



# PRODUCT INFORMATION GUIDE

# 2024

EUROPEAN EDITION



YAMAHA  
OUTBOARD MOTORS

# Introduction

This Product Information Guide is issued to provide sales persons of Yamaha distributors and dealers with the latest and correct information about Yamaha's outboards. This booklet lists full information about all models to be released.

Read this guide thoroughly to study fundamental knowledge about those Yamaha's outboards and their selling points.

Whenever and wherever your customers have specific questions about their interested products, refer to this source readily to provide them with the most satisfactory answers with great confidence in the source.

In addition, this booklet will be renewed yearly.

As models and specifications vary depending on the country/region, please check the catalog and other sources for details.

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Line-up

Features

4-stroke

2-stroke

Rigging

**YAMAHA**  
**OUTBOARD MOTORS**

***Line-up***

Line-up

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Carburetor model

F2.5B



► P44

1-cyl., 72 cm<sup>3</sup>

F4B/F5A/F6C



► P48

1-cyl., 139 cm<sup>3</sup>

F6D



► P52

L2, 212 cm<sup>3</sup>

Carburetor model

FT9.9L



► P60

L2, 212 cm<sup>3</sup>

F15C/F20B



► P64

L2, 362 cm<sup>3</sup>

Carburetor model

F8F



► P56

L2, 212 cm<sup>3</sup>

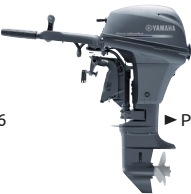
FT8G



► P56

L2, 212 cm<sup>3</sup>

F9.9J



► P60

L2, 212 cm<sup>3</sup>

Fuel Injection model

F20G



L2, 432 cm<sup>3</sup>

F25G



L2, 432 cm<sup>3</sup>

F30B/F40F



L3, 747 cm<sup>3</sup>

F50H/F60F



L4, 996 cm<sup>3</sup>

FT50J/FT60G



L4, 996 cm<sup>3</sup>

F70A



L4, 996 cm<sup>3</sup>

F80D/F100F



L4, 1832 cm<sup>3</sup>

F115B/FL115B



L4, 1832 cm<sup>3</sup>

F130A



L4, 1832 cm<sup>3</sup>

Fuel Injection model

F150D/FL150D



L4, 2670 cm<sup>3</sup>

F150L



L4, 2670 cm<sup>3</sup>

F175A  
F200F/FL200F



L4, 2785 cm<sup>3</sup>

F200Q



L4, 2785 cm<sup>3</sup>

F200C/FL200C  
F225B/FL225B



V6, 3352 cm<sup>3</sup>

DEC (Digital Electronic Control) model

F150G/FL150G  
F175C/FL175C  
F200G/FL200G



► P124

L4, 2785 cm<sup>3</sup>

F150J/FL150J  
F200P/FL200P



► P128

L4, 2785 cm<sup>3</sup>

F225F/FL225F  
F250D/FL250D  
F300B/FL300B



► P132

V6, 4169 cm<sup>3</sup>

F225J/FL225J  
F250P/FL250P  
F300G/FL300G



► P136

V6, 4169 cm<sup>3</sup>

DES (Digital Electric Steering) model

F150H/FL150H  
F200N/FL200N



► P140

L4, 2785 cm<sup>3</sup>

F250N/FL250N  
F300F/FL300F



► P144

V6, 4169 cm<sup>3</sup>

F350B/FL350B



► P148

V6, 4256 cm<sup>3</sup>

F400A/FL400A  
F450A/FL450A



► P152

V8, 5559 cm<sup>3</sup>

**VMAX SHO model**

**F90D**



► P156

L4, 1832 cm<sup>3</sup>

**F90F**



► P160

L4, 1832 cm<sup>3</sup>

**F115C**



► P164

L4, 1832 cm<sup>3</sup>

**F115D**



► P168

L4, 1832 cm<sup>3</sup>

**F150C**



► P172

L4, 2785 cm<sup>3</sup>

**F150N**



► P176

L4, 2785 cm<sup>3</sup>

**VMAX SHO model**

**F175B**



► P180

L4, 2785 cm<sup>3</sup>

**F175H**



► P184

L4, 2785 cm<sup>3</sup>

**Commercial model**

**F150F**



► P188

L4, 2670 cm<sup>3</sup>

**F300D/FL300D**



► P192

V6, 4169 cm<sup>3</sup>

Carburetor model

| 9.9F/15F                                                                                 | 40X                                                                                       | 85A                                                                                       |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <br>P282 | <br>P286 | <br>P290 |
| L2, 246 cm³                                                                              | L2, 703 cm³                                                                               | L3, 1140 cm³                                                                              |

# Model variation

| FT<br>Category                                                                                                             | 60<br>Indicated<br>Output | G<br>Product<br>Generation | EHD<br>Functions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Color Code                                                                           | X<br>Transom<br>Height                                                       |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| E: Enduro<br>F: 4-Stroke<br>K: Kerosene<br>L: Counter<br>rotation<br>T: High thrust<br>No Marking:<br>Standard<br>2-stroke | 2-450                     | A and up                   | <b>Starting</b><br>M: Manual starter<br>E: Electric starter<br>W: Manual & electric<br>starter<br><b>Control</b><br>H: Tiller handle<br>C: Tiller handle &<br>remote control<br>S: Built-in DES (SBW) and<br>electric start<br>V: Built-in DES (SBW) and<br>electric start and power<br>generation improvement<br>or other additional<br>functions<br>No Marking:<br>Remote control<br>(Without tiller handle)<br><b>Tilt system</b><br>D: Hydro tilt<br>P: Power tilt<br>T: Power trim and tilt<br>No Marking: Manual tilt<br><b>Lubrication system</b><br>O: Oil Injection<br>No Marking:<br>Pre-mixed petrol | 1: Black<br>2: Pearl White<br>3: Matte Brown<br>4: Warm White<br>No Marking:<br>Gray | S: (15in)<br>L: (20in)<br>Y: (22.5in)<br>X: (25in)<br>U: (30in)<br>E: (35in) |

|      | Starting            |                   | Control          |                   |           | Tilt system |                  |            |                      | Lubrication |                  |
|------|---------------------|-------------------|------------------|-------------------|-----------|-------------|------------------|------------|----------------------|-------------|------------------|
|      | Hand<br>starter     | Electric<br>motor | Tiller<br>handle | Remote<br>control | DES (SBW) | Mechanical  | Hydro-<br>assist | Power tilt | Power trim<br>& tilt | Premix      | OIL<br>injection |
| Type | 4-stroke & 2-stroke |                   |                  |                   |           |             |                  |            |                      | 2-stroke    |                  |
| E    |                     | ●                 |                  | ●                 |           | ●           |                  |            |                      | ■           |                  |
| ED   |                     | ●                 |                  | ●                 |           |             | ●                |            |                      | ■           |                  |
| EO   |                     | ●                 |                  | ●                 |           | ●           |                  |            |                      |             | ■                |
| EH   |                     | ●                 | ●                |                   |           | ●           |                  |            |                      |             |                  |
| EP   |                     | ●                 |                  | ●                 |           |             |                  | ●          |                      |             |                  |
| ET   |                     | ●                 |                  | ●                 |           |             |                  |            | ●                    | ■           |                  |
| ETO  |                     | ●                 |                  | ●                 |           |             |                  |            | ●                    |             | ■                |
| EHD  |                     | ●                 | ●                |                   |           |             | ●                |            |                      | ■           |                  |
| EHP  |                     | ●                 | ●                |                   |           |             |                  | ●          |                      |             |                  |
| EHT  |                     | ●                 | ●                |                   |           |             |                  |            | ●                    |             |                  |
| MH   | ●                   |                   | ●                |                   |           | ●           |                  |            |                      | ■           |                  |
| MHO  | ●                   |                   | ●                |                   |           | ●           |                  |            |                      |             | ■                |
| MHD  | ●                   |                   | ●                |                   |           |             | ●                |            |                      | ■           |                  |
| W    | ●                   | ●                 |                  | ●                 |           | ●           |                  |            |                      | ■           |                  |
| WC   | ●                   | ●                 | (●)              | ●                 |           | ●           |                  |            |                      | ■           |                  |
| WD   | ●                   | ●                 |                  | ●                 |           |             | ●                |            |                      | ■           |                  |
| WH   | ●                   | ●                 | ●                |                   |           | ●           |                  |            |                      | ■           |                  |
| WP   | ●                   | ●                 |                  | ●                 |           |             |                  | ●          |                      |             |                  |
| WHD  | ●                   | ●                 | ●                |                   |           |             | ●                |            |                      | ■           |                  |
| WHTO | ●                   | ●                 | ●                |                   |           |             |                  |            | ●                    |             | ■                |
| WT   | ●                   | ●                 |                  | ●                 |           |             |                  |            | ●                    | ■           |                  |
| WHP  | ●                   | ●                 | ●                |                   |           |             |                  | ●          |                      |             |                  |
| WHT  | ●                   | ●                 | ●                |                   |           |             |                  |            | ●                    |             |                  |
| ST   |                     | ●                 |                  |                   | ●         |             |                  |            | ●                    |             |                  |
| VT   |                     | ●                 |                  |                   | ●         |             |                  |            | ●                    |             |                  |

# Model variation

| LF<br>Category                                                                                                | 350<br>Output | X<br>Transom<br>Height                                                                                             | Starting &<br>tilt system                                                                                                                                                                        | C<br>Control                                                                                                                           | B<br>Generation                                                                     | Color Code                                                               |
|---------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| F: 4-Stroke<br>L: Counter<br>rotation<br>T: High thrust<br>V: V MAX<br>series<br>X: XTO<br>offshore<br>series | 2.5 - 450     | S: (15in)<br>L: (20in)<br>Y: (22.5in)<br>X: (25in)<br>U: (30in)<br>E: (35in)<br>J: Jet<br>N: Without<br>lower unit | Blank:<br>PTT &<br>electric<br>start<br>P: Power tilt<br>& electric<br>start<br>T: Power<br>trim and<br>tilt<br>E: Electric<br>start<br>M: Manual<br>start<br>W: Manual<br>& electric<br>starter | Blank: Remote<br>control<br>H: Tiller handle<br>C: Command<br>link =<br>DEC (DBW)<br>S: Built-in<br>DES (SBW)<br>and electric<br>start | A: 1 <sup>st</sup> change<br>B: 2 <sup>nd</sup> change<br>C: 3 <sup>rd</sup> change | 2: Pearl White<br>3: Matte Brown<br>4: Warm White<br>No Marking:<br>Gray |

| Transom                    | Variation | Starting     |                | Tilt system |            |                   | Control       |                |           | Generation  |
|----------------------------|-----------|--------------|----------------|-------------|------------|-------------------|---------------|----------------|-----------|-------------|
|                            |           | Hand starter | Electric motor | Mechanical  | Power tilt | Power trim & tilt | Tiller handle | Remote control | DES (SBW) |             |
| S<br>L<br>X<br>U<br>J<br>E | Blank     |              | ●              |             |            | ●                 |               | ●              |           | A<br>B<br>C |
|                            | C         |              | ●              |             |            | ●                 |               | ●              |           |             |
|                            | E         |              | ●              |             |            | ●                 |               | ●              |           |             |
|                            | H         |              | ●              |             |            | ●                 | ●             |                |           |             |
|                            | P         |              | ●              |             | ●          |                   |               | ●              |           |             |
|                            | W         | ●            | ●              | ●           |            |                   |               | ●              |           |             |
|                            | EH        | ●            | ●              | ●           |            |                   |               |                |           |             |
|                            | MH        | ●            |                | ●           |            |                   | ●             |                |           |             |
|                            | PH        |              | ●              |             | ●          |                   | ●             |                |           |             |
|                            | WH        | ●            | ●              | ●           |            |                   | ●             |                |           |             |
|                            | WT        | ●            | ●              |             |            | ●                 |               | ●              |           |             |
|                            | S         |              | ●              |             |            | ●                 |               |                | ●         |             |

# YAMAHA OUTBOARD MOTORS

# Features and Benefits

Features

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# Features and Benefits

A

## Anodic coated components



Hard anodizing provides highly corrosion resistance and guards exhaust gas passage from high temperature corrosion.

B

## Balanced carrying handle



The handle is located near the motor's center of gravity so the weight is well balanced for easy carrying and mounting.

## Battery isolator



One battery starts the engine, the other supplies power to instruments and accessories, so there is always ample starting power.

## Blow-by gas reburning system (4-stroke)



Removes any oil in the blow-by gases and returns only the fuel to the combustion chamber through the intake system, keeping the exhaust gases clean.

## Built-in fuel tank



A fuel tank is provided inside the cowl, eliminating the need for a separate tank and saving space inside the craft.

C

## Closed fuel vapor system



In order to prevent atmospheric pollution, Yamaha's closed fuel vapor confinement system clearly burns the fuel vapor generated during the engine stopping.

## Counter-rotation system



Combines two outboards with opposite rotations, maintaining a neutral helm and reducing steering torque. (Two clockwise-rotating propellers turn the boat to starboard.)

D

## Decompression easy start (4-stroke)



Provides for easier starting with less pulling force.

## Digital electronic throttle and shift control



The electronic throttle and shift control system ensures smooth throttle operation with good response, and provides sure, highly reliable shifting.

## Digital electronic throttle control



The electronic throttle system enable smooth and reliable throttle operations.

D

### Digital network system



The digital network system controls engine speed, shift control, start/stop and security system. Also transfer the engine data to the instruments, concentrated by simple data cable.

### Direct Ignition (4-stroke)



The plug cap has a built-in ignition coil which reduces wiring and is much simpler and compact in design.

### DOHC direct action (4-stroke)



Has 1 cam for the intake valves and 1 cam for the exhaust valves for more precise valve timing control for increasing engine performance. Also the rocker arms and adjustments are eliminated for increased reliability and less maintenance.

### Dual thrust propeller



The large diameter prop with unique exhaust passage emits exhaust gas in the opposite direction to prevent prop slip in reverse gear, and delivers high thrust in both forward and reverse, for the heavy boats.

### Dual water inlet



Dual, forward- and sidemounted water inlets operate independently (as pairs) to help keep the engine cool in a variety of applications and conditions.

E

### ECM: Engine control module



Yamaha's microcomputer control system constantly monitors engine conditions, adjusting ignition timing and fuel-air mixture to provide optimum combustion for sure start, maximum performance, excellent fuel efficiency, and clean exhaust. It also prevents overheat and over-rev and control the safety system such as low-oil-pressure and low-oil-level.

### Electro-deposition paint process



An electro-deposition paint process makes fine paint film onto the aluminium surface and guards the components from corrosion.

### Energy advisor mark



The throttle is marked to show the most fuel-efficient operating position.

### Engine stop switch lanyard



This lanyard clips to clothing or around the wrist, stopping the engine immediately if the operator leaves the helm.

### Exhaust pressure reduction system



Reduces exhaust pressure to increase exhaust efficiency for enhancing output power and cools rubber damper on propeller for reliability.

E

### Extremely durable crankshaft



The crankshaft is made of a specially hardened material for longer engine life, and the engine is well balanced for lower vibration.

F

### Fail-safe system



Keeps engine running if any of the sensors failed.

### Flywheel damper



A built-in rubber damper to reduce any engine vibration for a smooth, pleasant boating experience.

### F-N-R gear shift



The smooth forward-neutral-reverse gear shift is easy to operate, providing excellent maneuverability.

### Forged piston (4-stroke)



Exhibits higher tensile strength against fatigue, and high temperatures. It is lightweight, and has excellent anti-wear and anti-seizing quality.

### Freshwater flushing device



The engine does not need to be running to effectively flush the unit. By regularly flushing the engine, long term corrosion durability is assured.

### Front shift



The shift lever is located on the front of the engine for easy accessibility and comfortable operation.

G

### Gas assist hydro-tilt with shallow water drive



An oil-filled cylinder provides extra power to make tilting up the motor much easier. A trim adjustment valve enables finer position setting for shallow water drive.

H

### Hard anodized muffler/lower casing



Hard anodizing provides highly corrosion resistance and guards exhaust gas passage from high temperature corrosion.

### Hard-chrome-plated water pump



Plating the inside of the water pump with hard-chrome helps to prevent wear in muddy water and maintain high performance.

### High output alternator



The high-output alternator contained in the engine can be used as a source of electricity to operate engine and electric accessories.

H

### High-precision intake and exhaust tuning



Extremely modified intake and exhaust passage increases combustion efficiency for maximum performance and better economy.

### Hydrodynamic designed lower unit



The lower unit has a precision designed, streamlined shape to ensure highest speed and reduce fuel consumption.

I

### In-bank exhaust (4-stroke)



The intake tracks enter the engine heads from the outward side, between the cylinder bank like two-stroke V6 engine. The system is Yamaha's exclusive technology that enhances performance while slashing down the weight and the size.

K

### Knocking control



The knock sensor provides reliability against knocking in addition to combustion efficiency, good engine performance, excellent fuel consumption and quick start-up.

L

### Labyrinth exhaust system



Minimizes the noise at low rpm range that gradually expands the exhaust through the labyrinth in uppercase.

### Large capacity water pump



The large, high-efficiency water pump prevents engine overheating by ensuring more than enough cooling water in any condition.

### Large capacity water separator



Separates and eliminates all water and impurities from the fuel. This pure fuel supply helps to extend engine life.

### Large, durable bearings



Yamaha uses extremely large, durable bearings to further extend engine life.

### Location exchangeable PTT switch



The external PTT switch can be moved to either side of the bottom cowling for easy access on twin engine applications.

### Long intake system (4-stroke)



Increases the air velocity into the engine for added torque and performance.

L

### Long-life piston/piston ring



The high-rigidity piston is made of a material that ensures optimum thermal flow. The piston ring has minimal friction resistance and good heat conductivity.

### Long-span mounting system



The large rubber mounts and the long vertical length between the upper and lower mounts serve to reduce vibration.

### Low oil pressure warning (4-stroke)



When oil pressure falls below fixed pressure in four-stroke, engine speed reduces and light and/or buzzer alert the operator.

M

### Magnetic drain plug



The oil plug is magnetized to collect any iron particles in the oil, keeping them from circulating and causing damage to the gears.

### Maintenance-free CDI



The unitized capacitor discharged ignition system provides a strong spark and precise timing, preventing plug fouling, improving starts and reducing maintenance.

### Manual (recoil) starter



The engine can be easily started by lightly pulling the starter knob in front of the top cowling.

### Microcomputer control



Provides sure starts, and optimum combustion for high performance and fuel efficiency, and manages the engine warning system.

### Multi-point electronic fuel injection



Multi-Point Precision Electronic Fuel Injection is controlled by the Engine Control Module, which continually adjusts the fuel/air mix to match engine load and speed.

### Multi-function digital speedometer



Refined and compact design. This is an easy-to-see and easy-to-use multi-function digital meter having the functions of a fuel meter, trim meter, clock and volt meter as well as that of a speedometer.

### Multi-function digital tachometer



Refined and compact design. This is an easy-to-see and easy-to-use multi-function digital meter having the functions of a trim meter, oil level warning indicator and over-heat warning indicator as well as that of a tachometer.

M

## Multi-function tiller handle



The shift lever, throttle friction function, neutral throttle limiter, and engine stop switch lanyard are all conveniently located on the tiller handle.

## Multi-Layer Paint Process



Multi-layer painting process has been adopted. Oxidized Zr (zirconium) undercoating, and an environmentally-friendly chrome-free primer is applied as coating. This paint coating has superior performance against saltwater corrosion, and avoids deterioration due to strong sunlight and ultraviolet rays.

O

## Offset cylinder



Allows added power with a more compact design and provides even firing order for a smoother and quieter running engine.

## Oil injection (2-stroke)



Eliminates the need to pre-mix gas and oil by injecting the precise amount of oil directly into the intake manifold. This also ensures quick response to the engine's oil demands and minimizes oil consumption.

## Oil seal protector



This protector prevents the oil seal from becoming damaged by leakage of oil if a fishing line wraps around the propeller.

## One touch start/stop



The one-button control start/ stop switch panel literally allows multiple engines to be started or stopped with the press of a single button.

## Overheat warning



If the water inlet is blocked, this system prevents overheating by reducing engine speed and warning the operator by a light and/or buzzer.

## Over-rev limiter



Acts automatically to stop over-revving caused by cavitation and so on, to prevent the engine from becoming damaged.

P

## Pilot water hole



Zero or low flow from the pilot water hole warns the operator to turn off the engine and check the water inlet for blocking.

## Plasma-fused sleeveless cylinder



Plasma-fused sleeveless cylinders allowed us to enlarge cylinder bores without increasing cylinder dimensions.

P

### Power trim and tilt



A switch-controlled power tilt system allows effortless trim adjustment and up/down tilting for faster planing and shallow water drive.

### Prime start



Yamaha's choke-less operation is automatic and provides sure and quick starting in all climates.

### Pulse tuning (2-stroke)



By combining superior exhaust manifold design with an ideal crankshaft arrangement, none of the fuel mixture is lost out the exhaust port, for maximum mid-range performance and best fuel economy.

S

### Self-sacrificing anodes/multi-anodes



Yamaha uses strategically placed aluminum and zinc anodes for maximum corrosion protection. These anodes are even larger than necessary, ensuring total effectiveness.

### Shallow water drive



The outboard can be set at a tilt angle, preventing it from hitting the bottom when operating in shallow water.

### Shift dampener system (SDS) propeller



Yamaha's exclusive new smooth shift damper system greatly reduces noise commonly associated with shifting gears.

### Single action steering friction



Adjusts steering tension at the touch of a fingertip.

### Single belt drive system (4-stroke)



Uses fewer moving parts and is simple in design for long term durability.

### Single ram PTT



Power trim and tilt cylinders are combined into a single unit for compactness, high performance, good response and smooth, quiet operation.

### Single throttle body (4-stroke)



A simple and lightweight design for greater reliability and quick and easy adjustment if ever needed.

### Special aluminum alloy: YDC-30



Developed for major exterior parts of the motors after years of research and testing, YDC-30 offers truly superior anti-corrosion properties.

S

### Speedometer pitot tube



The lower unit is equipped with a pickup sensor, so speedometer operation does not require a separate pickup.

### Spiny outer cylinder sleeve



Keeps roundness of the cylinder for higher cooling efficiency and reduced oil consumption.

### Splined propeller shaft



Increases propeller strength to prevent damage if propeller strikes an object and eliminates the need for shear pin replacement.

### Stainless steel propeller



A durable, anti-corrosive propeller built for superior performance, excellent anti-cavitation and long life.

### Start in-gear prevention



The engine will not start while it is in gear, preventing sudden movement and engine damage.

### Steering friction adjustment



Steering friction can be adjusted to be heavier at lower speeds and lighter at higher speeds, for more steering.

### Sturdy gears and gear case



The gears and the gear case, built tough and durable, can withstand collisions with rocks and other objects.

T

### Thermostatic cooling control



Maintains optimal engine temperature at all times and lengthens engine life by lessening the thermal load.

### Throttle control in neutral



Limits throttle movement in neutral to prevent over-revving that could cause engine damage.

### Throttle friction



Throttle friction can be fine-tuned with an adjusting knob, and can be locked in place.

### Through-hub exhaust propulsion



Exhaust gas is expelled through the propeller, maximizing exhaust efficiency and providing higher power and better fuel mileage.

T

### Trailer tilt switch



Makes it convenient to tilt the motor from outside the craft, useful for trailering.

### Twin balance shaft (4-stroke)



Counteract vibration associated with the twin balance shaft engaged with the crankshaft minimizes engine vibration.

V

### Variable camshaft timing (4-stroke)



The actuator rotates to advance and retard intake camshaft timing to increase low and mid-range torque.

### Variable trolling switch



Allows the adjustment of preferred trolling speed in between approx. 600-1000 r/min at 50 r/min steps.

W

### Water draining air intake system



Catch the water got into the air intake of the top cowling and drain out through the pipe for keeping the engine dry for added reliability.

### Water sealed outer wall



Reduces exhaust noise and enhances cooling which protects the exhaust system against corrosion.

### Water tight cowling



Top and bottom cowling are fully sealed to prevent water from entering, protecting the engine and suppressing engine noise for more comfortable cruising.

### Waterproof air duct



Ensures that only air is taken in through the cowling, preventing engine trouble due to water and minimizing engine noise.

### Wide range PTT



Allows trim all the way to -4° Negative trim increases acceleration and reduces planing time. Power tilt means effortless trim adjustment and tilt-up.

### Y

#### Yamaha security system



This computerized security system is incorporated in the digital network system and disable/enable the ignition system with the paired wireless key.

#### YDIS: Yamaha diagnostic system



A personal computer is connected the ECM for easier diagnostic and accurate engine serviceability. Diagnose engine trouble easily and accurately to improve serviceability.

### Numbers

#### 16-Valve DOHC in line 4 (4-stroke)



1 cam for the intake valves and 1 cam for the exhaust valves provide more precise valve timing control. The cylinder head features two valves for intake and exhaust each one for more power.

#### 360° Steering



Full circle steering means exceptional maneuverability and reverse without the need to shift gears.

## YAMAHA OUTBOARD MOTORS

# 4-stroke Models

4-stroke

PRODUCT INFORMATION GUIDE  
2024

# 4-stroke Model Line-up

## Carburetor model

|        |       |                |                    |
|--------|-------|----------------|--------------------|
| 2.5-20 | ***   | 1-cyl. 72 cm³  |                    |
|        | F2.5B |                |                    |
|        | ***   |                |                    |
|        | F4B   | 1-cyl. 139 cm³ |                    |
|        | F5A   |                |                    |
|        | F6C   |                |                    |
|        | ***   | L2 212 cm³     | *** *EU L2 212 cm³ |
|        | F6D   |                | FT8G               |
|        | F8F   |                | FT9.9L             |
|        | F9.9J |                |                    |
| PS     | *EU   |                |                    |
|        | F9.9H | L2 362 cm³     |                    |
|        | ***   |                |                    |
|        | F15C  | L2 362 cm³     |                    |
|        | F20B  |                |                    |

## Fuel Injection model

|       |      |            |
|-------|------|------------|
| 20-25 | ***  | L2 432 cm³ |
|       | F20G |            |
|       | F25G |            |

### Exhaust Emission

★★ : EPA2010/CARB2008 2-star (US/Canada models)  
★★★: EPA2010/CARB2008 3-star (US/Canada models)

## Fuel Injection model

|         |       |                    |                  |
|---------|-------|--------------------|------------------|
| 30-130  | ***   |                    |                  |
|         | F30B  | L3 747 cm³         |                  |
|         | F40F  |                    |                  |
|         | *EU   |                    |                  |
|         | F40H  | L4 996 cm³         |                  |
|         | ***   |                    | ***              |
|         | F50H  | L4 996 cm³         | FT50J L4 996 cm³ |
|         | F60F  |                    | FT60G            |
|         | *EU   |                    |                  |
|         | F40G  | L4 996 cm³         |                  |
| 150-300 | ***   | L4 996 cm³         |                  |
|         | F70A  |                    |                  |
|         | ***   |                    |                  |
|         | F80D  | L4 1832 cm³        |                  |
|         | F100F |                    |                  |
|         | ***   |                    |                  |
|         | F115B | FL115B L4 1832 cm³ |                  |
|         | ***   |                    |                  |
|         | F130A | L4 1832 cm³        |                  |
|         | ***   |                    |                  |
| PS      | F150D | FL150D L4 2670 cm³ |                  |
|         | ***   |                    |                  |
|         | F175A |                    | L4 2785 cm³      |
|         | F200F | FL200F             |                  |
|         | ***   |                    |                  |
|         | F150L | L4 2670 cm³        |                  |
|         | ***   |                    |                  |
|         | F200Q | L4 2785 cm³        |                  |
|         | ***   |                    |                  |
|         | F200C | FL200C V6 3352 cm³ |                  |
|         | F225B | FL225B             |                  |

### DEC (Digital Electronic Control) model

|         |       |        |                         |
|---------|-------|--------|-------------------------|
| 150-300 | ***   |        | L4 2785 cm <sup>3</sup> |
|         | F150G | FL150G |                         |
|         | F175C | FL175C |                         |
|         | F200G | FL200G |                         |
|         | ***   |        | L4 2785 cm <sup>3</sup> |
|         | F150J | FL150J |                         |
|         | F200P | FL200P |                         |
|         | ***   |        | V6 4169 cm <sup>3</sup> |
|         | F225F | FL225F |                         |
|         | F250D | FL250D |                         |
|         | F300B | FL300B |                         |
|         | ***   |        | V6 4169 cm <sup>3</sup> |
|         | F225J | FL225J |                         |
|         | F250P | FL250P |                         |
|         | F300G | FL300G |                         |
| PS      |       |        |                         |

### DES (Digital Electric Steering) model

|         |       |        |                         |
|---------|-------|--------|-------------------------|
| 150-450 | ***   |        | L4 2785 cm <sup>3</sup> |
|         | F150H | FL150H |                         |
|         | F200N | FL200N |                         |
|         | ***   |        | V6 4169 cm <sup>3</sup> |
|         | F250N | FL250N |                         |
|         | F300F | FL300F |                         |
|         | ***   |        | V6 4256 cm <sup>3</sup> |
|         | F350B | FL350B |                         |
|         | ***   |        | V8 5559 cm <sup>3</sup> |
|         | F400A | FL400A |                         |
|         | F450A | FL450A |                         |
| PS      |       |        |                         |

### VMAX SHO model

|         |       |             |       |             |
|---------|-------|-------------|-------|-------------|
| 90-115  | ***   | L4 1832 cm³ | ***   | L4 1832 cm³ |
|         | F90D  |             | F90F  |             |
|         | ***   | L4 1832 cm³ | ***   | L4 1832 cm³ |
|         | F115C |             | F115D |             |
| 150-250 | ***   | L4 2785 cm³ | ***   | L4 2785 cm³ |
|         | F150C |             | F150N |             |
|         | ***   | L4 2785 cm³ | ***   | L4 2785 cm³ |
|         | F175B |             | F175H |             |
| PS      |       |             |       |             |

### Commercial model

|         |       |        |             |
|---------|-------|--------|-------------|
| 150-300 | ***   |        | L4 2670 cm³ |
|         | F150F | FL150F |             |
|         |       |        | V6 4169 cm³ |
|         | F300D | FL300D |             |
|         |       |        |             |
|         |       |        |             |
|         |       |        |             |
|         |       |        |             |
|         |       |        |             |
|         |       |        |             |
| PS      |       |        |             |

#### Exhaust Emission

★★ : EPA2010/CARB2008 2-star (US/Canada models)

★★★: EPA2010/CARB2008 3-star (US/Canada models)

# Common Specifications

## 1) Emission rating

US/Canada models: EPA2010/CARB2008 3-star, 2-star  
EU models: RCD

## 2) Recommended fuel

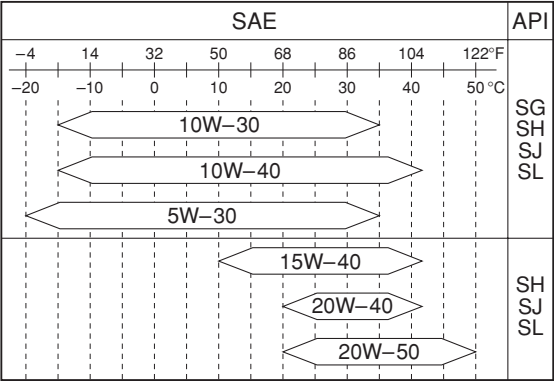
### • Gasoline: Unleaded regular

F2.5B, F4B, F5A, F6C, F6D, F8F, FT8G, F9.9J, FT9.9L,  
F9.9H, F15C, F20B, F20G, F25G, F30B, F40H, F40F, F50H,  
FT50J, F60F, FT60G, F70A, F80D, F90D, F90F, F100F,  
F115B / FL115B, F115C, F115D, F130A, F150D / FL150D,  
F150F / FL150F, F150G / FL150G, F150H / FL150H, F150J /  
FL150J, F150L, F175A, F175C / FL175C, F200C / FL200C,  
F225B / FL225B, F225F / FL225F, F250D / FL250D, F225J /  
FL225J, F250P / FL250P, F250N / FL250N, F300D / FL300D

### • Gasoline: Unleaded premium

F150C, F150N, F175B, F175H, F200F / FL200F,  
F200G / FL200G, F200N / FL200N, F200P / FL200P, F200Q,  
F300B / FL300B, F300G / FL300G,  
F300F / FL300F, F350B / FL350B, F400A / FL400A, F450A /  
FL450A

## 3) Recommended engine oil



# Carburetor model



F2.5B

## MODEL CODE (Approved code)

F2.5B 6EG (6EG)

## MODELS AVAILABLE

F2.5B MH

## Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 625 mm (24.6 in)                           |
| Overall width         | 363 mm (14.3 in)                           |
| Overall height        | S: 1028 mm (40.5 in), L: 1155 mm (45.5 in) |
| Engine transom height | S: 433 mm (17.0 in), L: 560 mm (22.0 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 360 deg. full pivot                        |
| Dry weight            | 17, 18 kg                                  |

## Performance

## F2.5B

|                               |                        |
|-------------------------------|------------------------|
| Max. prop shaft output        | 1.8 kW (2.5 ps)        |
| Full throttle operating range | 5250 – 5750 r/min      |
| Idling speed                  | 1800 – 2000 r/min      |
| Fuel consumption              | (*1.2 L/h @5500 r/min) |
| *: reference data             |                        |

## Engine

|                       |                                        |
|-----------------------|----------------------------------------|
| Engine type           | OHV, 1-cylinder                        |
| Displacement          | 72 cm <sup>3</sup>                     |
| Bore × stroke         | 54.0 × 31.5 mm                         |
| Compression ratio     | 8.8 :1                                 |
| Fuel induction system | 1 carburetor                           |
| Lubrication system    | Splash lubrication                     |
| Engine oil capacity   | 0.25 L                                 |
| Ignition system       | TCI                                    |
| Ignition timing       | BTDC 25.0 deg. (fixed)                 |
| Spark plug            | CR6HSB                                 |
| Alternator            | — (not available)                      |
| Cooling system        | Raw-water, thermostatically controlled |
| Exhaust system        | Under water                            |

## Bracket / Drive

|                     |                   |
|---------------------|-------------------|
| Trim                | 4 positions       |
| Shallow water drive | — (not available) |
| Gear shift          | F-N               |
| Gear ratio          | 2.08 (27/13)      |
| Gear oil capacity   | 0.075 L           |
| Propeller fitting   | Spline            |
| Propeller rotation  | Clockwise         |
| Shaft length        | S, L              |

Model Category

All in one package

| Feature Table        |                                    | F2.5B |
|----------------------|------------------------------------|-------|
| Environment          | Blow-by gas burning system         | •     |
| Security             | Lubrication checking window        | •     |
| Corrosion prevention | Stainless steel water pump housing | •     |
| Power unit           | Carburetor                         | •     |
|                      | Recommended Fuel (RON)             | 90    |
|                      | Recommended Fuel (PON)             | 86    |
| Convenience          | Auto decompression                 | •     |
|                      | Carrying handle                    | •     |
|                      | Built-in fuel tank                 | •     |
|                      | Oil leak prevention system         | •     |
|                      | 360 deg. full pivot steering       | •     |
|                      | Tilt lock lever                    | •     |

Optional Accessory

F2.5B

—

Rigging Accessory

F2.5B

|           |           |    |
|-----------|-----------|----|
| Propeller | BS Series | BS |
|-----------|-----------|----|

Consumes

F2.5B

|                   |     |   |
|-------------------|-----|---|
| Yamalube gear oil | GL4 | • |
|-------------------|-----|---|

— : N/A (Not available)

# Carburetor model



F6CMHS

**F4B**  
**F5A**  
**F6C**

## MODEL CODE (Approved code)

F4B 6EC (6EC)

F5A 6ED (6ED)

F6C 6EE (6EE)

## MODELS AVAILABLE

F4B MH

F5A MH

F6C MH

## Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 750 mm (29.5 in)                           |
| Overall width         | 403 mm (15.9 in)                           |
| Overall height        | S: 1039 mm (40.9 in), L: 1166 mm (45.9 in) |
| Engine transom height | S: 435 mm (17.2 in), L: 562 mm (22.2 in)   |
| Minimum distance      | –                                          |
| Steering angle        | 90 deg. each direction                     |
| <b>Dry weight</b>     | 27, 28 kg                                  |

| Performance                   | F4B               | F5A               | F6C           |
|-------------------------------|-------------------|-------------------|---------------|
| Max. prop shaft output        | 2.9 kW (4 ps)     | 3.7 kW (5 ps)     | 4.4 kW (6 ps) |
| Full throttle operating range | 4000 – 5000 r/min | 4500 – 5500 r/min |               |
| Idling speed                  | 1450 – 1550 r/min |                   |               |
| Fuel consumption              | *1.7 L/h          | *2.0 L/h          | *2.2 L/h      |
| *: reference data             | @4500 r/min       | @5000 r/min       | @5500 r/min   |

## Engine

|                       |                                        |                             |                             |
|-----------------------|----------------------------------------|-----------------------------|-----------------------------|
| Engine type           | OHV, 1-cylinder                        |                             |                             |
| Displacement          | 139 cm <sup>3</sup>                    |                             |                             |
| Bore × stroke         | 62.0 × 46.0 mm                         |                             |                             |
| Compression ratio     | 8.9 :1                                 |                             |                             |
| Fuel induction system | 1 carburetor                           |                             |                             |
| Lubrication system    | Wet sump                               |                             |                             |
| Engine oil capacity   | 0.6 L                                  |                             |                             |
| Ignition system       | CDI                                    |                             |                             |
| Ignition timing       | BTDC 8.0<br>–BTDC 33.0 deg.            | BTDC 8.0<br>–BTDC 21.0 deg. | BTDC 8.0<br>–BTDC 32.0 deg. |
| Spark plug            | CR6HSB                                 |                             |                             |
| Alternator            | 6 A with Rectifier regulator *optional |                             |                             |
| Cooling system        | Raw-water, thermostatically controlled |                             |                             |
| Exhaust system        | Under water                            |                             |                             |

## Bracket / Drive

|                     |              |
|---------------------|--------------|
| Trim                | 5 positions  |
| Shallow water drive | 3 positions  |
| Gear shift          | F-N-R        |
| Gear ratio          | 2.08 (27/13) |
| Gear oil capacity   | 0.100 L      |
| Propeller fitting   | Spline       |
| Propeller rotation  | Clockwise    |
| Shaft length        | S, L         |

Model Category All in one package

| Feature Table        |                                    | F4B | F5A | F6C |
|----------------------|------------------------------------|-----|-----|-----|
| Environment          | Blow-by gas burning system         | ●   | ●   | ●   |
|                      | Start in gear protection           | ●   | ●   | ●   |
| Security             | Over rev. limiter                  | ●   | ●   | ●   |
|                      | Lubrication checking window        | ●   | ●   | ●   |
| Corrosion prevention | Stainless steel water pump housing | ●   | ●   | ●   |
|                      | Carburetor                         | ●   | ●   | ●   |
| Power unit           | Recommended Fuel (RON)             | 90  | 90  | 90  |
|                      | Recommended Fuel (PON)             | 86  | 86  | 86  |
| Convenience          | Auto decompression                 | ●   | ●   | ●   |
|                      | Carrying handle                    | ●   | ●   | ●   |
|                      | Built-in fuel tank                 | ●   | ●   | ●   |
|                      | 2-way fuel supply system           | ●   | ●   | ●   |
|                      | Auxiliary prime pump               | ●   | ●   | ●   |
|                      | Oil leak prevention system         | ●   | ●   | ●   |
|                      | 180 deg. large steering angle      | ●   | ●   | ●   |
|                      | Tilt lock lever                    | ●   | ●   | ●   |

| Optional Accessory |  | F4B | F5A | F6C |
|--------------------|--|-----|-----|-----|
| Lighting coil kit  |  | ●   | ●   | ●   |

| Rigging Accessory |           | F4B | F5A | F6C |
|-------------------|-----------|-----|-----|-----|
| Propeller         | BA Series | BA  | BA  | BA  |

| Consumes          |     | F4B | F5A | F6C |
|-------------------|-----|-----|-----|-----|
| Yamalube gear oil | GL4 | ●   | ●   | ●   |

— : N/A (Not available)



F6DMHL

## F6D

### MODEL CODE (Approved code)

|     |            |
|-----|------------|
| F6D | 6MC (6MCK) |
|-----|------------|

### MODELS AVAILABLE

|     |         |
|-----|---------|
| F6D | MH*, M* |
|-----|---------|

\* : EU (Except MHS)

### Dimension

|                       |                                             |
|-----------------------|---------------------------------------------|
| Overall length        | MH: 983 mm (38.7 in)<br>M: 557 mm (22.0 in) |
| Overall width         | MH: 373 mm (14.7 in)<br>M: 333 mm (13.1 in) |
| Overall height        | S: 1008 mm (39.7 in), L: 1135 mm (44.7 in)  |
| Engine transom height | S: 431 mm (17.0 in), L: 558 mm (22.0 in)    |
| Minimum distance      | —                                           |
| Steering angle        | 43 deg.                                     |
| Dry weight            | 38 – 41 kg                                  |

### Performance

|                               |                        |
|-------------------------------|------------------------|
| Max. prop shaft output        | 4.4 kW (6 ps)          |
| Full throttle operating range | 5000 – 6000 r/min      |
| Idling speed                  | 1000 – 1100 r/min      |
| Fuel consumption              | (*2.6 L/h @5500 r/min) |
| *: reference data             |                        |

### F6D

### Engine

|                       |                                        |
|-----------------------|----------------------------------------|
| Engine type           | SOHC, In-line 2                        |
| Displacement          | 212 cm <sup>3</sup>                    |
| Bore × stroke         | 56.0 × 43.0 mm                         |
| Compression ratio     | 9.4 :1                                 |
| Fuel induction system | 1 carburetor                           |
| Lubrication system    | Wet sump                               |
| Engine oil capacity   | 0.8 L                                  |
| Ignition system       | CDI                                    |
| Ignition timing       | BTDC 5.0 – BTDC 30.0 deg.              |
| Spark plug            | BR6HS-10                               |
| Alternator            | 6A                                     |
| Cooling system        | Raw-water, thermostatically controlled |
| Exhaust system        | Through propeller boss                 |

### Bracket / Drive

|                     |                     |
|---------------------|---------------------|
| Trim                | 4 positions         |
| Shallow water drive | Manual: 2 positions |
| Gear shift          | F-N-R               |
| Gear ratio          | 2.08 (27/13)        |
| Gear oil capacity   | 0.150 L             |
| Propeller fitting   | Spline              |
| Propeller rotation  | Clockwise           |
| Shaft length        | S, L                |

Model Category      General

| Feature Table        |                                    | F6D      |
|----------------------|------------------------------------|----------|
| Environment          | Blow-by gas burning system         | •        |
|                      | Start in gear protection           | • (MH)   |
| Security             | Over rev. limiter                  | •        |
|                      | Low oil press. warning             | •        |
|                      | Emergency ignition circuit         | •        |
| Corrosion prevention | Stainless steel water pump housing | •        |
|                      | Freshwater flushing device         | Optional |
|                      | Carburetor                         | •        |
| Power unit           | Recommended Fuel (RON)             | 90       |
|                      | Recommended Fuel (PON)             | 86       |
| Convenience          | Tilt lock lever                    | •        |

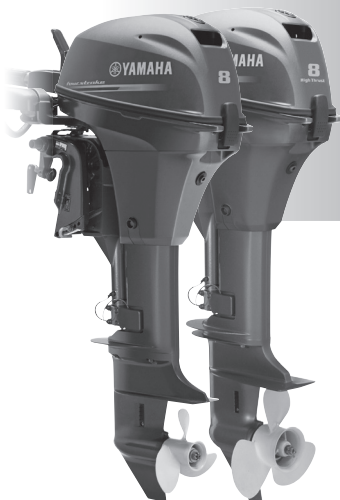
| Optional Accessory         |  | F6D |
|----------------------------|--|-----|
| Lighting coil kit          |  | •   |
| Electric starter kit       |  | •   |
| Rectifier-regulator        |  | •   |
| Steering friction          |  | •   |
| Freshwater flushing device |  | •   |

| Rigging Accessory |          | F6D |
|-------------------|----------|-----|
| Propeller         | N Series | N   |

| Consumes          |     | F6D |
|-------------------|-----|-----|
| Yamalube gear oil | GL4 | •   |

— : N/A (Not available)

# Carburetor model



## F8F FT8G

### MODEL CODE (Approved code)

F8F 6FW (6FWK)

FT8G 6FX (6FXK)

### MODELS AVAILABLE

F8F MH, E\*

FT8G MH\*, E\*, EP\*

\* : EU

F8FMHL

FT8GMHL

### Dimension

|                       |                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Overall length        | <b>F8F</b> MH: 983 mm (38.7 in), E: 557 mm (21.9 in)<br><b>FT8G</b> MH: 1043 mm (41.1 in), E, EP: 557 mm (21.9 in)                   |
| Overall width         | <b>F8F</b> MH: 373 mm (14.7 in), E: 333 mm (13.1 in)<br><b>FT8G</b> MH: 371 mm (14.6 in), E, EP: 333 mm (13.1 in)                    |
| Overall height        | <b>F8F</b> S: 1008 mm (39.7 in), L: 1135 mm (44.7 in)<br><b>FT8G</b> L: 1195 mm (47.0 in), X: 1263 mm (49.7 in)                      |
| Engine transom height | <b>F8F</b> S: 431 mm (17.0 in), L: 558 mm (22.0 in)<br><b>FT8G</b> L: 552 mm (21.7 in), X: 620 mm (24.4 in),<br>EP: 557 mm (22.0 in) |
| Minimum distance      | —                                                                                                                                    |
| Steering angle        | 43 deg. each direction (FT8GEP: 38 deg. each direction)                                                                              |

### Dry weight

**F8F** 40 – 43 kg

**FT8G** 43 – 49 kg

### Performance

|                               |                        |
|-------------------------------|------------------------|
| Max. prop shaft output        | 5.9 kW (8 ps)          |
| Full throttle operating range | 5000 – 6000 r/min      |
| Idling speed                  | 1000 – 1100 r/min      |
| Fuel consumption              | (*3.3 L/h @5500 r/min) |
| *. reference data             |                        |

### Engine

|                       |                                        |
|-----------------------|----------------------------------------|
| Engine type           | SOHC, In-line 2                        |
| Displacement          | 212 cm <sup>3</sup>                    |
| Bore × stroke         | 56.0 × 43.0 mm                         |
| Compression ratio     | 9.4 :1                                 |
| Fuel induction system | 1 carburetor                           |
| Lubrication system    | Wet sump                               |
| Engine oil capacity   | 0.8 L                                  |
| Ignition system       | CDI                                    |
| Ignition timing       | BTDC 5.0 – BTDC 30.0 deg.              |
| Spark plug            | BR6HS-10                               |
| Alternator            | 6 A with Rectifier regulator           |
| Cooling system        | Raw-water, thermostatically controlled |
| Exhaust system        | Through propeller boss                 |

### Bracket / Drive

|                     |                     |                               |
|---------------------|---------------------|-------------------------------|
| Trim                | 4 positions         |                               |
| Shallow water drive | Manual: 2 positions | FT8GEP: PT: variable position |
| Gear shift          | F-N-R               |                               |
| Gear ratio          | 2.08 (27/13)        | 2.92 (38/13)                  |
| Gear oil capacity   | 0.150 L             | 0.370 L                       |
| Propeller fitting   | Spline              |                               |
| Propeller rotation  | Clockwise           |                               |
| Shaft length        | S, L                | MH, E: L, X / EP:L            |

Model Category    General (FT8G: High thrust)

| Feature Table |                                    | F8F      | FT8G     |
|---------------|------------------------------------|----------|----------|
| Environment   | Blow-by gas burning system         | ●        | ●        |
|               | Start in gear protection           | ● (MH)   | ● (MH)   |
| Security      | Over rev. limiter                  | ●        | ●        |
|               | Low oil press. warning             | ●        | ●        |
|               | Emergency ignition circuit         | ●        | ●        |
| Corrosion     | Stainless steel water pump housing | ●        | ●        |
| prevention    | Freshwater flushing device         | Optional | Optional |
|               | Carburetor                         | ●        | ●        |
| Power unit    | Recommended Fuel (RON)             | 90       | 90       |
|               | Recommended Fuel (PON)             | 86       | 86       |
| Convenience   | Tilt lock lever                    | ●        | ●        |

| Optional Accessory         |  | F8F    | FT8G      |
|----------------------------|--|--------|-----------|
| Lighting coil kit          |  | ● (MH) | ● (MH)    |
| Electric starter kit       |  | ● (MH) | ● (MH)    |
| Rectifier-regulator        |  | ● (MH) | ● (MH)    |
| Steering guide attachment  |  | ● (E)  | ● (E, EP) |
| Steering friction          |  | ● (MH) | ● (MH)    |
| Freshwater flushing device |  | ●      | ●         |

| Rigging Accessory |                      | F8F   | FT8G      |
|-------------------|----------------------|-------|-----------|
| Gauge             | 6Y7                  | ● (E) | ● (E, EP) |
|                   | 703                  | ● (E) | ● (E, EP) |
| Propeller         | N Series             | N     | —         |
|                   | Dual Thrust N Series | N     | —         |
|                   | Dual Thrust R Series | —     | R         |

| Consumes              |  | F8F | FT8G |
|-----------------------|--|-----|------|
| Yamalube gear oil GL4 |  | ●   | ●    |

— : N/A (Not available)

# Carburetor model



## F9.9J FT9.9L

### MODEL CODE (Approved code)

F9.9J 6DR (6AUK)

FT9.9L 6EA (6AVK)

### MODELS AVAILABLE

F9.9J MH, EH\*, E

FT9.9L MH, EHP\*, WH\*, E, EP

\* : US, Canada

F9.9JMHS FT9.9LMHL

### Dimension

|                       |                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overall length        | <b>F9.9J</b> MH: 983 mm (38.7 in), E: 557 mm (21.9 in)<br><b>FT9.9L</b> MH, WH: 1043 mm (41.6 in), E, EP: 557 mm (22.0 in)                                                         |
| Overall width         | <b>F9.9J</b> MH: 357 mm (14.1 in), E: 333 mm (13.1 in)<br><b>FT9.9L</b> MH, WH: 371 mm (14.6 in), E, EP: 333 mm (13.1 in)                                                          |
| Overall height        | <b>F9.9J</b> : S: 1008 mm (39.7 in), L: 1135 mm (44.7 in)<br><b>FT9.9L</b> : L: 1195 mm (47.0 in), X: 1263 mm (49.7 in)                                                            |
| Engine transom height | <b>F9.9J</b> : S: 431 mm (17.0 in), L: 558 mm (22.0 in)<br><b>FT9.9L</b> : L: 552 mm (21.7 in), X: 620 mm (24.4 in),<br>EP, EHP: L: 557 mm (22.0 in), EP, EHP: X: 625 mm (24.6 in) |
| Minimum distance      | —                                                                                                                                                                                  |
| Steering angle        | 43 deg. each direction<br>(FT9.9LEP: 38 deg. each direction)                                                                                                                       |
| Dry weight            | <b>F9.9J</b> : 40 – 45 kg<br><b>FT9.9L</b> : 45 – 53 kg                                                                                                                            |

### Performance

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 7.3 kW (9.9 ps)         |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 1000 – 1100 r/min       |
| Fuel consumption              | (*3.9 L/h @5500 r/min ) |
| *. reference data             |                         |

### Engine

|                       |                                        |
|-----------------------|----------------------------------------|
| Engine type           | SOHC, In-line 2                        |
| Displacement          | 212 cm <sup>3</sup>                    |
| Bore × stroke         | 56.0 × 43.0 mm                         |
| Compression ratio     | 9.4 :1                                 |
| Fuel induction system | 1 carburetor                           |
| Lubrication system    | Wet sump                               |
| Engine oil capacity   | 0.8 L                                  |
| Ignition system       | CDI                                    |
| Ignition timing       | BTDC 5.0 – BTDC 30.0 deg.              |
| Spark plug            | BR6HS-10                               |
| Alternator            | 6 A (Except MH)                        |
| Cooling system        | Raw-water, thermostatically controlled |
| Exhaust system        | Through propeller boss                 |

### Bracket / Drive

|                     |                                                             |              |
|---------------------|-------------------------------------------------------------|--------------|
| Trim                | 4 positions                                                 |              |
| Shallow water drive | Manual: 2 positions<br>FT9.9LEHP, EP: PT: variable position |              |
| Gear shift          | F-N-R                                                       |              |
| Gear ratio          | 2.08 (27/13)                                                | 2.92 (38/13) |
| Gear oil capacity   | 0.150 L                                                     | 0.370 L      |
| Propeller fitting   | Spline                                                      |              |
| Propeller rotation  | Clockwise                                                   |              |
| Shaft length        | S, L                                                        | L, X         |

| Model Category       |                                    | General (FT9.9L: High thrust) |                        |
|----------------------|------------------------------------|-------------------------------|------------------------|
| Feature Table        |                                    | F9.9J                         | FT9.9L                 |
| Environment          | Blow-by gas burning system         | •                             | •                      |
|                      | Start in gear protection           | •<br>(MH, EH)                 | •<br>(MH, EH, EHP, WH) |
| Security             | Over rev. limiter                  | •                             | •                      |
|                      | Low oil press. warning             | •                             | •                      |
|                      | Emergency ignition circuit         | •                             | •                      |
| Corrosion prevention | Stainless steel water pump housing | •                             | •                      |
|                      | Freshwater flushing device         | Optional                      | Optional               |
| Power unit           | Carburetor                         | •                             | •                      |
|                      | Recommended Fuel (RON)             | 90                            | 90                     |
|                      | Recommended Fuel (PON)             | 86                            | 86                     |
| Convenience          | Tilt lock lever                    | •                             | •                      |

| Optional Accessory         |                      | F9.9J         | FT9.9L             |
|----------------------------|----------------------|---------------|--------------------|
| Lighting coil kit          |                      | • (MH)        | • (MH)             |
| Electric starter kit       |                      | • (MH)        | • (MH)             |
| Rectifier-regulator        |                      | • (MH)        | • (MH)             |
| Steering guide attachment  |                      | • (E)         | • (E, EP)          |
| Steering friction          |                      | •<br>(MH, EH) | •<br>(MH, EHP, WH) |
| Freshwater flushing device |                      | •             | •                  |
| Rigging Accessory          |                      | F9.9J         | FT9.9L             |
| Gauge                      | 6Y7                  | • (E)         | • (E, EP)          |
| Remote control             | 703                  | • (E)         | • (E, EP)          |
|                            | N Series             | N             | —                  |
| Propeller                  | Dual Thrust N Series | N             | —                  |
|                            | Dual Thrust R Series | —             | R                  |
| Consumes                   |                      | F9.9J         | FT9.9L             |
| Yamalube gear oil          | GL4                  | •             | •                  |

# Carburetor model



F15CMHL F20BMHL

## F15C F20B

### MODEL CODE (Approved code)

F15C 6AG (6AGK)

F20B 6AH (6AHK)

### MODELS AVAILABLE

F15C MH, EH, EHP\*\*, E\*, EP\*

F20B MH, EH, EHP, E, EP

\* : EU

\*\* : US, Canada

### Dimension

|                       |                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| Overall length        | MH, EH, EHP: 1048 mm (41.3 in),<br>E, EP: 665 mm (26.2 in)                                            |
| Overall width         | MH, EH, EHP: 420 mm (16.5 in),<br>E, EP: 390 mm (15.4 in)                                             |
| Overall height        | S: 1078 mm (42.4 in), L: 1205 mm (47.4 in)                                                            |
| Engine transom height | S: 438 mm (17.2 in), L: 565 mm (22.2 in),<br>EP: S: 443 mm (17.5 in),<br>EHP, EP: L: 570 mm (22.5 in) |
| Minimum distance      | —                                                                                                     |
| Steering angle        | Manual: 45 deg. (PT: 40 deg.) each direction                                                          |
| Dry weight            | F15C: 51 – 61 kg<br>F20B: 51 – 61 kg                                                                  |

| Performance                   | F15C                                          | F20B                                          |
|-------------------------------|-----------------------------------------------|-----------------------------------------------|
| Max. prop shaft output        | 11.0 kW (15 ps)                               | 14.7 kW (20 ps)                               |
| Full throttle operating range | 5000 – 6000 r/min                             |                                               |
| Idling speed                  | 1000 – 1100 r/min<br>(EHP: 1150 – 1250 r/min) | 1000 – 1100 r/min<br>(EHP: 1150 – 1250 r/min) |
| Fuel consumption              | *5.3 L/h                                      | *6.9 L/h                                      |
| *: reference data             | @5500 r/min                                   | @5500 r/min                                   |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | SOHC, In-line 2                                          |
| Displacement          | 362 cm <sup>3</sup>                                      |
| Bore × stroke         | 63.0 × 58.1 mm                                           |
| Compression ratio     | 9.3 : 1                                                  |
| Fuel induction system | 1 carburetor                                             |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 1.8 L / 1.6 L<br>(with / without oil filter replacement) |
| Ignition system       | CDI                                                      |
| Ignition timing       | TDC – BTDC 30.0 deg.                                     |
| Spark plug            | DPR6EB-9                                                 |
| Alternator            | 10 A (Except MH)                                         |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Trim                | 4 positions                                           |
| Shallow water drive | Manual: 2 positions EHP,<br>EP: PT: variable position |
| Gear shift          | F-N-R                                                 |
| Gear ratio          | 2.08 (27/13)                                          |
| Gear oil capacity   | 0.250 L                                               |
| Propeller fitting   | Spline                                                |
| Propeller rotation  | Clockwise                                             |
| Shaft length        | S, L                                                  |
|                     | MH, EH, E, EP: S, L<br>EHP: L                         |

Model Category    General

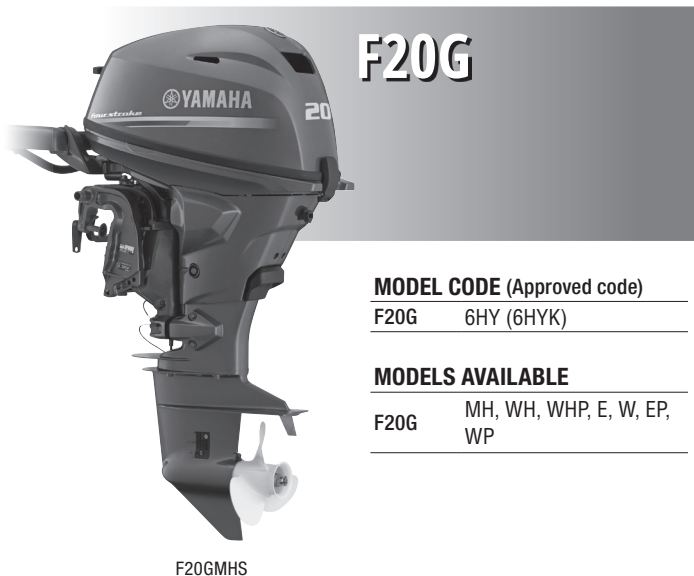
| Feature Table        |                                    | F15C               | F20B               |
|----------------------|------------------------------------|--------------------|--------------------|
| Environment          | Blow-by gas burning system         | ●                  | ●                  |
|                      | Start in gear protection           | ●<br>(MH, EH, EHP) | ●<br>(MH, EH, EHP) |
| Security             | Over rev. limiter                  | ●                  | ●                  |
|                      | Overheat warning                   | ●                  | ●                  |
|                      | Low oil press. warning             | ●                  | ●                  |
| Corrosion prevention | Stainless steel water pump housing | ●                  | ●                  |
|                      | Stainless steel water tube         | ●                  | ●                  |
|                      | Freshwater flushing device         | ●                  | ●                  |
| Power unit           | Primestart                         | ●                  | ●                  |
|                      | Carburetor                         | ●                  | ●                  |
|                      | Recommended Fuel (RON)             | 90                 | 90                 |
|                      | Recommended Fuel (PON)             | 86                 | 86                 |
| Convenience          | Auto decompression                 | ●                  | ●                  |
|                      | Tilt lock lever                    | ●                  | ●                  |

| Optional Accessory        | F15C               | F20B               |
|---------------------------|--------------------|--------------------|
| Rectifier-regulator       | ● (MH)             | ● (MH)             |
| Steering guide attachment | ● (E, EP)          | ● (E, EP)          |
| Steering friction         | ●<br>(MH, EH, EHP) | ●<br>(MH, EH, EHP) |

| Rigging Accessory |                      | F15C      | F20B      |
|-------------------|----------------------|-----------|-----------|
| Gauge             | 6Y7                  | ● (E, EP) | ● (E, EP) |
| Remote control    | 703                  | ● (E, EP) | ● (E, EP) |
| Propeller         | J Series             | J/J1      | J1        |
|                   | Dual Thrust J Series | J         | —         |

| Consumes          |     | F15C | F20B |
|-------------------|-----|------|------|
| Yamalube gear oil | GL4 | ●    | ●    |

# Fuel Injection model



## F20G

### MODEL CODE (Approved code)

|      |            |
|------|------------|
| F20G | 6HY (6HYK) |
|------|------------|

### MODELS AVAILABLE

|      |                           |
|------|---------------------------|
| F20G | MH, WH, WHP, E, W, EP, WP |
|------|---------------------------|

F20GMHS

### Dimension

|                       |                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| Overall length        | MH, WH, WHP: 1130 mm (44.5 in),<br>E, W, EP, WP: 633 mm (25.0 in)                                                  |
| Overall width         | 378 mm (14.9 in)                                                                                                   |
| Overall height        | S: 1106 mm (43.5 in), L: 1233 mm (48.5 in) ,<br>EP, WP: S: 1106 mm (43.5 in),<br>EP, WP, WHP: L: 1233 mm (48.5 in) |
| Engine transom height | S: 424 mm (16.7 in), L: 551 mm (21.7 in) ,<br>EP, WP: S: 429 mm (16.9 in),<br>EP, WP, WHP: L: 556 mm (21.9 in)     |
| Minimum distance      | —                                                                                                                  |
| Steering angle        | 45 deg. each direction                                                                                             |
| Dry weight            | 56 – 66 kg                                                                                                         |

### Performance

### F20G

|                               |                        |
|-------------------------------|------------------------|
| Max. prop shaft output        | 14.7 kW (20 ps)        |
| Full throttle operating range | 5000 – 6000 r/min      |
| Idling speed                  | 850 – 950 r/min        |
| Fuel consumption              | (*7.5 L/h @6000 r/min) |
| *: reference data             |                        |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | SOHC, In-line 2                                          |
| Displacement          | 432 cm <sup>3</sup>                                      |
| Bore × stroke         | 65.0 × 65.1 mm                                           |
| Compression ratio     | 9.1 :1                                                   |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 1.1 L / 1.0 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | ATDC 3.0 – BTDC 22.0 deg.                                |
| Spark plug            | DPR6EB-9                                                 |
| Alternator            | 16 A                                                     |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                                                           |
|---------------------|-----------------------------------------------------------|
| Trim                | 4 positions                                               |
| Shallow water drive | Manual: 2 positions EP, WP,<br>WHP: PT: variable position |
| Gear shift          | F-N-R                                                     |
| Gear ratio          | 2.08 (27/13)                                              |
| Gear oil capacity   | 0.370 L                                                   |
| Propeller fitting   | Spline                                                    |
| Propeller rotation  | Clockwise                                                 |
| Shaft length        | MH, WH, E, W, EP, WP: S, L<br>WHP: L                      |

Model Category

General

| Feature Table        |                                    | F20G                          |
|----------------------|------------------------------------|-------------------------------|
| Environment          | Blow-by gas burning system         | •                             |
|                      | Start in gear protection           | •<br>(MH, WH, W, EP, WP, WHP) |
| Security             | Over rev. limiter                  | •                             |
|                      | Overheat warning                   | •                             |
|                      | Low oil press. warning             | •                             |
|                      | YDIS interface                     | •                             |
| Corrosion prevention | Stainless steel water pump housing | •                             |
|                      | Stainless steel water tube         | •                             |
|                      | Freshwater flushing device         | •                             |
| Power unit           | Fuel injection                     | •                             |
|                      | Recommended Fuel (RON)             | 90                            |
|                      | Recommended Fuel (PON)             | 86                            |
| Convenience          | Auto decompression                 | •                             |
|                      | Tilt lock lever                    | •                             |

| Optional Accessory               | F20G             |
|----------------------------------|------------------|
| Steering guide attachment        | • (MH, WH, WHP)  |
| Steering friction                | • (EP, WP)       |
| 6X4 Multi-function tiller handle | • (EP, WP)       |
| Variable trolling switch         | • (E, W, EP, WP) |
| Immobilizer                      | • (E, EP)        |
| E-starter kit                    | • (MH)           |
| Battery charging cable kit       | • (MH)           |
| Remote control attachment kit    | • (MH, WH, WHP)  |

| Rigging Accessory |               | F20G                |
|-------------------|---------------|---------------------|
| Display           | CL5           | • (E, EP)           |
|                   | MFD Interface | • (E, EP)           |
| Gauge             | 6Y7           | • *1 (E, W, EP, WP) |
|                   | 6Y8           | • *2 (E, EP)        |
| Remote control    | 703           | • (E, W, EP, WP)    |
|                   | 704           | • (E, W, EP, WP)    |
|                   | 6X3           | • (E, W, EP, WP)    |
| Propeller         | Black Series  | F                   |
|                   | F Series      | F                   |

\*1 : 6Y7 Tacho Meter without warning lamp only.  
\*2 : 6Y8 Tacho Meter only.

| Consumes              | F20G |
|-----------------------|------|
| Yamalube gear oil GL4 | •    |

# Fuel Injection model



F25GWTL

## F25G

### MODEL CODE (Approved code)

|      |            |
|------|------------|
| F25G | 6FM (6FMK) |
|------|------------|

### MODELS AVAILABLE

|      |                                |
|------|--------------------------------|
| F25G | MH, WH, WHT, WHD, E, W, ET, WT |
|------|--------------------------------|

### Dimension

|                       |                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Overall length        | MH, WH: 1130 mm (44.5 in),<br>WHT, WHD, W, WT: 1129 mm (44.4 in),<br>E, ET: 633 mm (25.0 in)                                                |
| Overall width         | 378 mm (14.9 in)                                                                                                                            |
| Overall height        | S: 1106 mm (43.5 in), L: 1233 mm (48.5 in), ET,<br>WT: L: 1233 mm (48.5 in),<br>X: 1320 mm (52.0 in)                                        |
| Engine transom height | S: 424 mm (16.7 in), ET, WT, WHT: 426mm (16.8 in),<br>L: 551 mm (21.7 in),<br>ET, WT, WHT, WHD: L: 553 mm (21.8 in),<br>X: 640 mm (25.2 in) |
| Minimum distance      | —                                                                                                                                           |
| Steering angle        | 45 deg. each direction                                                                                                                      |
| Dry weight            | 56 – 70 kg                                                                                                                                  |

### Performance

### F25G

|                               |                       |
|-------------------------------|-----------------------|
| Max. prop shaft output        | 18.4 kW (25 ps)       |
| Full throttle operating range | 5000 – 6000 r/min     |
| Idling speed                  | 850 – 950 r/min       |
| Fuel consumption              | (9.2 L/h @6000 r/min) |
| *: reference data             |                       |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | SOHC, In-line 2                                          |
| Displacement          | 432 cm <sup>3</sup>                                      |
| Bore × stroke         | 65.0 × 65.1 mm                                           |
| Compression ratio     | 9.1 :1                                                   |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 1.1 L / 1.0 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | ATDC 3 – BTDC 29 deg.                                    |
| Spark plug            | DPR6EB-9                                                 |
| Alternator            | 16 A                                                     |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Trim                | Manual: 4 positions,<br>PTT: — (continuously variable)   |
| Shallow water drive | Manual: 2 positions ET,<br>WT: PTT: variable position    |
| Gear shift          | F-N-R                                                    |
| Gear ratio          | 2.08 (27/13)                                             |
| Gear oil capacity   | 0.370 L                                                  |
| Propeller fitting   | Spline                                                   |
| Propeller rotation  | Clockwise                                                |
| Shaft length        | MH, WH, E, W, ET: S, L /<br>WHT, WT: S, L, X / WHD: L, X |

Model Category

General (WT: High thrust)

| Feature Table        |                                    | F25G                      |
|----------------------|------------------------------------|---------------------------|
| Environment          | Blow-by gas burning system         | •                         |
|                      | Start in gear protection           | •<br>(MH, WH, W, WT, WHT) |
| Security             | Over rev. limiter                  | •                         |
|                      | Overheat warning                   | •                         |
|                      | Low oil press. warning             | •                         |
|                      | YDIS interface                     | •                         |
| Corrosion prevention | Stainless steel water pump housing | •                         |
|                      | Stainless steel water tube         | •                         |
|                      | Freshwater flushing device         | •                         |
| Power unit           | Fuel injection                     | •                         |
|                      | Recommended Fuel (RON)             | 90                        |
|                      | Recommended Fuel (PON)             | 86                        |
|                      | Auto decompression                 | •                         |
| Convenience          | Tilt lock lever                    | •                         |
|                      | 6DR Multi-function tiller handle   | •<br>(WHT)                |

| Optional Accessory               | F25G                          |
|----------------------------------|-------------------------------|
| Steering guide attachment        | • (E, ET, W, WT)              |
| Steering friction                | •<br>(MH, WH, WHT, WHD)       |
| 6X4 Multi-function tiller handle | •<br>(WHD)                    |
| Variable trolling switch         | •<br>(E, ET, W, WT, WHT, WHD) |
| Immobilizer                      | • (E, ET)                     |
| E-starter kit                    | • (MH)                        |
| Battery charging cable kit       | • (MH)                        |
| Remote control attachment kit    | • (MH, WH)                    |

| Rigging Accessory |                      | F25G                     |
|-------------------|----------------------|--------------------------|
| Display           | CL5                  | • (E, EP)                |
|                   | MFD Interface        | • (E, EP)                |
| Gauge             | 6Y7                  | • *1 (E, ET, W, WT, WHT) |
|                   | 6Y8                  | • *2 (E, ET)             |
|                   | 703                  | • (E, ET, W, WT)         |
| Remote control    | 704                  | • (E, ET, W, WT)         |
|                   | 6X3                  | • (E, ET, W, WT)         |
|                   | Black Series         | F                        |
| Propeller         | F Series             | F                        |
|                   | Dual Thrust F Series | F                        |

\*1 : 6Y7 Tacho Meter without warning lamp only.  
\*2 : 6Y8 Tacho Meter only.

| Consumes              | F25G |
|-----------------------|------|
| Yamalube gear oil GL4 | •    |

# Fuel Injection model



F40FETL

## F30B F40F

### MODEL CODE (Approved code)

F30B 6BT (6BTK)

F40F 6BG (6BGK)

### MODELS AVAILABLE

F30B EHT, EHD, ET

F40F EHT, EHD, ET, ED\*

\* : EU

### Dimension

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Overall length        | <b>F30B</b> EHT, EHD: 1362 mm (53.6 in),<br>ET: 698 mm (27.5 in)     |
|                       | <b>F40F</b> EHT, EHD: 1362 mm (53.6 in),<br>ET, ED: 698 mm (27.5 in) |
| Overall width         | 384 mm (15.1 in)                                                     |
| Overall height        | S: 1228 mm (48.3 in), L: 1350 mm (53.1 in)                           |
| Engine transom height | S: 414 mm (16.3 in), L: 536 mm (21.1 in)                             |
| Minimum distance      | —                                                                    |
| Steering angle        | 40 deg. each direction                                               |
| Dry weight            | <b>F30B</b> 94 – 106 kg                                              |
|                       | <b>F40F</b> 94 – 106 kg                                              |

### Performance

|                               | <b>F30B</b>       | <b>F40F</b>     |
|-------------------------------|-------------------|-----------------|
| Max. prop shaft output        | 22.1 kW (30 ps)   | 29.4 kW (40 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                 |
| Idling speed                  | 750 – 850 r/min   |                 |
| Fuel consumption              | *11.5 L/h         | *13.6 L/h       |
| *: reference data             | @5500 r/min       | @5500 r/min     |

### Engine

|                       |                                                       |                 |
|-----------------------|-------------------------------------------------------|-----------------|
| Engine type           | SOHC, In-line 3                                       |                 |
| Displacement          | 747 cm <sup>3</sup>                                   |                 |
| Bore × stroke         | 65.0 × 75.0 mm                                        |                 |
| Compression ratio     | 9.4 :1                                                |                 |
| Fuel induction system | Fuel injection                                        |                 |
| Lubrication system    | Wet sump                                              |                 |
| Engine oil capacity   | 1.7 L/ 1.5 L (with / without oil fi lter replacement) |                 |
| Ignition system       | CDI                                                   |                 |
| Ignition timing       | ATDC 7.0                                              | ATDC 8.0        |
|                       | –BTDC 20.0 deg.                                       | –BTDC 20.0 deg. |
| Spark plug            | DPR6EB-9                                              |                 |
| Alternator            | 17 A (battery charging:13 A)                          |                 |
| Cooling system        | Raw-water, thermostatically controlled                |                 |
| Exhaust system        | Through propeller boss                                |                 |

### Bracket / Drive

|                     |                                                                      |                    |
|---------------------|----------------------------------------------------------------------|--------------------|
| Trim                | Hydro: 5 positions,<br>PTT: — (continuously variable)                |                    |
| Shallow water drive | ET, EHT: PTT: variable position<br>ED, EHD: Hydro: variable position |                    |
| Gear shift          | F-N-R                                                                |                    |
| Gear ratio          | 2.0 (26/13)                                                          |                    |
| Gear oil capacity   | 0.430 L                                                              |                    |
| Propeller fitting   | Spline                                                               |                    |
| Propeller rotation  | Clockwise                                                            |                    |
| Shaft length        | ET: S, L                                                             | EHD, ET, ED : S, L |
|                     | EHT, EHD: L                                                          | EHT: L             |

| Model Category       |                                     | General         |      |
|----------------------|-------------------------------------|-----------------|------|
| Feature Table        |                                     | F30B            | F40F |
| Environment          | Fuel vaporize control system        | ●               | ●    |
|                      | Fuel vapor accumulation system      | ●               | ●    |
|                      | Hydro-carbon gas burning system     | ●               | ●    |
| Security             | Start in gear protection            | ●<br>(EHD, EHT) | —    |
|                      | Over rev. limiter                   | ●               | ●    |
|                      | Overheat warning                    | ●               | ●    |
|                      | Low oil press. warning              | ●               | ●    |
|                      | Fail safe system                    | ●               | ●    |
|                      | Immobilizer adaptation              | ●               | ●    |
|                      | YDIS interface                      | ●               | ●    |
| Corrosion prevention | Stainless steel water pump housing  | ●               | ●    |
|                      | Freshwater flushing device          | ●               | ●    |
| Power unit           | Fuel injection                      | ●               | ●    |
|                      | Recommended Fuel (RON)              | 90              | 90   |
|                      | Recommended Fuel (PON)              | 86              | 86   |
| Control system       | Digital network system (Optional)   | ●               | ●    |
|                      | Variable trolling switch adaptation | ●               | ●    |
| Convenience          | Tilt lock lever                     | ●               | ●    |

| Optional Accessory        |  | F30B         | F40F         |
|---------------------------|--|--------------|--------------|
| Immobilizer               |  | •            | •            |
| Steering guide attachment |  | • (ET)       | • (ED, ET)   |
| Steering friction         |  | • (EHD, EHT) | • (EHD, EHT) |

| Rigging Accessory |                 | F30B   | F40F       |
|-------------------|-----------------|--------|------------|
| Display           | CL5             | • (ET) | • (ED, ET) |
|                   | MFD Interface   | • (ET) | • (ED, ET) |
| Gauge             | 6Y5             | • (ET) | • (ED, ET) |
|                   | 6Y7             | • (ET) | • (ED, ET) |
|                   | 6Y8             | • (ET) | • (ED, ET) |
| Switch            | 64D             | • (ET) | • (ED, ET) |
|                   | 6R5             | • (ET) | • (ED, ET) |
|                   | 6K1             | • (ET) | • (ED, ET) |
|                   | 6Y8             | • (ET) | • (ED, ET) |
| Remote control    | 703             | • (ET) | • (ED, ET) |
|                   | 704             | • (ET) | • (ED, ET) |
|                   | 6X3             | • (ET) | • (ED, ET) |
| Propeller         | Black Series    | G      | G          |
|                   | G Series        | G      | G          |
|                   | G Enduro Series | G      | G          |

| Consumes              |  | F30B | F40F |
|-----------------------|--|------|------|
| Yamalube gear oil GL4 |  | •    | •    |

# Fuel Injection model



F60FETL

## F50H F60F

### MODEL CODE (Approved code)

F50H 6C1 (6C1)

F60F 6C5 (6C5)

### MODELS AVAILABLE

F50H EHT, EHD, ET, ET2, ED\*

F60F EHT, ET

\* : EU

### Dimension

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Overall length        | <b>F50H</b> EHT, EHD: 1380 mm (54.3 in),<br>ET, ED: 698 mm (27.5 in) |
|                       | <b>F60F</b> EHT: 1380 mm (54.3 in),<br>ET: 698 mm (27.5 in)          |
| Overall width         | 386 mm (15.2 in)                                                     |
| Overall height        | L: 1435 mm (56.5 in)                                                 |
| Engine transom height | L: 527 mm (20.7 in)                                                  |
| Minimum distance      | —                                                                    |
| Steering angle        | 40 deg. each direction                                               |
| Dry weight            | <b>F50H</b> 107 – 117 kg                                             |
|                       | <b>F60F</b> 113 – 117 kg                                             |

### Performance

|                               | <b>F50H</b>       | <b>F60F</b>     |
|-------------------------------|-------------------|-----------------|
| Max. prop shaft output        | 36.8 kW (50 ps)   | 44.1 kW (60 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                 |
| Idling speed                  | 700 – 800 r/min   |                 |
| Fuel consumption              | *17.6 L/h         | *18.9 L/h       |
| *: reference data             | @5500 r/min       | @5500 r/min     |

### Engine

|                       |                                                          |                              |
|-----------------------|----------------------------------------------------------|------------------------------|
| Engine type           | SOHC, In-line 4                                          |                              |
| Displacement          | 996 cm <sup>3</sup>                                      |                              |
| Bore × stroke         | 65.0 × 75.0 mm                                           |                              |
| Compression ratio     | 9.5 :1                                                   |                              |
| Fuel induction system | Fuel injection                                           |                              |
| Lubrication system    | Wet sump                                                 |                              |
| Engine oil capacity   | 2.1 L/ 1.9 L<br>(with / without oil fi lter replacement) |                              |
| Ignition system       | TCI                                                      |                              |
| Ignition timing       | ATDC 10.0<br>–BTDC 25.0 deg.                             | ATDC 10.0<br>–BTDC 24.0 deg. |
| Spark plug            | DPR6EB-9                                                 |                              |
| Alternator            | 16 A (battery charging: 9 A)                             |                              |
| Cooling system        | Raw-water, thermostatically controlled                   |                              |
| Exhaust system        | Through propeller boss                                   |                              |

### Bracket / Drive

|                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
| Trim                | Hydro: 5 positions,<br>PTT: — (continuously variable)                |
| Shallow water drive | ET, EHT: PTT: variable position<br>ED, EHD: Hydro: variable position |
| Gear shift          | F-N-R                                                                |
| Gear ratio          | 1.85 (24/13)                                                         |
| Gear oil capacity   | 0.430 L                                                              |
| Propeller fitting   | Spline                                                               |
| Propeller rotation  | Clockwise                                                            |
| Shaft length        | L                                                                    |

4-stroke

Fuel injection

| Model Category       |                                     | General         |      |
|----------------------|-------------------------------------|-----------------|------|
| Feature Table        |                                     | F50H            | F60F |
| Environment          | Fuel vaporize control system        | ●               | ●    |
|                      | Fuel vapor accumulation system      | ●               | ●    |
|                      | Hydro-carbon gas burning system     | ●               | ●    |
| Security             | Start in gear protection            | ●<br>(EHD, EHT) | —    |
|                      | Over rev. limiter                   | ●               | ●    |
|                      | Overheat warning                    | ●               | ●    |
|                      | Low oil press. warning              | ●               | ●    |
|                      | Fail safe system                    | ●               | ●    |
|                      | Immobilizer adaptation              | ●               | ●    |
|                      | YDIS interface                      | ●               | ●    |
| Corrosion prevention | Stainless steel water pump housing  | ●               | ●    |
|                      | Anodic coated muffler               | ●               | ●    |
|                      | Freshwater flushing device          | ●               | ●    |
| Power unit           | Fuel injection                      | ●               | ●    |
|                      | Recommended Fuel (RON)              | 90              | 90   |
|                      | Recommended Fuel (PON)              | 86              | 86   |
| Control system       | Digital network system (Optional)   | ●               | ●    |
|                      | Variable trolling switch adaptation | ●               | ●    |
| Convenience          | Tilt lock lever                     | ●               | ●    |

|                           |  |              |         |
|---------------------------|--|--------------|---------|
| Optional Accessory        |  | F50H         | F60F    |
| Tilt limiter              |  | • (ED, ET)   | • (ET)  |
| Immobilizer               |  | •            | •       |
| Steering guide attachment |  | • (ED, ET)   | • (ET)  |
| Steering friction         |  | • (EHD, EHT) | • (EHT) |

|                   |                 |            |        |
|-------------------|-----------------|------------|--------|
| Rigging Accessory |                 | F50H       | F60F   |
| Display           | CL5             | • (ET)     | • (ET) |
|                   | MFD Interface   | • (ET)     | • (ET) |
| Gauge             | 6Y5             | • (ED, ET) | • (ET) |
|                   | 6Y7             | • (ED, ET) | • (ET) |
|                   | 6Y8             | • (ED, ET) | • (ET) |
| Switch            | 64D             | • (ED, ET) | • (ET) |
|                   | 6R5             | • (ED, ET) | • (ET) |
|                   | 6K1             | • (ED, ET) | • (ET) |
|                   | 6Y8             | • (ED, ET) | • (ET) |
| Remote control    | 703             | • (ED, ET) | • (ET) |
|                   | 704             | • (ED, ET) | • (ET) |
|                   | 6X3             | • (ED, ET) | • (ET) |
| Propeller         | Black Series    | G          | G      |
|                   | G Series        | G          | —      |
|                   | G Enduro Series | G          | G      |

|                       |  |      |      |
|-----------------------|--|------|------|
| Consumes              |  | F50H | F60F |
| Yamalube gear oil GL4 |  | •    | •    |

# Fuel Injection model



FT60GETL

## FT50J FT60G

### MODEL CODE (Approved code)

FT50J 6C2 (6C2)

FT60G 6C6 (6C6)

### MODELS AVAILABLE

FT50J ET

FT60G EHT, EHD, ET

### Dimension

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Overall length        | FT50J ET: 698 mm (27.5 in)                                 |
|                       | FT60G EHT, EHD: 1380 mm (54.3 in),<br>ET: 698 mm (27.5 in) |
| Overall width         | 386 mm (15.2 in)                                           |
| Overall height        | L: 1476 mm (58.1 in), X: 1590 mm (62.6 in)                 |
| Engine transom height | L: 530 mm (20.9 in), X: 644 mm (25.4 in)                   |
| Minimum distance      | ET: 560 mm (22.0 in)                                       |
| Steering angle        | 40 deg. each direction                                     |
| Dry weight            | FT50J 118 kg                                               |
|                       | FT60G 116 – 129 kg                                         |

### Performance

|                               | FT50J             | FT60G           |
|-------------------------------|-------------------|-----------------|
| Max. prop shaft output        | 36.8 kW (50 ps)   | 44.1 kW (60 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                 |
| Idling speed                  | 700 – 800 r/min   |                 |
| Fuel consumption              | *18.5 L/h         | *19.2 L/h       |
| *: reference data             | @5500 r/min       | @5500 r/min     |

### Engine

|                       |                                                          |                              |
|-----------------------|----------------------------------------------------------|------------------------------|
| Engine type           | SOHC, In-line 4                                          |                              |
| Displacement          | 996 cm <sup>3</sup>                                      |                              |
| Bore × stroke         | 65.0 × 75.0 mm                                           |                              |
| Compression ratio     | 9.5 :1                                                   |                              |
| Fuel induction system | Fuel injection                                           |                              |
| Lubrication system    | Wet sump                                                 |                              |
| Engine oil capacity   | 2.1 L/ 1.9 L<br>(with / without oil fi lter replacement) |                              |
| Ignition system       | TCI                                                      |                              |
| Ignition timing       | ATDC 10.0<br>–BTDC 25.0 deg.                             | ATDC 10.0<br>–BTDC 24.0 deg. |
| Spark plug            | DPR6EB-9                                                 |                              |
| Alternator            | 16 A (battery charging: 9 A)                             |                              |
| Cooling system        | Raw-water, thermostatically controlled                   |                              |
| Exhaust system        | Through propeller boss                                   |                              |

### Bracket / Drive

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| Trim                | — (continuously variable)                                        |
| Shallow water drive | ET, EHT: PTT: variable position<br>EHD: Hydro: variable position |
| Gear shift          | F-N-R                                                            |
| Gear ratio          | 2.33 (28/12)                                                     |
| Gear oil capacity   | 0.670 L                                                          |
| Propeller fitting   | Spline                                                           |
| Propeller rotation  | Clockwise                                                        |
| Shaft length        | L<br>EHT: L / ET, EHD: L, X                                      |

Model Category    General, High thrust

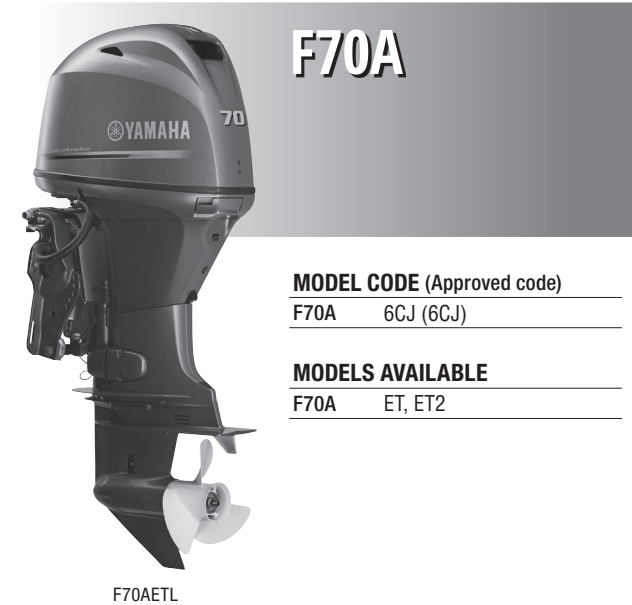
| Feature Table        |                                     | FT50J | FT60G |
|----------------------|-------------------------------------|-------|-------|
| Environment          | Fuel vaporize control system        | •     | •     |
|                      | Fuel vapor accumulation system      | •     | •     |
|                      | Hydro-carbon gas burning system     | •     | •     |
| Security             | Over rev. limiter                   | •     | •     |
|                      | Overheat warning                    | •     | •     |
|                      | Low oil press. warning              | •     | •     |
|                      | Fail safe system                    | •     | •     |
|                      | Immobilizer adaptation              | •     | •     |
| Corrosion prevention | YDIS interface                      | •     | •     |
|                      | Stainless steel water pump housing  | •     | •     |
|                      | Anodic coated muffler               | •     | •     |
| Power unit           | Freshwater flushing device          | •     | •     |
|                      | Fuel injection                      | •     | •     |
|                      | Recommended Fuel (RON)              | 90    | 90    |
| Control system       | Recommended Fuel (PON)              | 86    | 86    |
|                      | Digital network system (Optional)   | •     | •     |
|                      | Variable trolling switch adaptation | •     | •     |
| Convenience          | Tilt lock lever                     | •     | •     |

| Optional Accessory        | FT50J  | FT60G  |
|---------------------------|--------|--------|
| Tilt limiter              | • (ET) | • (ET) |
| Immobilizer               | • (ET) | • (ET) |
| Chrome pump               | • (ET) | • (ET) |
| Steering guide attachment | • (ET) | • (ET) |

| Rigging Accessory |                      | FT50J  | FT60G  |
|-------------------|----------------------|--------|--------|
| Display           | CL5                  | • (ET) | • (ET) |
|                   | MFD Interface        | • (ET) | • (ET) |
| Gauge             | 6Y5                  | • (ET) | • (ET) |
|                   | 6Y7                  | • (ET) | • (ET) |
|                   | 6Y8                  | • (ET) | • (ET) |
| Switch            | 64D                  | • (ET) | • (ET) |
|                   | 6R5                  | • (ET) | • (ET) |
|                   | 6K1                  | • (ET) | • (ET) |
|                   | 6Y8                  | • (ET) | • (ET) |
| Remote control    | 703                  | • (ET) | • (ET) |
|                   | 704                  | • (ET) | • (ET) |
|                   | 6X3                  | • (ET) | • (ET) |
| Propeller         | Black Series         | K      | K      |
|                   | K Series             | K      | K      |
|                   | Dual Thrust K Series | K      | K      |
|                   | TALON Series         | K      | K      |
|                   | TALON GP Series      | K      | K      |
|                   | TALON SS Series      | K      | K      |
|                   | TALON PONTOON Series | K      | K      |
|                   | TALON SS4 Series     | K      | K      |

| Consumes              | FT50J | FT60G |
|-----------------------|-------|-------|
| Yamalube gear oil GL4 | •     | •     |

# Fuel Injection model



## Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 698 mm (27.5 in)                           |
| Overall width         | 386 mm (15.2 in)                           |
| Overall height        | L: 1476 mm (58.1 in), X: 1590 mm (62.6 in) |
| Engine transom height | L: 534 mm (21.0 in), X: 648 mm (25.5 in)   |
| Minimum distance      | 560 mm (22.0 in)                           |
| Steering angle        | 40 deg. each direction                     |
| Dry weight            | 119 – 123 kg                               |

| Performance                   | F70A                    |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 51.5 kW (70 ps)         |
| Full throttle operating range | 5300 – 6300 r/min       |
| Idling speed                  | 700 – 800 r/min         |
| Fuel consumption              | (*21.2 L/h @5800 r/min) |
| *: reference data             |                         |

| Engine                |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve SOHC, In-line 4                                 |
| Displacement          | 996 cm <sup>3</sup>                                      |
| Bore × stroke         | 65.0 × 75.0 mm                                           |
| Compression ratio     | 9.4 :1                                                   |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 2.1 L / 1.9 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LKR7E                                                    |
| Alternator            | 15 A (battery charging: 9 A)                             |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

| Bracket / Drive     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.33 (28/12)              |
| Gear oil capacity   | 0.670 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

General

| Feature Table        | F70A                                |
|----------------------|-------------------------------------|
| Environment          | Fuel vaporize control system        |
|                      | Fuel vapor accumulation system      |
|                      | Hydro-carbon gas burning system     |
| Security             | Over rev. limiter                   |
|                      | Overheat warning                    |
|                      | Anti knocking control               |
|                      | Low oil press. warning              |
|                      | Fail safe system                    |
|                      | Immobilizer adaptation              |
|                      | YDIS interface                      |
| Corrosion prevention | Stainless steel water pump housing  |
|                      | Stainless steel water tube          |
|                      | Anodic coated muffler               |
|                      | Freshwater flushing device          |
| Power unit           | Fuel injection                      |
|                      | Recommended Fuel (RON)              |
|                      | Recommended Fuel (PON)              |
| Control system       | Digital network system (Optional)   |
|                      | Variable trolling switch adaptation |
| Convenience          | Tilt lock lever                     |

| Optional Accessory        | F70A |
|---------------------------|------|
| Tilt limiter              |      |
| Immobilizer               |      |
| Steering guide attachment |      |

| Rigging Accessory | F70A                 |
|-------------------|----------------------|
| Display           | CL5                  |
|                   | MFD Interface        |
| Gauge             | 6Y5                  |
|                   | 6Y7                  |
|                   | 6Y8                  |
| Switch            | 64D                  |
|                   | 6R5                  |
|                   | 6K1                  |
|                   | 6Y8                  |
| Remote control    | 703                  |
|                   | 704                  |
|                   | 6X3                  |
| Propeller         | Black Series         |
|                   | K Series             |
|                   | Dual Thrust K Series |
|                   | TALON Series         |
|                   | TALON GP Series      |
|                   | TALON SS Series      |
|                   | TALON PONTOON Series |
|                   | TALON SS4 Series     |

| Consumes          | F70A |
|-------------------|------|
| Yamalube gear oil | GL4  |

# Fuel Injection model



F90CETL

## F80D / F100F

### MODEL CODE (Approved code)

F80D 6HV (6HV)

F100F 6HJ (6HJ)

### MODELS AVAILABLE

F80D ET

F100F ET

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 803 mm (31.6 in)                           |
| Overall width         | 488 mm (19.2 in)                           |
| Overall height        | L: 1622 mm (63.9 in), X: 1749 mm (68.9 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 35 deg. each direction                     |
| Dry weight            | 162 – 166 kg                               |

| Performance                   | F80D                 | F100F                |
|-------------------------------|----------------------|----------------------|
| Max. prop shaft output        | 58.8 kW (80 ps)      | 73.6 kW (100 ps)     |
| Full throttle operating range | 5000 – 6000 r/min    |                      |
| Idling speed                  | 700 – 800 r/min      |                      |
| Fuel consumption              | 28.7 L/h @6000 r/min | 36.9 L/h @6000 r/min |

### Engine

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Engine type           | 16-Valve, SOHC, In-line 4                             |
| Displacement          | 1832 cm <sup>3</sup>                                  |
| Bore × stroke         | 81.0 × 88.9 mm                                        |
| Compression ratio     | 10.0 :1                                               |
| Fuel induction system | Fuel injection                                        |
| Lubrication system    | Wet sump                                              |
| Engine oil capacity   | 3.2 L / 3.0 L (with / without oil filter replacement) |
| Ignition system       | TCI                                                   |
| Ignition timing       | BTDC 8.5 – BTDC 23.0 deg.                             |
| Spark plug            | LKR6E-9N                                              |
| Alternator            | 35 A (battery charging: 21 A)                         |
| Cooling system        | Raw-water, thermostatically controlled                |
| Exhaust system        | Through propeller boss                                |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.15 (28/13)              |
| Gear oil capacity   | 0.760 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category      General

| Feature Table        | F80D/F100F                            |
|----------------------|---------------------------------------|
| Environment          | Fuel vaporize control system •        |
|                      | Fuel vapor accumulation system •      |
|                      | Hydro-carbon gas burning system •     |
| Security             | Over rev. limiter •                   |
|                      | Overheat warning •                    |
|                      | Anti knocking control •               |
|                      | Low oil press. warning •              |
|                      | Fail safe system •                    |
|                      | Immobilizer adaptation •              |
|                      | YDIS interface •                      |
| Corrosion prevention | Stainless steel water pump housing •  |
|                      | Stainless steel water tube •          |
|                      | Anodic coated muffler •               |
|                      | Freshwater flushing device •          |
| Power unit           | Fuel injection •                      |
|                      | Recommended Fuel (RON) 90             |
|                      | Recommended Fuel (PON) 86             |
| Control system       | Digital network system (Optional) •   |
|                      | Variable trolling switch adaptation • |
| Convenience          | Tilt lock lever •                     |

| Optional Accessory               | F80D/F100F |
|----------------------------------|------------|
| Tilt limiter                     | •          |
| Immobilizer                      | •          |
| Steering guide attachment        | •          |
| 6X4 Multi-function tiller handle | •          |

| Rigging Accessory | F80D/F100F             |
|-------------------|------------------------|
| Display           | CL5 •                  |
|                   | MFD Interface •        |
| Gauge             | 6Y5 •                  |
|                   | 6Y7 •                  |
|                   | 6Y8 •                  |
| Switch            | 64D •                  |
|                   | 6R5 •                  |
|                   | 6K1 •                  |
|                   | 6Y8 •                  |
| Remote control    | 703 •                  |
|                   | 704 •                  |
|                   | 6X3 •                  |
| Propeller         | Black Series K         |
|                   | K Series K             |
|                   | TALON Series K         |
|                   | TALON GP Series K      |
|                   | TALON SS Series K      |
|                   | TALON PONTOON Series K |
|                   | TALON SS4 Series K     |

| Consumes          | F80D/100F |
|-------------------|-----------|
| Yamalube gear oil | GL4 •     |
|                   | GL5 •     |



F115BETX

## F115B/FL115B

### MODEL CODE (Approved code)

F115B 6EK (6EK)

FL115B 6EL (6EL)

### MODELS AVAILABLE

F115B EHT, ET, ET2

FL115B ET, ET2

### Dimension

|                       |                                              |
|-----------------------|----------------------------------------------|
| Overall length        | EHT: 1554 mm (61.2 in), ET: 826 mm (32.5 in) |
| Overall width         | 524 mm (20.6 in)                             |
| Overall height        | L: 1629 mm (64.1 in), X: 1756 mm (69.1 in)   |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)     |
| Minimum distance      | 660 mm (26.0 in)                             |
| Steering angle        | 35 deg. each direction                       |

### Dry weight

**F115B** 175 – 185 kg

**FL115B** 179 kg

### Performance

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 84.6 kW (115 ps)        |
| Full throttle operating range | 5300 – 6300 r/min       |
| Idling speed                  | 700 – 800 r/min         |
| Fuel consumption              | (*38.9 L/h @5800 r/min) |
| *. reference data             |                         |

### Engine

|                       |                                                          |  |
|-----------------------|----------------------------------------------------------|--|
| Engine type           | 16-Valve, DOHC, In-line 4                                |  |
| Displacement          | 1832 cm <sup>3</sup>                                     |  |
| Bore × stroke         | 81.0 × 88.9 mm                                           |  |
| Compression ratio     | 10.0 :1                                                  |  |
| Fuel induction system | Fuel injection                                           |  |
| Lubrication system    | Wet sump                                                 |  |
| Engine oil capacity   | 3.2 L / 3.0 L<br>(with / without oil filter replacement) |  |
| Ignition system       | TCI                                                      |  |
| Ignition timing       | —                                                        |  |
| Spark plug            | LKR6E                                                    |  |
| Alternator            | 35 A (battery charging: 27 A)                            |  |
| Cooling system        | Raw-water, thermostatically controlled                   |  |
| Exhaust system        | Through propeller boss                                   |  |

### Bracket / Drive

|                     |                           |                   |
|---------------------|---------------------------|-------------------|
| Trim                | — (continuously variable) |                   |
| Shallow water drive | PTT: variable position    |                   |
| Gear shift          | F-N-R                     |                   |
| Gear ratio          | 2.15 (28/13)              |                   |
| Gear oil capacity   | 0.760 L                   | 0.715 L           |
| Propeller fitting   | Spline                    |                   |
| Propeller rotation  | Clockwise                 | Counter clockwise |
| Shaft length        | EHT: X / ET: L, X         | X                 |

Model Category    General

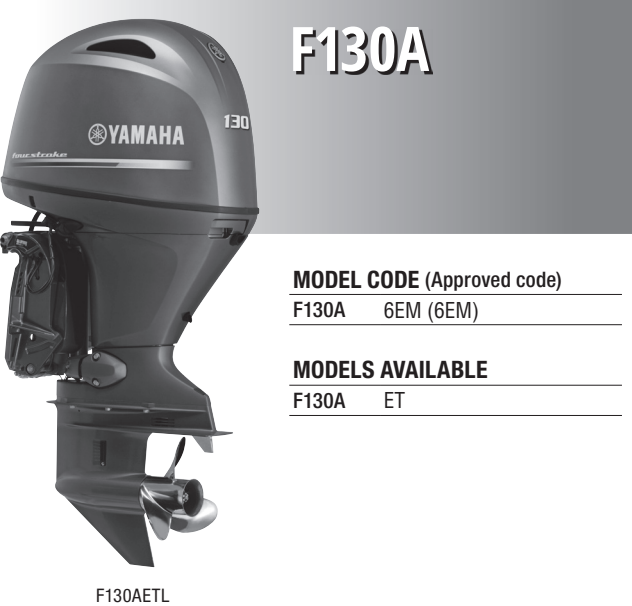
| Feature Table        |                                     | F115B   | FL115B |
|----------------------|-------------------------------------|---------|--------|
| Environment          | Fuel vaporize control system        | ●       | ●      |
|                      | Fuel vapor accumulation system      | ●       | ●      |
|                      | Hydro-carbon gas burning system     | ●       | ●      |
| Security             | Start in gear protection            | ● (EHT) | —      |
|                      | Over rev. limiter                   | ●       | ●      |
|                      | Overheat warning                    | ●       | ●      |
|                      | Anti knocking control               | ●       | ●      |
|                      | Low oil press. warning              | ●       | ●      |
|                      | Fail safe system                    | ●       | ●      |
|                      | Immobilizer adaptation              | ●       | ●      |
| Corrosion prevention | YDIS interface                      | ●       | ●      |
|                      | Stainless steel water pump housing  | ●       | ●      |
|                      | Stainless steel water tube          | ●       | ●      |
|                      | Anodic coated muffler               | ●       | ●      |
| Power unit           | Freshwater flushing device          | ●       | ●      |
|                      | Fuel injection                      | ●       | ●      |
|                      | Recommended Fuel (RON)              | 90      | 90     |
| Control system       | Recommended Fuel (PON)              | 86      | 86     |
|                      | Digital network system (Optional)   | ●       | ●      |
| Convenience          | Variable trolling switch adaptation | ●       | ●      |
|                      | Tilt lock lever                     | ●       | ●      |

| Optional Accessory               | F115B  | FL115B |
|----------------------------------|--------|--------|
| Tilt limiter                     | ● (ET) | ●      |
| Immobilizer                      | ●      | ●      |
| Steering guide attachment        | ● (ET) | ●      |
| Tie bar                          | —      | ●      |
| 6X4 Multi-function tiller handle | ● (ET) | —      |

| Rigging Accessory |                      | F115B  | FL115B |
|-------------------|----------------------|--------|--------|
| Display           | CL5                  | ● (ET) | ●      |
|                   | MFD Interface        | ● (ET) | ●      |
| Gauge             | 6Y5                  | ●      | ●      |
|                   | 6Y7                  | ●      | ●      |
|                   | 6Y8                  | ●      | ●      |
| Switch            | 64D                  | ●      | ●      |
|                   | 6R5                  | ●      | ●      |
|                   | 6K1                  | ●      | ●      |
|                   | 6Y8                  | ●      | ●      |
| Remote control    | 703                  | ● (ET) | ●      |
|                   | 704                  | ● (ET) | ●      |
|                   | 6X3                  | ● (ET) | ●      |
| Propeller         | Black Series         | K/KL   |        |
|                   | K Series             | K/—    |        |
|                   | TALON Series         | K/—    |        |
|                   | TALON GP Series      | K/—    |        |
|                   | TALON SS Series      | K/KL   |        |
|                   | TALON PONTOON Series | K/—    |        |
|                   | TALON SS4 Series     | K/—    |        |

| Consumes          |     | F115B | FL115B |
|-------------------|-----|-------|--------|
| Yamalube gear oil | GL4 | ●     | ●      |
|                   | GL5 | ●     | ●      |

Fuel Injection model



F130A

MODEL CODE (Approved code)

F130A 6EM (6EM)

MODELS AVAILABLE

F130A ET

Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 826 mm (32.5 in)                           |
| Overall width         | 524 mm (20.6 in)                           |
| Overall height        | L: 1629 mm (64.1 in), X: 1756 mm (69.1 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 35 deg. each direction                     |
| Dry weight            | 176 – 180 kg                               |

| Performance                   | F130A                   |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 95.6 kW (130 ps)        |
| Full throttle operating range | 5300 – 6300 r/min       |
| Idling speed                  | 700 – 800 r/min         |
| Fuel consumption              | (*46.2 L/h @6000 r/min) |
| *: reference data             |                         |

| Engine                |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line 4                                |
| Displacement          | 1832 cm <sup>3</sup>                                     |
| Bore × stroke         | 81.0 × 88.9 mm                                           |
| Compression ratio     | 10.0 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 3.2 L/ 3.0 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LKR6E                                                    |
| Alternator            | 35 A (battery charging: 27 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

| Bracket / Drive     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.15 (28/13)              |
| Gear oil capacity   | 0.760 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

4-stroke

Fuel injection

Model Category

General

| Feature Table        | F130A                              |
|----------------------|------------------------------------|
| Environmental        | Fuel vaporize control system       |
|                      | Fuel vapor accumulation system     |
|                      | Hydro carbon gas burning system    |
| Security             | Over rev. limiter                  |
|                      | Overheat warning                   |
|                      | Anti knocking control              |
|                      | Low oil pressure warning           |
|                      | Fail safe system                   |
|                      | Immobilizer adaptation             |
|                      | YDIS interface and connection      |
| Corrosion prevention | YDC30 alloy                        |
|                      | Stainless steel water pump housing |
|                      | Stainless steel water tube         |
|                      | Heavy duty anodized muffler        |
|                      | Freshwater flushing device         |
| Power unit           | Fuel injection                     |
|                      | Recommended Fuel (RON)             |
|                      | Recommended Fuel (PON)             |
| Control system       | Analog meter output                |
|                      | Digital network output             |
|                      | Tilt limiter application           |
|                      | Variable trolling switch control   |
| Bracket              | Light weight single ram PTT        |
| Convenience          | Tilt lock lever                    |

| Optional Accessory               | F130A |
|----------------------------------|-------|
| Tilt limiter                     |       |
| Immobilizer                      |       |
| 6X4 Multi-function tiller handle |       |

| Rigging Accessory | F130A                |
|-------------------|----------------------|
| Display           | CL5                  |
|                   | MFD Interface        |
| Gauge             | 6Y5                  |
|                   | 6Y7                  |
|                   | 6Y8                  |
| Switch            | 64D                  |
|                   | 6R5                  |
|                   | 6K1                  |
|                   | 6Y8                  |
| Remote control    | 703                  |
|                   | 704                  |
|                   | 6X3                  |
| Propeller         | Black Series         |
|                   | K Series             |
|                   | TALON Series         |
|                   | TALON GP Series      |
|                   | TALON SS Series      |
|                   | TALON PONTOON Series |
|                   | TALON SS4 Series     |

| Consumes          | F130A |
|-------------------|-------|
| Yamalube gear oil | GL4   |
|                   | GL5   |



F150DETL

## F150D/FL150D

### MODEL CODE (Approved code)

F150D 63P (63P)

FL150D 64P (64P)

### MODELS AVAILABLE

F150D ET, ET2

FL150D ET, ET2

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 920 mm (36.2 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 222 – 227 kg                               |

### Performance

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 110.3 kW (150 ps)       |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 650 – 750 r/min         |
| Fuel consumption              | (*56.3 L/h @5500 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line 4                               |
| Displacement          | 2670 cm <sup>3</sup>                                    |
| Bore × stroke         | 94.0 × 96.2 mm                                          |
| Compression ratio     | 9.0 :1                                                  |
| Fuel induction system | Fuel injection                                          |
| Lubrication system    | Wet sump                                                |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                     |
| Ignition timing       | —                                                       |
| Spark plug            | LFR5A-11                                                |
| Alternator            | 35 A (battery charging: 21 A)                           |
| Cooling system        | Raw-water, thermostatically controlled                  |
| Exhaust system        | Through propeller boss                                  |

### Bracket / Drive

|                     |                           |                   |
|---------------------|---------------------------|-------------------|
| Trim                | — (continuously variable) |                   |
| Shallow water drive | PTT: variable position    |                   |
| Gear shift          | F-N-R                     |                   |
| Gear ratio          | 2.0 (28/14)               |                   |
| Gear oil capacity   | 0.980 L                   |                   |
| Propeller fitting   | Spline                    |                   |
| Propeller rotation  | Clockwise                 | Counter clockwise |
| Shaft length        | L, X                      |                   |

Model Category      General

| Feature Table        |                                     | F150D | FL150D |
|----------------------|-------------------------------------|-------|--------|
| Environmental        | Fuel vaporize control system        | ●     | ●      |
|                      | Fuel vapor accumulation system      | ●     | ●      |
|                      | Blow-by gas reburning system        | ●     | ●      |
| Security             | Over rev. limiter                   | ●     | ●      |
|                      | Overheat warning                    | ●     | ●      |
|                      | Low oil press. warning              | ●     | ●      |
|                      | Fail safe system                    | ●     | ●      |
|                      | Immobilizer adaptation              | ●     | ●      |
| Corrosion prevention | YDIS interface                      | ●     | ●      |
|                      | Stainless steel water pump housing  | ●     | ●      |
|                      | Anodic coated muffler               | ●     | ●      |
| Power unit           | Freshwater flushing device          | ●     | ●      |
|                      | Fuel injection                      | ●     | ●      |
|                      | Recommended Fuel (RON)              | 90    | 90     |
| Control system       | Recommended Fuel (PON)              | 86    | 86     |
|                      | Digital network system (optional)   | ●     | ●      |
|                      | Variable trolling switch adaptation | ●     | ●      |
| Convenience          | Tilt lock lever                     | ●     | ●      |
|                      | Battery isolator (output)           | ●     | ●      |

| Optional Accessory |  | F150D | FL150D |
|--------------------|--|-------|--------|
| Tilt limiter       |  | ●     | ●      |
|                    |  | ●     | ●      |
|                    |  | ●     | ●      |
|                    |  | —     | ●      |

| Rigging Accessory |                          | F150D | FL150D  |
|-------------------|--------------------------|-------|---------|
| Display           | CL5                      | ●     | ●       |
|                   | MFD Interface            | ●     | ●       |
| Gauge             | 6Y5                      | ●     | ●       |
|                   | 6Y7                      | ●     | ●       |
|                   | 6Y8                      | ●     | ●       |
| Switch            | 64D                      | ●     | ●       |
|                   | 6R5                      | ●     | ●       |
|                   | 6K1                      | ●     | ●       |
|                   | 6Y8                      | ●     | ●       |
| Remote control    | 703                      | ●     | ●       |
|                   | 704                      | ●     | ●       |
|                   | 6X3                      | ●     | ●       |
| Propeller         | Black Series             | M, M2 | ML, ML1 |
|                   | M Series                 | M     | ML      |
|                   | Reliance Series          | M     | ML      |
|                   | Performance 3 SDS Series | M     | ML      |
|                   | Saltwater Series II      | T     | TL      |
|                   | Saltwater Series HS4     | T     | TL      |

| Consumes          |     | F150D | FL150D |
|-------------------|-----|-------|--------|
| Yamalube gear oil | GL4 | ●     | ●      |
|                   | GL5 | ●     | ●      |

# Fuel Injection model



F150LETX

## F150L

### MODEL CODE (Approved code)

|       |           |
|-------|-----------|
| F150L | 6MA (6MA) |
|-------|-----------|

### MODELS AVAILABLE

|       |         |
|-------|---------|
| F150L | ET, ET2 |
|-------|---------|

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 963 mm (38.0 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 642 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 237 – 243 kg                               |

### Performance

### F150L

|                               |                      |
|-------------------------------|----------------------|
| Max. prop shaft output        | 110.3 kW (150 ps)    |
| Full throttle operating range | 5000 – 6000 r/min    |
| Idling speed                  | 650 – 750 r/min      |
| Fuel consumption              | *58.6 L/h@5850 r/min |
| *: reference data             |                      |

### Engine

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line4                                |
| Displacement          | 2670 cm <sup>3</sup>                                    |
| Bore × stroke         | 94.0 × 96.2 mm                                          |
| Compression ratio     | 9.0:1                                                   |
| Fuel induction system | Fuel injection                                          |
| Lubrication system    | Wet sump                                                |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                     |
| Ignition timing       | —                                                       |
| Spark plug            | LFR5A-11                                                |
| Alternator            | 35 A (Charging capacity: 21A)                           |
| Cooling system        | Raw-water, thermostatically controlled                  |
| Exhaust system        | Through propeller boss                                  |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.00 (28/14)              |
| Gear oil capacity   | 0.980 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

General

| Feature Table        | F150L                                |
|----------------------|--------------------------------------|
| Environment          | Fuel vaporize control system         |
|                      | Fuel vapor accumulation system       |
|                      | Hydro-carbon gas burning system      |
| Security             | Over rev. limiter                    |
|                      | Overheat warning                     |
|                      | Anti knocking control                |
|                      | Low oil press. warning               |
|                      | Fail safe system                     |
|                      | Immobilizer adaptation               |
| Corrosion prevention | YDIS interface                       |
|                      | Stainless steel water pump housing   |
|                      | Anodic coated muffler                |
| Power unit           | Freshwater flushing device           |
|                      | Fuel injection                       |
|                      | Recommended Fuel (RON)               |
|                      | Recommended Fuel (PON)               |
| Control system       | Variable cam timing                  |
|                      | Integrated Hydraulic Steering system |
|                      | Digital network system (Optional)    |
|                      | Variable trolling switch adaptation  |
| Convenience          | Tilt lock lever                      |
|                      | Battery isolator (output)            |
|                      | Adapter interface with tilt limit    |

| Optional Accessory        | F150L |
|---------------------------|-------|
| Immobilizer               |       |
| Steering guide attachment |       |
| Tie bar                   |       |

| Rigging Accessory | F150L                    |
|-------------------|--------------------------|
| Display           | CL5                      |
|                   | MFD Interface            |
| Gauge             | 6Y5                      |
|                   | 6Y8                      |
| Switch            | 64D                      |
|                   | 6R5                      |
|                   | 6K1                      |
|                   | 6Y8                      |
| Remote control    | 703                      |
|                   | 704                      |
|                   | 6X3                      |
| Propeller         | Black Series             |
|                   | M Series                 |
|                   | Reliance Series          |
|                   | Performance 3 SDS Series |
|                   | Saltwater Series II      |
|                   | Saltwater Series HS4     |

| Consumes          | F150L |
|-------------------|-------|
| Yamalube gear oil | GL4   |
|                   | GL5   |

# Fuel Injection model



F200QETX

## F200Q

### MODEL CODE (Approved code)

|       |           |
|-------|-----------|
| F200Q | 6LW (6LW) |
|-------|-----------|

### MODELS AVAILABLE

|       |         |
|-------|---------|
| F200Q | ET, ET2 |
|-------|---------|

### Dimension

|                       |                        |
|-----------------------|------------------------|
| Overall length        | 963 mm (38.0 in)       |
| Overall width         | 548 mm (21.6 in)       |
| Overall height        | X: 1869 mm (73.6 in)   |
| Engine transom height | X: 642 mm (25.3 in)    |
| Minimum distance      | 660 mm (26.0 in)       |
| Steering angle        | 32 deg. each direction |
| Dry weight            | 241 kg                 |

### Performance

### F200Q

|                               |                   |
|-------------------------------|-------------------|
| Max. prop shaft output        | 147.1 kW (200 ps) |
| Full throttle operating range | 5000 – 6000 r/min |
| Idling speed                  | 650 – 750 r/min   |
| Fuel consumption              | *72.4 L/h         |
| *: reference data             | @5700 r/min       |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line4                                 |
| Displacement          | 2785 cm <sup>3</sup>                                     |
| Bore × stroke         | 96.0 × 96.2 mm                                           |
| Compression ratio     | 10.3:1                                                   |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LFR6A-11                                                 |
| Alternator            | 50 A (Charging capacity: 42A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 1.86 (26/14)                  |
| Gear oil capacity   | 0.980 L                       |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X                             |

Model Category    General

| Feature Table        | F200Q                                  |
|----------------------|----------------------------------------|
| Environment          | Fuel vaporize control system •         |
|                      | Fuel vapor accumulation system •       |
|                      | Hydro-carbon gas burning system •      |
| Security             | Over rev. limiter •                    |
|                      | Overheat warning •                     |
|                      | Anti knocking control •                |
|                      | Low oil press. warning •               |
|                      | Fail safe system •                     |
|                      | Immobilizer adaptation •               |
| Corrosion prevention | YDIS interface •                       |
|                      | Stainless steel water pump housing •   |
|                      | Anodic coated muffler •                |
|                      | Freshwater flushing device •           |
| Power unit           | Fuel injection •                       |
|                      | Recommended Fuel (RON) 94              |
|                      | Recommended Fuel (PON) 89              |
|                      | Variable cam timing •                  |
| Control system       | Integrated Hydraulic Steering system • |
|                      | Digital network system (Optional) •    |
|                      | Variable trolling switch adaptation •  |
| Convenience          | Tilt lock lever •                      |
|                      | Battery isolator (output) •            |
|                      | Adapter interface with tilt limit •    |

| Optional Accessory        | F200Q |
|---------------------------|-------|
| Immobilizer               | •     |
| Steering guide attachment | •     |
| Tie bar                   | •     |

| Rigging Accessory | F200Q                         |
|-------------------|-------------------------------|
| Display           | CL5 •                         |
|                   | MFD Interface •               |
| Gauge             | 6Y5 •                         |
|                   | 6Y8 •                         |
| Switch            | 64D •                         |
|                   | 6R5 •                         |
|                   | 6K1 •                         |
|                   | 6Y8 •                         |
| Remote control    | 703 •                         |
|                   | 704 •                         |
|                   | 6X3 •                         |
| Propeller         | Black Series M, M2/ML, ML1    |
|                   | M Series M/ML                 |
|                   | Reliance Series M/ML          |
|                   | Performance 3 SDS Series M/ML |
|                   | Saltwater Series II T/TL      |
|                   | Saltwater Series HS4 T/TL     |

| Consumes          | F200Q |
|-------------------|-------|
| Yamalube gear oil | GL4 • |
|                   | GL5 • |

# Fuel Injection model



FL200FETX

## F175A F200F FL200F

### MODEL CODE (Approved code)

|        |           |
|--------|-----------|
| F175A  | 6FA (6FA) |
| F200F  | 6DA (6DA) |
| FL200F | 6DB (6DB) |

### MODELS AVAILABLE

|                |         |
|----------------|---------|
| F175A          | ET, ET2 |
| F200F / FL200F | ET, ET2 |

### Dimension

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Overall length        | 920 mm (36.2 in)                                                |
| Overall width         | 548 mm (21.6 in)                                                |
| Overall height        | L: 1742 mm (68.6 in),<br>X: 1869 mm (73.6 in) (FL200F: X)       |
| Engine transom height | L: 516 mm (20.3 in),<br>X: 643 mm (25.3 in) (FL200F: X)         |
| Minimum distance      | 660 mm (26.0 in)                                                |
| Steering angle        | 32 deg. each direction                                          |
| Dry weight            | <b>F175A</b> 224 , 225 kg<br><b>F200F / FL200F</b> 226 , 227 kg |

| Performance                   | F175A             | F200F / FL200F    |
|-------------------------------|-------------------|-------------------|
| Max. prop shaft output        | 128.7 kW (175 ps) | 147.1 kW (200 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |
| Idling speed                  | 650 – 750 r/min   |                   |
| Fuel consumption              | *62.2 L/h         | *72.0 L/h         |
| *: reference data             | @5500 r/min       | @6000 r/min       |

### Engine

|                       |                                                          |                                       |
|-----------------------|----------------------------------------------------------|---------------------------------------|
| Engine type           | 16-Valve,<br>DOHC, In-line 4                             | 16-Valve, DOHC with<br>VCT, In-line 4 |
| Displacement          | 2785 cm <sup>3</sup>                                     |                                       |
| Bore × stroke         | 96.0 × 96.2 mm                                           |                                       |
| Compression ratio     | 10.3 :1                                                  |                                       |
| Fuel induction system | Fuel injection                                           |                                       |
| Lubrication system    | Wet sump                                                 |                                       |
| Engine oil capacity   | 4.5 L / 4.3 L<br>(with / without oil filter replacement) |                                       |
| Ignition system       | TCI                                                      |                                       |
| Ignition timing       | —                                                        |                                       |
| Spark plug            | LFR6A-11                                                 |                                       |
| Alternator            | 50 A (battery charging: 42 A)                            |                                       |
| Cooling system        | Raw-water, thermostatically controlled                   |                                       |
| Exhaust system        | Through propeller boss                                   |                                       |

### Bracket / Drive

|                     |                           |                                  |
|---------------------|---------------------------|----------------------------------|
| Trim                | — (continuously variable) |                                  |
| Shallow water drive | PTT: variable position    |                                  |
| Gear shift          | F-N-R                     |                                  |
| Gear ratio          | 1.86 (26/14)              |                                  |
| Gear oil capacity   | 0.980 L                   |                                  |
| Propeller fitting   | Spline                    |                                  |
| Propeller rotation  | Clockwise                 | Clockwise /<br>Counter clockwise |
| Shaft length        | L, X                      | L, X (FL200F: X)                 |

| Model Category       |                                     | General |                  |
|----------------------|-------------------------------------|---------|------------------|
| Feature Table        |                                     | F175A   | F200F/<br>FL200F |
| Environment          | Fuel vaporize control system        | •       | •                |
|                      | Fuel vapor accumulation system      | •       | •                |
|                      | Hydro-carbon gas burning system     | •       | •                |
| Security             | Over rev. limiter                   | •       | •                |
|                      | Overheat warning                    | •       | •                |
|                      | Anti knocking control               | •       | •                |
|                      | Low oil press. warning              | •       | •                |
|                      | Fail safe system                    | •       | •                |
|                      | Immobilizer adaptation              | •       | •                |
| Corrosion prevention | YDIS interface                      | •       | •                |
|                      | Stainless steel water pump housing  | •       | •                |
|                      | Anodic coated muffler               | •       | •                |
| Power unit           | Freshwater flushing device          | •       | •                |
|                      | Fuel injection                      | •       | •                |
|                      | Recommended Fuel (RON)              | 90      | 94               |
|                      | Recommended Fuel (PON)              | 86      | 89               |
|                      | Variable cam timing                 | —       | •                |
| Control system       | Digital network system (Optional)   | •       | •                |
|                      | Variable trolling switch adaptation | •       | •                |
| Convenience          | Tilt lock lever                     | •       | •                |
|                      | Battery isolator (output)           | •       | •                |

| Optional Accessory        |  | F175A | F200F | FL200F |
|---------------------------|--|-------|-------|--------|
| Tilt limiter              |  | •     | •     | •      |
|                           |  | •     | •     | •      |
|                           |  | •     | •     | •      |
|                           |  | •     | •     | •      |
| Immobilizer               |  | •     | •     | •      |
| Steering guide attachment |  | •     | •     | •      |
| Tie bar                   |  | —     | —     | •      |

| Rigging Accessory |                          | F175A | F200F | FL200F  |
|-------------------|--------------------------|-------|-------|---------|
| Display           | CL5                      | •     | •     | •       |
|                   | MFD Interface            | •     | •     | •       |
| Gauge             | 6Y5                      | •     | •     | •       |
|                   | 6Y8                      | •     | •     | •       |
| Switch            | 64D                      | •     | •     | •       |
|                   | 6R5                      | •     | •     | •       |
|                   | 6K1                      | •     | •     | •       |
|                   | 6Y8                      | •     | •     | •       |
| Remote control    | 703                      | •     | •     | •       |
|                   | 704                      | •     | •     | •       |
|                   | 6X3                      | •     | •     | •       |
| Propeller         | Black Series             | M, M2 | M, M2 | ML, ML1 |
|                   | M Series                 | M     | M     | ML      |
|                   | Reliance Series          | M     | M     | ML      |
|                   | Performance 3 SDS Series | M     | M     | ML      |
|                   | Saltwater Series II      | T     | T     | TL      |
|                   | Saltwater Series HS4     | T     | T     | TL      |

| Consumes          |     | F175A | F200F | FL200F |
|-------------------|-----|-------|-------|--------|
| Yamalube gear oil | GL4 | •     | •     | •      |
|                   | GL5 | •     | •     | •      |

# Fuel Injection model



F200CETX

## F200C/FL200C F225B/FL225B

### MODEL CODE (Approved code)

|        |           |
|--------|-----------|
| F200C  | 6AL (6AL) |
| FL200C | 6AM (6AM) |
| F225B  | 6AS (6AS) |
| FL225B | 6AT (6AT) |

### MODELS AVAILABLE

|                |    |
|----------------|----|
| F200C / FL200C | ET |
| F225B / FL225B | ET |

### Dimension

|                       |                        |
|-----------------------|------------------------|
| Overall length        | 870 mm (34.3 in)       |
| Overall width         | 634 mm (25.0 in)       |
| Overall height        | X: 1830 mm (72.0 in)   |
| Engine transom height | X: 643 mm (25.3 in)    |
| Minimum distance      | 724 mm (28.5 in)       |
| Steering angle        | 32 deg. each direction |
| Dry weight            | 283 kg                 |

| Performance                   | F200C / FL200C    | F225B / FL225B    |
|-------------------------------|-------------------|-------------------|
| Max. prop shaft output        | 147.1 kW (200 ps) | 165.5 kW (225 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |
| Idling speed                  | 600 – 700 r/min   |                   |
| Fuel consumption              | *63.5 L/h         | *70.5 L/h         |
| *: reference data             | @5500 r/min       | @5500 r/min       |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 24-Valve, DOHC with VCT, 60 deg. V6                      |
| Displacement          | 3352 cm <sup>3</sup>                                     |
| Bore × stroke         | 94.0 × 80.5 mm                                           |
| Compression ratio     | 9.9 :1                                                   |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 4.7 L / 4.5 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LFR6A-11                                                 |
| Alternator            | 46 A (battery charging: 27 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 2.0 (26/13)                   |
| Gear oil capacity   | 1.150 L / 1.000 L             |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X                             |

| Model Category          |                                    | General          |                  |
|-------------------------|------------------------------------|------------------|------------------|
| Feature Table           |                                    | F200C/<br>FL200C | F225B/<br>FL225B |
| Environment             | Fuel vaporize control system       | •                | •                |
|                         | Fuel vapor accumulation system     | •                | •                |
|                         | Hydro-carbon gas burning system    | •                | •                |
| Security                | Over rev. limiter                  | •                | •                |
|                         | Overheat warning                   | •                | •                |
|                         | Anti knocking control              | •                | •                |
|                         | Low oil press. warning             | •                | •                |
|                         | Fail safe system                   | •                | •                |
| Corrosion<br>prevention | YDIS interface                     | •                | •                |
|                         | Stainless steel water pump housing | •                | •                |
|                         | Stainless steel water tube         | •                | •                |
|                         | Anodic coated muffler              | •                | •                |
| Power unit              | Freshwater flushing device         | •                | •                |
|                         | Fuel injection                     | •                | •                |
|                         | Recommended Fuel (RON)             | 90               | 90               |
|                         | Recommended Fuel (PON)             | 86               | 86               |
| Control<br>system       | Variable cam timing                | •                | •                |
|                         | Digital network system (Optional)  | •                | •                |
| Convenience             | Tilt lock lever                    | •                | •                |
|                         | Battery isolator (output)          | •                | •                |

| Optional Accessory        | F200C/<br>FL200C           | F225B/<br>FL225B |
|---------------------------|----------------------------|------------------|
| Steering guide attachment | •                          | •                |
| Tie bar                   | •<br>(except F200C, F225B) | •                |

| Rigging Accessory |                          | F200C/<br>FL200C        | F225B/<br>FL225B        |
|-------------------|--------------------------|-------------------------|-------------------------|
| Display           | CL5                      | •                       | •                       |
|                   | MFD Interface            | •                       | •                       |
| Gauge             | 6Y5                      | •                       | •                       |
|                   | 6Y8                      | •                       | •                       |
| Switch            | 64D                      | •                       | •                       |
|                   | 6R5                      | •                       | •                       |
|                   | 6K1                      | •                       | •                       |
|                   | 6Y8                      | •                       | •                       |
| Remote<br>control | 703                      | •                       | •                       |
|                   | 704                      | •                       | •                       |
|                   | 6X3                      | •                       | •                       |
| Propeller         | Black Series             | M, M2, T/ML,<br>ML1, TL | M, M2, T/ML,<br>ML1, TL |
|                   | M Series                 | M/ML                    | M/ML                    |
|                   | Reliance Series          | M/ML                    | M/ML                    |
|                   | Performance 3 SDS Series | M/ML                    | M/ML                    |
|                   | Saltwater Series II      | T/TL                    | T/TL                    |
|                   | Saltwater Series HS4     | T/TL                    | T/TL                    |

| Consumes          |     | F200C/<br>FL200C | F225B/<br>FL225B |
|-------------------|-----|------------------|------------------|
| Yamalube gear oil | GL4 | •                | •                |
|                   | GL5 | •                | •                |



F200GETX

## F150G/FL150G F175C/FL175C F200G/FL200G

### MODEL CODE (Approved code)

|        |           |
|--------|-----------|
| F150G  | 6HP (6HP) |
| FL150G | 6HR (6HR) |
| F175C  | 6HS (6HS) |
| FL175C | 6HT (6HT) |
| F200G  | 6DV (6DV) |
| FL200G | 6DW (6DW) |

### MODELS AVAILABLE

|                |         |
|----------------|---------|
| F150G / FL150G | ET, ET2 |
| F175C / FL175C | ET, ET2 |
| F200G / FL200G | ET, ET2 |

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 920 mm (36.2 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 226 – 228 kg                               |

| Performance                   | F150G / FL150G    | F175C / FL175C    | F200G / FL200G    |
|-------------------------------|-------------------|-------------------|-------------------|
| Max. prop shaft output        | 110.3 kW (150 ps) | 128.7 kW (175 ps) | 147.1 kW (200 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |                   |
| Idling speed                  | 650 – 750 r/min   |                   |                   |
| Fuel consumption              | *57.7 L/h         | *62.2 L/h         | *72.0 L/h         |
| *: reference data             | @6000 r/min       | @5500 r/min       | @6000 r/min       |

### Engine

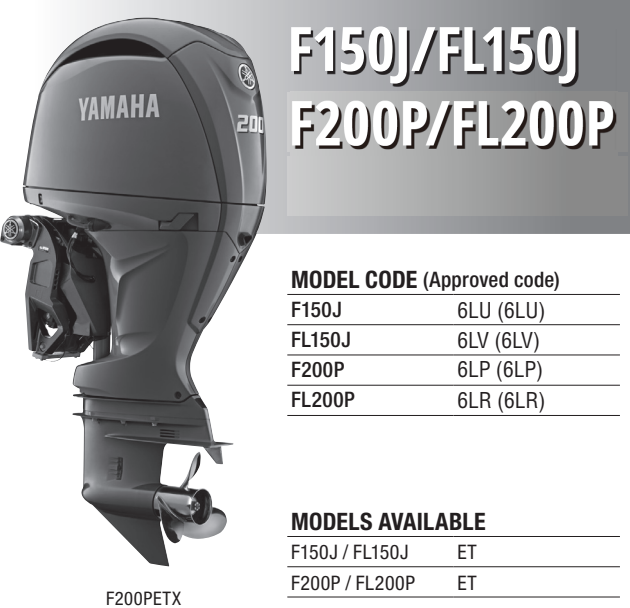
|                       |                                                      |                                   |
|-----------------------|------------------------------------------------------|-----------------------------------|
| Engine type           | 16-Valve, DOHC, In-line4                             | 16-Valve, DOHC with VCT, In-line4 |
| Displacement          | 2785 cm <sup>3</sup>                                 |                                   |
| Bore × stroke         | 96.0 × 96.2 mm                                       |                                   |
| Compression ratio     | 10.3 :1                                              |                                   |
| Fuel induction system | Fuel injection                                       |                                   |
| Lubrication system    | Wet sump                                             |                                   |
| Engine oil capacity   | 4.5 L/ 4.3 L (with / without oil filter replacement) |                                   |
| Ignition system       | TCI                                                  |                                   |
| Ignition timing       | —                                                    |                                   |
| Spark plug            | LFR6A-11                                             |                                   |
| Alternator            | 50 A                                                 |                                   |
| Cooling system        | Raw-water, thermostatically controlled               |                                   |
| Exhaust system        | Through propeller boss                               |                                   |

### Bracket / Drive

|                     |                               |              |      |
|---------------------|-------------------------------|--------------|------|
| Trim                | — (continuously variable)     |              |      |
| Shallow water drive | PTT: variable position        |              |      |
| Gear shift          | F-N-R                         |              |      |
| Gear ratio          | 2.00 (28/14)                  | 1.86 (26/14) |      |
| Gear oil capacity   | 0.980 L                       |              |      |
| Propeller fitting   | Spline                        |              |      |
| Propeller rotation  | Clockwise / Counter clockwise |              |      |
| Shaft length        | L/X, X                        | L/X, X       | L, X |

| Model Category       |                                              | General          |                  |                  |
|----------------------|----------------------------------------------|------------------|------------------|------------------|
| Feature Table        |                                              | F150G/<br>FL150G | F175C/<br>FL175C | F200G/<br>FL200G |
| Environment          | Fuel vaporize control system                 | •                | •                | •                |
|                      | Fuel vapor accumulation system               | •                | •                | •                |
|                      | Hydro-carbon gas burning system              | •                | •                | •                |
| Security             | Over rev. limiter                            | •                | •                | •                |
|                      | Overheat warning                             | •                | •                | •                |
|                      | Anti knocking control                        | •                | •                | •                |
|                      | Low oil press. warning                       | •                | •                | •                |
|                      | Fail safe system                             | •                | •                | •                |
|                      | Immobilizer adaptation                       | •                | •                | •                |
| Corrosion prevention | YDIS interface                               | •                | •                | •                |
|                      | Stainless steel water pump housing           | •                | •                | •                |
|                      | Anodic coated muffler                        | •                | •                | •                |
|                      | Freshwater flushing device                   | •                | •                | •                |
| Power unit           | Fuel injection                               | •                | •                | •                |
|                      | Recommended Fuel (RON)                       | 90               | 90               | 94               |
|                      | Recommended Fuel (PON)                       | 86               | 86               | 89               |
|                      | Variable cam timing                          | —                | —                | •                |
|                      | Digital Electronic Control (DEC)             | •                | •                | •                |
| Control system       | Digital Electronic Steering (DES) (optional) | Bolt-on          | Bolt-on          | Bolt-on          |
|                      | Digital network system (optional)            | •                | •                | •                |
|                      | Digital network system II (optional)         | •                | •                | •                |
|                      | One-touch start/stop control                 | •                | •                | •                |
|                      | Variable trolling switch adaptation          | •                | •                | •                |
|                      | Tilt lock lever                              | •                | •                | •                |
| Convenience          | Battery isolator (output)                    | •                | •                | •                |

| Optional Accessory         |                             | F150G/<br>FL150G             | F175C/<br>FL175C | F200G/<br>FL200G |
|----------------------------|-----------------------------|------------------------------|------------------|------------------|
| Tilt limiter               |                             | •                            | •                | •                |
| Immobilizer                |                             | •                            | •                | •                |
| Steering guide attachment  |                             | •                            | •                | •                |
| Tie bar                    |                             | •                            | •                | •                |
|                            |                             | (except F150G, F175C, F200G) |                  |                  |
| Rigging Accessory          |                             | F150G/<br>FL150G             | F175C/<br>FL175C | F200G/<br>FL200G |
| Display                    | CL5                         | •                            | •                | •                |
|                            | MFD Interface               | •                            | •                | •                |
| Gauge                      | 6Y8                         | •                            | •                | •                |
|                            | 6X9 (EKS)                   | •                            | •                | •                |
| Switch                     | 6X6                         | •                            | •                | •                |
|                            | 64D                         | •                            | •                | •                |
| Remote control             | 6X9 (DEC)                   | •                            | •                | •                |
| Helm/Tilt unit             | 6GR                         | •                            | •                | •                |
|                            | 6X9                         | •                            | •                | •                |
| Autopilot (Helm Master EX) | Autopilot panel             | •                            | •                | •                |
|                            | GPS unit                    | •                            | •                | •                |
|                            | Heading sensor              | •                            | •                | •                |
|                            | BCU                         | •                            | •                | •                |
| Joystick (Helm Master EX)  | Joystick controller         | •                            | •                | •                |
|                            | LED assy (Propeller. light) | •                            | •                | •                |
| Propeller                  | Black Series                | M, M2/ML, ML1                | M, M2/ML, ML1    | M, M2/ML, ML1    |
|                            | M Series                    | M/ML                         | M/ML             | M/ML             |
|                            | Reliance Series             | M/ML                         | M/ML             | M/ML             |
|                            | Performance 3 SDS Series    | M/ML                         | M/ML             | M/ML             |
|                            | Saltwater Series II         | T/TL                         | T/TL             | T/TL             |
|                            | Saltwater Series HS4        | T/TL                         | T/TL             | T/TL             |
| Consumes                   |                             | F150G/<br>FL150G             | F175C/<br>FL175C | F200G/<br>FL200G |
| Yamalube gear oil          | GL4                         | •                            | •                | •                |
|                            | GL5                         | •                            | •                | •                |



**F150J/FL150J**  
**F200P/FL200P**

**MODEL CODE** (Approved code)

|        |           |
|--------|-----------|
| F150J  | 6LU (6LU) |
| FL150J | 6LV (6LV) |
| F200P  | 6LP (6LP) |
| FL200P | 6LR (6LR) |

**MODELS AVAILABLE**

|                |    |
|----------------|----|
| F150J / FL150J | ET |
| F200P / FL200P | ET |

**Dimension**

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 963 mm (38.0 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 642 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 240 – 242 kg                               |

| Performance                   | F150J / FL150J    | F200P / FL200P    |
|-------------------------------|-------------------|-------------------|
| Max. prop shaft output        | 110.3 kW (150 ps) | 147.1 kW (200 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |
| Idling speed                  | 650 – 750 r/min   |                   |
| Fuel consumption              | *56.7 L/h         | *72.4 L/h         |
| <i>*: reference data</i>      | @6000 r/min       | @5700 r/min       |

**Engine**

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line4                              |
| Displacement          | 2785 cm <sup>3</sup>                                  |
| Bore × stroke         | 96.0 × 96.2 mm                                        |
| Compression ratio     | 10.3:1                                                |
| Fuel induction system | Fuel injection                                        |
| Lubrication system    | Wet sump                                              |
| Engine oil capacity   | 4.5 L/ 4.3 L (with / without oil fi lter replacement) |
| Ignition system       | TCI                                                   |
| Ignition timing       | —                                                     |
| Spark plug            | LFR6A-11                                              |
| Alternator            | 50 A (Charging capacity: 38A)                         |
| Cooling system        | Raw-water, thermostatically controlled                |
| Exhaust system        | Through propeller boss                                |

**Bracket / Drive**

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 2.00 (28/14) 1.86 (26/14)     |
| Gear oil capacity   | 0.980 L                       |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | L, X L, X                     |

| Model Category       |                                              | General          |                  |
|----------------------|----------------------------------------------|------------------|------------------|
| Feature Table        |                                              | F150J/<br>FL150J | F200P/<br>FL200P |
| Environment          | Fuel vaporize control system                 | •                | •                |
|                      | Fuel vapor accumulation system               | •                | •                |
|                      | Hydro-carbon gas burning system              | •                | •                |
| Security             | Over rev. limiter                            | •                | •                |
|                      | Overheat warning                             | •                | •                |
|                      | Anti knocking control                        | •                | •                |
|                      | Low oil press. warning                       | •                | •                |
|                      | Fail safe system                             | •                | •                |
|                      | Immobilizer adaptation                       | •                | •                |
| Corrosion prevention | YDIS interface                               | •                | •                |
|                      | Stainless steel water pump housing           | •                | •                |
|                      | Anodic coated muffler                        | •                | •                |
| Power unit           | Freshwater flushing device                   | •                | •                |
|                      | Fuel injection                               | •                | •                |
|                      | Recommended Fuel (RON)                       | 90               | 94               |
|                      | Recommended Fuel (PON)                       | 86               | 89<br>(FL200P)   |
|                      | Variable cam timing                          | —                | •                |
| Control system       | Digital Electronic Control (DEC)             | •                | •                |
|                      | Digital Electronic Steering (DES) (Optional) | —                | —                |
|                      | Integrated Hydraulic Steering system         | •                | •                |
|                      | Digital network system (Optional)            | •                | •                |
|                      | Digital network system II (Optional)         | •                | •                |
|                      | One-touch start/stop control                 | •                | •                |
|                      | Variable trolling switch adaptation          | •                | •                |
|                      | TotalTilt Function                           | •                | •                |
|                      | Tilt lock lever                              | •                | •                |
| Convenience          | Battery isolator (output)                    | •                | •                |

| Optional Accessory        | F150J/<br>FL150J | F200P/<br>FL200P |
|---------------------------|------------------|------------------|
| Immobilizer               | •                | •                |
| Steering guide attachment | •                | •                |
| Tie bar                   | •                | •                |

| Rigging Accessory             |                                | F150J/<br>FL150J  | F200P/<br>FL200P  |
|-------------------------------|--------------------------------|-------------------|-------------------|
| Display                       | CL5                            | •                 | •                 |
|                               | MFD Interface                  | •                 | •                 |
| Gauge                         | 6Y8                            | •                 | •                 |
|                               | 6X9 (EKS)                      | •                 | •                 |
| Switch                        | 6X6                            | •                 | •                 |
|                               | 64D                            | •                 | •                 |
| Remote control                | 6X9 (DEC)                      | •                 | •                 |
| Helm/Tilt unit                | 6GR                            | —                 | —                 |
|                               | 6X9                            | —                 | —                 |
| Autopilot<br>(Helm Master EX) | Autopilot panel                | —                 | —                 |
|                               | GPS unit                       | —                 | —                 |
|                               | Heading sensor                 | —                 | —                 |
| Joystick<br>(Helm Master EX)  | BCU                            | —                 | —                 |
|                               | Joystick controller            | —                 | —                 |
|                               | LED assy<br>(Propeller. light) | —                 | —                 |
| Propeller                     | Black Series                   | M, M2/<br>ML, ML1 | M, M2/<br>ML, ML1 |
|                               | M Series                       | M/ML              | M/ML              |
|                               | Reliance Series                | M/ML              | M/ML              |
|                               | Performance 3 SDS Series       | M/ML              | M/ML              |
|                               | Saltwater Series II            | T/TL              | T/TL              |
|                               | Saltwater Series HS4           | T/TL              | T/TL              |

| Consumes          |     | F150J/<br>FL150J | F200P/<br>FL200P |
|-------------------|-----|------------------|------------------|
| Yamalube gear oil | GL4 | •                | •                |
|                   | GL5 | •                | •                |



F300BETX

## F225F/FL225F F250D/FL250D F300B/FL300B

### MODEL CODE (Approved code)

|         |           |
|---------|-----------|
| F225F   | 6CL (6CL) |
| FL225F* | 6CM (6CM) |
| F250D   | 6CG (6CG) |
| FL250D* | 6CH (6CH) |
| F300B   | 6CE (6CE) |
| FL300B  | 6CF (6CF) |

### MODELS AVAILABLE

|                 |    |
|-----------------|----|
| F225F / FL225F* | ET |
| F250D / FL250D* | ET |
| F300B / FL300B  | ET |

\* : JPN Only

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 958 mm (37.7 in)                           |
| Overall width         | 634 mm (25.0 in)                           |
| Overall height        | X: 1890 mm (74.4 in), U: 2017 mm (79.4 in) |
| Engine transom height | X: 643 mm (25.3 in), U: 770 mm (30.3 in)   |
| Minimum distance      | 724 mm (28.5 in)                           |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 260 – 268 kg                               |

| Performance                   | F225F / FL225F    | F250D / FL250D    | F300B / FL300B    |
|-------------------------------|-------------------|-------------------|-------------------|
| Max. prop shaft output        | 165.5 kW (225 ps) | 183.8 kW (250 ps) | 220.6 kW (300 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |                   |
| Idling speed                  | 650 – 750 r/min   |                   |                   |
| Fuel consumption              | *75.5 L/h         | *83.9 L/h         | *96.6 L/h         |
| *: reference data             | @5500 r/min       | @5500 r/min       | @5500 r/min       |

### Engine

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Engine type           | 24-Valve, DOHC with VCT, 60 deg. V6                   |
| Displacement          | 4169 cm <sup>3</sup>                                  |
| Bore × stroke         | 96.0 × 96.0 mm                                        |
| Compression ratio     | 10.3 :1                                               |
| Fuel induction system | Fuel injection                                        |
| Lubrication system    | Wet sump                                              |
| Engine oil capacity   | 6.3 L / 6.0 L (with / without oil filter replacement) |
| Ignition system       | TCI                                                   |
| Ignition timing       | —                                                     |
| Spark plug            | LFR6A-11                                              |
| Alternator            | 70 A (battery charging: 55 A)                         |
| Cooling system        | Raw-water, thermostatically controlled                |
| Exhaust system        | Through propeller boss                                |

### Bracket / Drive

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 1.75 (21/12)                  |
| Gear oil capacity   | 1.040 L                       |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X, U (FL225F, FL250D: X)      |

| Model Category       |                                              | General          |                  |                  |
|----------------------|----------------------------------------------|------------------|------------------|------------------|
| Feature Table        |                                              | F225F/<br>FL225F | F250D/<br>FL250D | F300B/<br>FL300B |
| Environment          | Fuel vaporize control system                 | •                | •                | •                |
|                      | Fuel vapor accumulation system               | •                | •                | •                |
|                      | Hydro-carbon gas burning system              | •                | •                | •                |
| Security             | Over rev. limiter                            | •                | •                | •                |
|                      | Overheat warning                             | •                | •                | •                |
|                      | Anti knocking control                        | •                | •                | •                |
|                      | Low oil press. warning                       | •                | •                | •                |
|                      | Fail safe system                             | •                | •                | •                |
|                      | Immobilizer adaptation                       | •                | •                | •                |
|                      | YDIS interface                               | •                | •                | •                |
| Corrosion prevention | Dual water inlet                             | •                | •                | •                |
|                      | Prop damper cooler                           | •                | •                | •                |
|                      | Stainless steel water pump housing           | •                | •                | •                |
| Power unit           | Anodic coated muffler                        | •                | •                | •                |
|                      | Freshwater flushing device                   | •                | •                | •                |
|                      | Fuel injection                               | •                | •                | •                |
|                      | Recommended Fuel (RON)                       | 90               | 90               | 94               |
|                      | Recommended Fuel (PON)                       | 86               | 86               | 89               |
| Control system       | Plasma fused sleeves cylinder                | •                | •                | •                |
|                      | Variable cam timing                          | •                | •                | •                |
|                      | Digital Electronic Control (DEC)             | •                | •                | •                |
|                      | Digital Electronic Steering (DES) (Optional) | Bolt-on          | Bolt-on          | Bolt-on          |
|                      | Digital network system (Optional)            | •                | •                | •                |
|                      | Digital network system II (Optional)         | •                | •                | •                |
|                      | One-touch start/stop control                 | •                | •                | •                |
| Convenience          | Variable trolling switch adaptation          | •                | •                | •                |
|                      | Tilt lock lever                              | •                | •                | •                |
|                      | Battery isolator (output)                    | •                | •                | •                |

| Optional Accessory        | F225F/<br>FL225F | F250D/<br>FL250D | F300B/<br>FL300B |
|---------------------------|------------------|------------------|------------------|
| Tilt limiter              | •                | •                | •                |
| Immobilizer               | •                | •                | •                |
| Steering guide attachment | •                | •                | •                |

| Rigging Accessory          | F225F/<br>FL225F            | F250D/<br>FL250D | F300B/<br>FL300B |
|----------------------------|-----------------------------|------------------|------------------|
| Display                    | CL5                         | •                | •                |
|                            | MFD Interface               | •                | •                |
| Gauge                      | 6Y8                         | •                | •                |
|                            | 6X9 (EKS)                   | •                | •                |
| Switch                     | 6X6                         | •                | •                |
|                            | 64D                         | •                | •                |
| Remote control             | 6X9 (DEC)                   | •                | •                |
| Helm/Tilt unit             | 6GR                         | •                | •                |
|                            | 6X9                         | •                | •                |
| Autopilot (Helm Master EX) | Autopilot panel             | •                | •                |
|                            | GPS unit                    | •                | •                |
|                            | Heading sensor              | •                | •                |
|                            | BCU                         | •                | •                |
| Joystick (Helm Master EX)  | Joystick controller         | •                | •                |
|                            | LED assy (Propeller. light) | •                | •                |
| Propeller                  | Reliance Series             | M/ML             | M/ML             |
|                            | Performance 3 SDS Series    | M/ML             | M/ML             |
|                            | Saltwater Series II         | T/TL             | T/TL             |
|                            | Saltwater Series II HP      | T/TL             | T/TL             |
|                            | Saltwater Series HS4        | T/TL             | T/TL             |

| Consumes              | F225F/<br>FL225F | F250D/<br>FL250D | F300B/<br>FL300B |
|-----------------------|------------------|------------------|------------------|
| Yamalube gear oil GL5 | •                | •                | •                |



F300GETX

## F225J/FL225J F250P/FL250P F300G/FL300G

### MODEL CODE (Approved code)

|        |           |
|--------|-----------|
| F225J  | 6KK (6KK) |
| FL225J | 6KL (6KL) |
| F250P  | 6KH (6KH) |
| FL250P | 6KJ (6KJ) |
| F300G  | 6KF (6KF) |
| FL300G | 6KG (6KG) |

### MODELS AVAILABLE

|                |                 |
|----------------|-----------------|
| F225J / FL225J | ET, ET2 (F225J) |
| F250P / FL250P | ET, ET2         |
| F300G / FL300G | ET, ET2         |

### Dimension

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Overall length        | 1026 mm (40.4 in)                                                   |
| Overall width         | 634 mm (25.0 in)                                                    |
| Overall height        | X: 1893 mm (74.5 in), U: 2020 mm (79.5 in),<br>E: 2147 mm (84.5 in) |
| Engine transom height | X: 643 mm (25.3 in), U: 770 mm (30.3 in),<br>E: 897 mm (35.3 in)    |
| Minimum distance      | 724 mm (28.5 in)                                                    |
| Steering angle        | 32 deg. each direction                                              |
| Dry weight            | 263 – 273 kg                                                        |

| Performance                   | F225J / FL225J    | F250P / FL250P    | F300G / FL300G    |
|-------------------------------|-------------------|-------------------|-------------------|
| Max. prop shaft output        | 165.5 kW (225 ps) | 183.8 kW (250 ps) | 220.6 kW (300 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |                   |
| Idling speed                  | 650 – 750 r/min   |                   |                   |
| Fuel consumption              | *75.5 L/h         | *83.9 L/h         | *96.6 L/h         |
| *: reference data             | @5500 r/min       | @5500 r/min       | @5500 r/min       |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 24-Valve, DOHC with VCT, 60 deg. V6                      |
| Displacement          | 4169 cm <sup>3</sup>                                     |
| Bore × stroke         | 96.0 × 96.0 mm                                           |
| Compression ratio     | 10.3 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 6.3 L / 6.0 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LFR6A-11                                                 |
| Alternator            | 70 A (battery charging: 55 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 1.75 (21/12)                  |
| Gear oil capacity   | 0.925 L / 0.885 L             |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X, U, E                       |

**Model Category** General

| <b>Feature Table</b>        |                                              | <b>F225J/<br/>FL225J</b> | <b>F250P/<br/>FL250P</b> | <b>F300G/<br/>FL300G</b> |
|-----------------------------|----------------------------------------------|--------------------------|--------------------------|--------------------------|
| <b>Environment</b>          | Fuel vaporize control system                 | •                        | •                        | •                        |
|                             | Fuel vapor accumulation system               | •                        | •                        | •                        |
|                             | Hydro-carbon gas burning system              | •                        | •                        | •                        |
| <b>Security</b>             | Over rev. limiter                            | •                        | •                        | •                        |
|                             | Overheat warning                             | •                        | •                        | •                        |
|                             | Anti knocking control                        | •                        | •                        | •                        |
|                             | Low oil press. warning                       | •                        | •                        | •                        |
|                             | Fail safe system                             | •                        | •                        | •                        |
|                             | Immobilizer adaptation                       | •                        | •                        | •                        |
|                             | YDIS interface                               | •                        | •                        | •                        |
| <b>Corrosion prevention</b> | Dual water inlet                             | •                        | •                        | •                        |
|                             | Stainless steel water pump housing           | •                        | •                        | •                        |
|                             | Anodic coated muffler                        | •                        | •                        | •                        |
| <b>Power unit</b>           | Freshwater flushing device                   | •                        | •                        | •                        |
|                             | Fuel injection                               | •                        | •                        | •                        |
|                             | Recommended Fuel (RON)                       | 90                       | 90                       | 94                       |
|                             | Recommended Fuel (PON)                       | 86                       | 86                       | 89                       |
|                             | Plasma fused sleeves cylinder                | •                        | •                        | •                        |
|                             | Variable cam timing                          | •                        | •                        | •                        |
| <b>Control system</b>       | Digital Electronic Control (DEC)             | •                        | •                        | •                        |
|                             | Digital Electronic Steering (DES) (Optional) | Bolt-on                  | Bolt-on                  | Bolt-on                  |
|                             | Digital network system II (Optional)         | •                        | •                        | •                        |
|                             | One-touch start/stop control                 | •                        | •                        | •                        |
|                             | Variable trolling switch adaptation          | •                        | •                        | •                        |
|                             | TotalTilt Function                           | •                        | •                        | •                        |
|                             | Tilt lock lever                              | •                        | •                        | •                        |
| <b>Convenience</b>          | Battery isolator (output)                    | •                        | •                        | •                        |
|                             | Thrust Enhancing Reverse Exhaust             | •                        | •                        | •                        |

| <b>Optional Accessory</b> | <b>F225J/<br/>FL225J</b> | <b>F250P/<br/>FL250P</b> | <b>F300G/<br/>FL300G</b> |
|---------------------------|--------------------------|--------------------------|--------------------------|
| Immobilizer               | •                        | •                        | •                        |
| Steering guide attachment | •                        | •                        | •                        |

| <b>Rigging Accessory</b>          |                             | <b>F225J/<br/>FL225J</b> | <b>F250P/<br/>FL250P</b> | <b>F300G/<br/>FL300G</b> |
|-----------------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|
| <b>Display</b>                    | CL5                         | •                        | •                        | •                        |
|                                   | MFD Interface               | •                        | •                        | •                        |
| <b>Gauge</b>                      | 6Y8                         | •                        | •                        | •                        |
|                                   | 6X9 (EKS)                   | •                        | •                        | •                        |
| <b>Switch</b>                     | 6X6                         | •                        | •                        | •                        |
|                                   | 64D                         | •                        | •                        | •                        |
| <b>Remote control</b>             | 6X9 (DEC)                   | •                        | •                        | •                        |
| <b>Helm/Tilt unit</b>             | 6GR                         | •                        | •                        | •                        |
|                                   | 6X9                         | •                        | •                        | •                        |
| <b>Autopilot (Helm Master EX)</b> | Autopilot panel             | •                        | •                        | •                        |
|                                   | GPS unit                    | •                        | •                        | •                        |
|                                   | Heading sensor              | •                        | •                        | •                        |
|                                   | BCU                         | •                        | •                        | •                        |
| <b>Joystick (Helm Master EX)</b>  | Joystick controller         | •                        | •                        | •                        |
|                                   | LED assy (Propeller. light) | •                        | •                        | •                        |
|                                   | Reliance Series             | M/ML                     | M/ML                     | M/ML                     |
| <b>Propeller</b>                  | Performance 3 SDS Series    | M/ML                     | M/ML                     | M/ML                     |
|                                   | Saltwater Series II         | T/TL                     | T/TL                     | T/TL                     |
|                                   | Saltwater Series II HP      | T/TL                     | T/TL                     | T/TL                     |
|                                   | Saltwater Series HS4        | T/TL                     | T/TL                     | T/TL                     |
|                                   |                             |                          |                          |                          |

| <b>Consumes</b>   |     | <b>F225J/<br/>FL225J</b> | <b>F250P/<br/>FL250P</b> | <b>F300G/<br/>FL300G</b> |
|-------------------|-----|--------------------------|--------------------------|--------------------------|
| Yamalube gear oil | GL5 | •                        | •                        | •                        |



F200NST2X

## F150H/FL150H F200N/FL200N

### MODEL CODE (Approved code)

|        |           |
|--------|-----------|
| F150H  | 6LM (6LM) |
| FL150H | 6LN (6LN) |
| F200N  | 6LH (6LH) |
| FL200N | 6LJ (6LJ) |

### MODELS AVAILABLE

|                |         |
|----------------|---------|
| F150H / FL150H | ST, ST2 |
| F200N / FL200N | ST, ST2 |

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 963 mm (38.0 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 642 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 30 deg. each direction                     |
| Dry weight            | 242 – 245 kg                               |

| Performance                   | F150H / FL150H        | F200N / FL200N        |
|-------------------------------|-----------------------|-----------------------|
| Max. prop shaft output        | 110.3 kW (150 ps)     | 147.1 kW (200 ps)     |
| Full throttle operating range | 5000 – 6000 r/min     |                       |
| Idling speed                  | 650 – 750 r/min       |                       |
| Fuel consumption              | *56.7 L/h @6000 r/min | *72.4 L/h @5700 r/min |
| *: reference data             |                       |                       |

### Engine

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line4                              |
| Displacement          | 2785 cm <sup>3</sup>                                  |
| Bore × stroke         | 96.0 × 96.2 mm                                        |
| Compression ratio     | 10.3:1                                                |
| Fuel induction system | Fuel injection                                        |
| Lubrication system    | Wet sump                                              |
| Engine oil capacity   | 4.5 L / 4.3 L (with / without oil filter replacement) |
| Ignition system       | TCI                                                   |
| Ignition timing       | —                                                     |
| Spark plug            | LFR6A-11                                              |
| Alternator            | 50 A (Charging capacity: 31A)                         |
| Cooling system        | Raw-water, thermostatically controlled                |
| Exhaust system        | Through propeller boss                                |

### Bracket / Drive

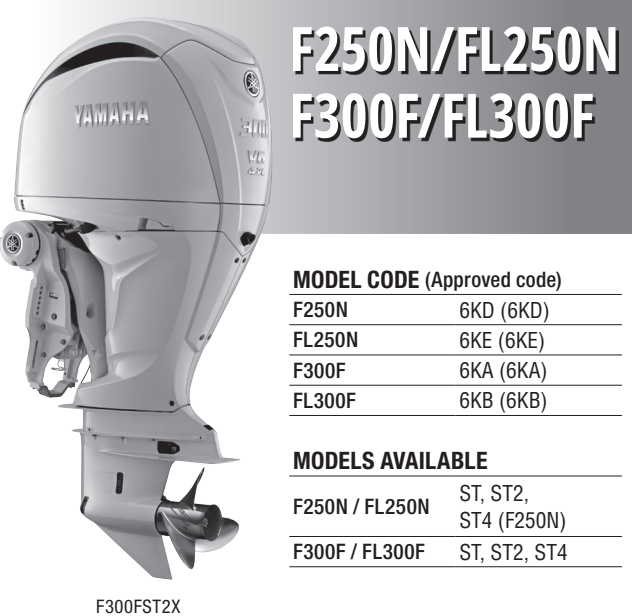
|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 2.00 (28/14) 1.86 (26/14)     |
| Gear oil capacity   | 0.980 L                       |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | L, X                          |

| Model Category       |                                                    | General          |                  |
|----------------------|----------------------------------------------------|------------------|------------------|
| Feature Table        |                                                    | F150H/<br>FL150H | F200N/<br>FL200N |
| Environment          | Fuel vaporize control system                       | ●                | ●                |
|                      | Fuel vapor accumulation system                     | ●                | ●                |
|                      | Hydro-carbon gas burning system                    | ●                | ●                |
| Security             | Over rev. limiter                                  | ●                | ●                |
|                      | Overheat warning                                   | ●                | ●                |
|                      | Anti knocking control                              | ●                | ●                |
|                      | Low oil press. warning                             | ●                | ●                |
|                      | Fail safe system                                   | ●                | ●                |
|                      | Immobilizer adaptation                             | ●                | ●                |
|                      | YDIS interface                                     | ●                | ●                |
| Corrosion prevention | Stainless steel water pump housing                 | ●                | ●                |
|                      | Anodic coated muffler                              | ●                | ●                |
|                      | Freshwater flushing device                         | ●                | ●                |
| Power unit           | Fuel injection                                     | ●                | ●                |
|                      | Recommended Fuel (RON)                             | 90               | 94               |
|                      | Recommended Fuel (PON)                             | 86<br>(FL150H)   | 89<br>(FL200N)   |
|                      | Variable cam timing                                | —                | ●                |
|                      | Digital Electronic Control (DEC)                   | ●                | ●                |
| Control system       | Integrated Electro-Hydraulic Steering system (DES) | ●                | ●                |
|                      | Digital network system (Optional)                  | ●                | ●                |
|                      | Digital network system II (Optional)               | ●                | ●                |
|                      | One-touch start/stop control                       | ●                | ●                |
|                      | Variable trolling switch adaptation                | ●                | ●                |
|                      | TotalTilt Function                                 | ●                | ●                |
| Convenience          | Tilt lock lever                                    | ●                | ●                |
|                      | Battery isolator (output)                          | ●                | ●                |

| Optional Accessory         |                             | F150H/<br>FL150H  | F200N/<br>FL200N  |
|----------------------------|-----------------------------|-------------------|-------------------|
| Immobilizer                |                             | ●                 | ●                 |
| Rigging Accessory          |                             | F150H/<br>FL150H  | F200N/<br>FL200N  |
| Display                    | CL5                         | ●                 | ●                 |
|                            | MFD Interface               | ●                 | ●                 |
| Switch                     | 6X9 (EKS)                   | ●                 | ●                 |
|                            | 6X6                         | ●                 | ●                 |
|                            | 64D                         | ●                 | ●                 |
| Remote control             | 6X9 (DEC)                   | ●                 | ●                 |
| Helm/Tilt unit             | 6GR                         | ●                 | ●                 |
|                            | 6X9                         | ●                 | ●                 |
| Autopilot (Helm Master EX) | Autopilot panel             | ●                 | ●                 |
|                            | GPS unit                    | ●                 | ●                 |
|                            | Heading sensor              | ●                 | ●                 |
|                            | BCU                         | ●                 | ●                 |
| Joystick (Helm Master EX)  | Joystick controller         | ●                 | ●                 |
|                            | LED assy (Propeller. light) | ●                 | ●                 |
| Propeller                  | Black Series                | M, M2/<br>ML, ML1 | M, M2/<br>ML, ML1 |
|                            | M Series                    | M/ML              | M/ML              |
|                            | Reliance Series             | M/ML              | M/ML              |
|                            | Performance 3 SDS Series    | M/ML              | M/ML              |
|                            | Saltwater Series II         | T/TL              | T/TL              |
|                            | Saltwater Series HS4        | T/TL              | T/TL              |
| Consumes                   |                             | F150H/<br>FL150H  | F200N/<br>FL200N  |
| Yamalube gear oil          | GL4                         | ●                 | ●                 |
|                            | GL5                         | ●                 | ●                 |

4-stroke

DES



F250N/FL250N  
F300F/FL300F

MODEL CODE (Approved code)

|        |           |
|--------|-----------|
| F250N  | 6KD (6KD) |
| FL250N | 6KE (6KE) |
| F300F  | 6KA (6KA) |
| FL300F | 6KB (6KB) |

MODELS AVAILABLE

|                |                         |
|----------------|-------------------------|
| F250N / FL250N | ST, ST2,<br>ST4 (F250N) |
| F300F / FL300F | ST, ST2, ST4            |

Dimension

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Overall length        | 1026 mm (40.4 in)                                                   |
| Overall width         | 634 mm (25.0 in)                                                    |
| Overall height        | X: 1964 mm (77.3 in), U: 2091 mm (82.3 in),<br>E: 2218 mm (87.3 in) |
| Engine transom height | X: 640 mm (25.2 in), U: 767 mm (30.2 in),<br>E: 894mm (35.2 in)     |
| Minimum distance      | 724 mm (28.5 in)                                                    |
| Steering angle        | 32 deg. each direction                                              |
| Dry weight            | 288 – 299 kg                                                        |

| Performance                   | F250N / FL250N    | F300F / FL300F    |
|-------------------------------|-------------------|-------------------|
| Max. prop shaft output        | 183.8 kW (250 ps) | 220.6 kW (300 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |
| Idling speed                  | 650 – 750 r/min   |                   |
| Fuel consumption              | *83.9 L/h         | *96.6 L/h         |
| *: reference data             | @5500 r/min       | @5500 r/min       |

Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 24-Valve, DOHC with VCT, 60 deg. V6                      |
| Displacement          | 4169 cm <sup>3</sup>                                     |
| Bore × stroke         | 96.0 × 96.0 mm                                           |
| Compression ratio     | 10.3 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 6.3 L / 6.0 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LFR6A-11                                                 |
| Alternator            | 70 A (charging capacity: 48A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

Bracket / Drive

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 1.75 (21/12)                  |
| Gear oil capacity   | 0.925 L / 0.885 L             |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X, U, E                       |

| Model Category       |                                      | General          |                  |
|----------------------|--------------------------------------|------------------|------------------|
| Feature Table        |                                      | F250N/<br>FL250N | F300F/<br>FL300F |
| Environment          | Fuel vaporize control system         | •                | •                |
|                      | Fuel vapor accumulation system       | •                | •                |
|                      | Hydro-carbon gas burning system      | •                | •                |
| Security             | Over rev. limiter                    | •                | •                |
|                      | Overheat warning                     | •                | •                |
|                      | Anti knocking control                | •                | •                |
|                      | Low oil press. warning               | •                | •                |
|                      | Fail safe system                     | •                | •                |
|                      | Immobilizer adaptation               | •                | •                |
|                      | YDIS interface                       | •                | •                |
| Corrosion prevention | Dual water inlet                     | •                | •                |
|                      | Stainless steel water pump housing   | •                | •                |
|                      | Anodic coated muffler                | •                | •                |
| Power unit           | Freshwater flushing device           | •                | •                |
|                      | Fuel injection                       | •                | •                |
|                      | Recommended Fuel (RON)               | 90               | 94               |
|                      | Recommended Fuel (PON)               | 86               | 89               |
|                      | Plasma fused sleeves cylinder        | •                | •                |
| Control system       | Variable cam timing                  | •                | •                |
|                      | Digital Electronic Control (DEC)     | •                | •                |
|                      | Digital Electronic Steering (DES)    | •                | •                |
|                      | Digital network system II (optional) | •                | •                |
|                      | One-touch start/stop control         | •                | •                |
|                      | Variable trolling switch adaptation  | •                | •                |
|                      | TotalTilt Function                   | •                | •                |
| Convenience          | Tilt lock lever                      | •                | •                |
|                      | Battery isolator (output)            | •                | •                |
|                      | Thrust Enhancing Reverse Exhaust     | •                | •                |

| Optional Accessory            |                             | F250N/<br>FL250N | F300F/<br>FL300F |
|-------------------------------|-----------------------------|------------------|------------------|
| Immobilizer                   |                             | •                | •                |
| Rigging Accessory             |                             | F250N/<br>FL250N | F300F/<br>FL300F |
| Display                       | CL5                         | •                | •                |
|                               | MFD Interface               | •                | •                |
| Switch                        | 6X9 (EKS)                   | •                | •                |
|                               | 6X6                         | •                | •                |
|                               | 64D                         | •                | •                |
| Remote control                | 6X9 (DEC)                   | •                | •                |
| Helm/Tilt unit                | 6GR                         | •                | •                |
|                               | 6X9                         | •                | •                |
| Autopilot<br>(Helm Master EX) | Autopilot panel             | •                | •                |
|                               | GPS unit                    | •                | •                |
|                               | Heading sensor              | •                | •                |
| Joystick<br>(Helm Master EX)  | BCU                         | •                | •                |
|                               | Joystick controller         | •                | •                |
| Propeller                     | LED assy (Propeller. light) | •                | •                |
|                               | Reliance Series             | M/ML             | M/ML             |
|                               | Performance 3 SDS Series    | M/ML             | M/ML             |
|                               | Saltwater Series II         | T/TL             | T/TL             |
|                               | Saltwater Series II HP      | T/TL             | T/TL             |
|                               | Saltwater Series HS4        | T/TL             | T/TL             |
| Consumes                      |                             | F250N/<br>FL250N | F300F/<br>FL300F |
| Yamalube gear oil GL5         |                             | •                | •                |

4-stroke  
DES



F350BST2X

## F350B/FL350B

### MODEL CODE (Approved code)

|        |           |
|--------|-----------|
| F350B  | 6ML (6ML) |
| FL350B | 6MM (6MM) |

### MODELS AVAILABLE

|              |              |
|--------------|--------------|
| F350B/FL350B | ST, ST2, ST4 |
|--------------|--------------|

### Dimension

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Overall length        | 1026 mm (40.4 in)                                                   |
| Overall width         | 634 mm (25.0 in)                                                    |
| Overall height        | X: 1964 mm (77.3 in), U: 2091 mm (82.3 in),<br>E: 2218 mm (87.4 in) |
| Engine transom height | X: 640 mm (25.2 in), U: 767 mm (30.2 in),<br>E: 894 mm (35.2 in)    |
| Minimum distance      | 724 mm (28.5 in)                                                    |
| Steering angle        | 32 deg. each direction                                              |
| Dry weight            | 293 – 304 kg                                                        |

### Performance

### F350B/FL350B

|                               |                        |
|-------------------------------|------------------------|
| Max. prop shaft output        | 257.4 kW (350 ps)      |
| Full throttle operating range | 5000 – 6000 r/min      |
| Idling speed                  | 650 – 700 r/min        |
| Fuel consumption              | *113.1 L/h @6000 r/min |
| *: reference data             |                        |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 24-Valve, DOHC with VCT, 60 deg. V6                      |
| Displacement          | 4256 cm <sup>3</sup>                                     |
| Bore × stroke         | 96.0 × 98.0 mm                                           |
| Compression ratio     | 11.0 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 7.9 L / 7.6 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | ILMAR7E-9                                                |
| Alternator            | 74 A (charging capacity: 50A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 1.75 (21/12)                  |
| Gear oil capacity   | 0.925 L / 0.885 L             |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X, U, E                       |

Model Category

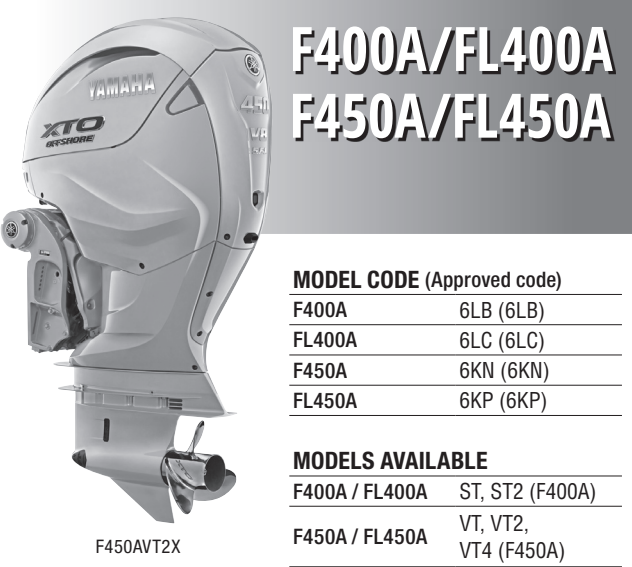
General

| Feature Table        |                                      | F350B/FL350B |
|----------------------|--------------------------------------|--------------|
| Environment          | Fuel vaporize control system         | •            |
|                      | Fuel vapor accumulation system       | •            |
|                      | Hydro-carbon gas burning system      | •            |
| Security             | Over rev. limiter                    | •            |
|                      | Overheat warning                     | •            |
|                      | Anti knocking control                | •            |
|                      | Low oil press. warning               | •            |
|                      | Fail safe system                     | •            |
|                      | Immobilizer adaptation               | •            |
|                      | YDIS interface                       | •            |
| Corrosion prevention | Dual water inlet                     | •            |
|                      | Stainless steel water pump housing   | •            |
|                      | Anodic coated muffler                | •            |
| Power unit           | Freshwater flushing device           | •            |
|                      | Fuel injection                       | •            |
|                      | Recommended Fuel (RON)               | 94           |
|                      | Recommended Fuel (PON)               | 89           |
|                      | Plasma fused sleeveles cylinder      | •            |
|                      | Variable cam timing                  | •            |
| Control system       | Digital Electronic Control (DEC)     | •            |
|                      | Digital Electronic Steering (DES)    | •            |
|                      | Digital network system II (optional) | •            |
|                      | One-touch start/stop control         | •            |
|                      | Variable trolling switch adaptation  | •            |
|                      | TotalTilt Function                   | •            |
| Convenience          | Tilt lock lever                      | •            |
|                      | Battery isolator (output)            | •            |
|                      | Thrust Enhancing Reverse Exhaust     | •            |

| Optional Accessory |  | F350B/FL350B |
|--------------------|--|--------------|
| Immobilizer        |  | •            |

| Rigging Accessory          |                             | F350B/FL350B |
|----------------------------|-----------------------------|--------------|
| Display                    | CL5                         | •            |
|                            | MFD Interface               | •            |
| Switch                     | 6X9 (EKS)                   | •            |
|                            | 6X6                         | •            |
|                            | 64D                         | •            |
| Remote control             | 6X9 (DEC)                   | •            |
| Helm/Tilt unit             | 6GR                         | •            |
|                            | 6X9                         | •            |
| Autopilot (Helm Master EX) | Autopilot panel             | •            |
|                            | GPS unit                    | •            |
|                            | Heading sensor              | •            |
| Joystick (Helm Master EX)  | BCU                         | •            |
|                            | Joystick controller         | •            |
| Propeller                  | LED assy (Propeller. light) | •            |
|                            | Saltwater Series II         | T/TL         |
|                            | Saltwater Series II HP      | T/TL         |
|                            | Saltwater Series HS4        | T/TL         |

| Consumes          |     | F350B/FL350B |
|-------------------|-----|--------------|
| Yamalube gear oil | GL5 | •            |



**MODEL CODE** (Approved code)

|        |           |
|--------|-----------|
| F400A  | 6LB (6LB) |
| FL400A | 6LC (6LC) |
| F450A  | 6KN (6KN) |
| FL450A | 6KP (6KP) |

**MODELS AVAILABLE**

|                |                         |
|----------------|-------------------------|
| F400A / FL400A | ST, ST2 (F400A)         |
| F450A / FL450A | VT, VT2,<br>VT4 (F450A) |

**Dimension**

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Overall length        | 1217 mm (47.9 in)                                                   |
| Overall width         | 652 mm (25.7 in)                                                    |
| Overall height        | X: 2059 mm (81.1 in), U: 2186 mm (86.1 in),<br>E: 2313 mm (91.1 in) |
| Engine transom height | X: 640 mm (25.2 in), U: 767 mm (30.2 in),<br>E: 894 mm (35.2 in)    |
| Minimum distance      | 724 mm (28.5 in)                                                    |
| Steering angle        | 31 deg. each direction                                              |
| Dry weight            | 447 – 468 kg                                                        |

| Performance                   | F400A / FL400A    | F450A / FL450A    |
|-------------------------------|-------------------|-------------------|
| Max. prop shaft output        | 294.2 kW (400 ps) | 331.0 kW (450 ps) |
| Full throttle operating range | 5000 – 6000 r/min |                   |
| Idling speed                  | 650 – 750 r/min   |                   |
| Fuel consumption              | *130.6 L/h        | *144.8 L/h        |
| *: reference data             | @6000 r/min       | @6000 r/min       |

**Engine**

|                       |                                                           |                                   |
|-----------------------|-----------------------------------------------------------|-----------------------------------|
| Engine type           | 32-Valve, DOHC with VCT, 60 deg. V8                       |                                   |
| Displacement          | 5559 cm³                                                  |                                   |
| Bore × stroke         | 96.0 × 96.0 mm                                            |                                   |
| Compression ratio     | 12.3:1                                                    |                                   |
| Fuel induction system | Direct fuel injection                                     |                                   |
| Lubrication system    | Wet sump                                                  |                                   |
| Engine oil capacity   | 7.8 L / 7.5 L<br>(with / without oil fi lter replacement) |                                   |
| Ignition system       | TCI                                                       |                                   |
| Ignition timing       | —                                                         |                                   |
| Spark plug            | ILMAR7H-9                                                 |                                   |
| Alternator            | 104 A (battery<br>charging: 88 A)                         | 102 A (battery<br>charging: 96 A) |
| Cooling system        | Raw-water, thermostatically controlled                    |                                   |
| Exhaust system        | Through propeller boss                                    |                                   |

**Bracket / Drive**

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 1.79 (25/14)                  |
| Gear oil capacity   | 1.950 L / 1.830 L             |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X, U, E                       |

| Model Category       |                                                | General          |                  |
|----------------------|------------------------------------------------|------------------|------------------|
| Feature Table        |                                                | F400A/<br>FL400A | F450A/<br>FL450A |
| Environment          | Hydro-carbon gas burning system                | •                | •                |
|                      | Over rev. limiter                              | •                | •                |
| Security             | Overheat warning                               | •                | •                |
|                      | Anti knocking control                          | •                | •                |
|                      | Low oil press. warning                         | •                | •                |
|                      | Fail safe system                               | •                | •                |
|                      | Immobilizer adaptation                         | •                | •                |
|                      | YDIS interface                                 | •                | •                |
| Corrosion prevention | Dual water inlet                               | •                | •                |
|                      | Stainless steel water pump housing             | •                | •                |
|                      | Anodic coated muffler                          | •                | •                |
| Power unit           | Freshwater flushing device                     | •                | •                |
|                      | Fuel injection (Direct Injection)              | •                | •                |
|                      | Recommended Fuel (RON)                         | 94               | 94               |
|                      | Recommended Fuel (PON)                         | 89               | 89               |
|                      | Plasma fused sleeves cylinder                  | •                | •                |
|                      | Variable cam timing                            | •                | •                |
| Control system       | Dual chamber water pump                        | •                | •                |
|                      | Dual Chamber Oil Pump                          | •                | •                |
|                      | Digital Electronic Control (DEC)               | •                | •                |
|                      | Digital Electronic Steering (DES) (Integrated) | •                | •                |
|                      | Digital network system II (Optional)           | •                | •                |
|                      | One-touch start/stop control                   | •                | •                |
|                      | Variable trolling switch adaptation            | •                | •                |
|                      | Power generation improvement                   | —                | •                |
| Convenience          | Tilt lock lever                                | •                | •                |
|                      | Battery isolator (output)                      | •                | •                |
|                      | In-water Gear Lube Change System               | •                | •                |
|                      | Large Oil Drain Plug and Strainer              | •                | •                |
|                      | Thrust Enhancing Reverse Exhaust               | •                | •                |

| Optional Accessory         |                             | F400A/<br>FL400A | F450A/<br>FL450A |
|----------------------------|-----------------------------|------------------|------------------|
| Immobilizer                |                             | •                | •                |
| Rigging Accessory          |                             | F400A/<br>FL400A | F450A/<br>FL450A |
| Display                    | CL5                         | •                | •                |
|                            | MFD Interface               | •                | •                |
| Switch                     | 6X9 (EKS)                   | •                | •                |
|                            | 6X6                         | •                | •                |
|                            | 64D                         | •                | •                |
| Remote control             | 6X9 (DEC)                   | •                | •                |
| Helm/Tilt unit             | 6GR                         | •                | •                |
|                            | 6X9                         | •                | •                |
| Autopilot (Helm Master EX) | Autopilot panel             | •                | •                |
|                            | GPS unit                    | •                | •                |
|                            | Heading sensor              | •                | •                |
| Joystick (Helm Master EX)  | BCU                         | •                | •                |
|                            | Joystick controller         | •                | •                |
|                            | LED assy (Propeller. light) | •                | •                |
| Propeller                  | XTO OS Series               | Y/YL             | Y/YL             |
|                            | XTO EC Series               | Y/YL             | Y/YL             |
| Consumes                   |                             | F400A/<br>FL400A | F450A/<br>FL450A |
| Yamalube gear oil          | GL5                         | •                | •                |



F90DET1X

## F90D

### MODEL CODE (Approved code)

|      |           |
|------|-----------|
| F90D | 6HK (6HK) |
|------|-----------|

### MODELS AVAILABLE

|      |     |
|------|-----|
| F90D | ET1 |
|------|-----|

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 803 mm (31.6 in)                           |
| Overall width         | 488 mm (19.2 in)                           |
| Overall height        | L: 1622 mm (63.9 in), X: 1749 mm (68.9 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 35 deg. each direction                     |
| Dry weight            | 162, 166 kg                                |

### Performance

### F90D

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 66.2 kW (90 ps)         |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 700 – 800 r/min         |
| Fuel consumption              | (*36.9 L/h @6000 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Engine type           | 16-Valve, SOHC, In-line 4                                 |
| Displacement          | 1832 cm <sup>3</sup>                                      |
| Bore × stroke         | 81.0 × 88.9 mm                                            |
| Compression ratio     | 10.0 :1                                                   |
| Fuel induction system | Fuel injection                                            |
| Lubrication system    | Wet sump                                                  |
| Engine oil capacity   | 3.2 L / 3.0 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                       |
| Ignition timing       | —                                                         |
| Spark plug            | LKR6E-9N                                                  |
| Alternator            | 35 A (battery charging: 21 A)                             |
| Cooling system        | Raw-water, thermostatically controlled                    |
| Exhaust system        | Through propeller boss                                    |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.33 (28/12)              |
| Gear oil capacity   | 0.760 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

Bass fishing

| Feature Table        | F90D                                |
|----------------------|-------------------------------------|
| Environmental        | Fuel vaporize control system        |
|                      | Fuel vapor accumulation system      |
|                      | Hydro carbon gas burning system     |
| Security             | Over rev. limiter                   |
|                      | Overheat warning                    |
|                      | Anti knocking control               |
|                      | Low oil pressure warning            |
|                      | Fail safe system                    |
|                      | Immobilizer adaptation              |
|                      | YDIS interface                      |
| Corrosion prevention | Stainless steel water pump housing  |
|                      | Stainless steel water tube          |
|                      | Anodic coated muffler               |
|                      | Freshwater flushing device          |
| Power unit           | Fuel injection                      |
|                      | Recommended Fuel (RON)              |
|                      | Recommended Fuel (PON)              |
| Control system       | Digital network system (Optional)   |
|                      | Variable trolling switch adaptation |
| Convenience          | Tilt lock lever                     |

| Optional Accessory               | F90D |
|----------------------------------|------|
| Tilt limiter                     |      |
| Immobilizer                      |      |
| Steering guide attachment        |      |
| 6X4 Multi-function tiller handle |      |

| Rigging Accessory | F90D                 |
|-------------------|----------------------|
| Display           | CL5                  |
|                   | MFD Interface        |
| Gauge             | 6Y5                  |
|                   | 6Y7                  |
|                   | 6Y8                  |
| Switch            | 64D                  |
|                   | 6R5                  |
|                   | 6K1                  |
|                   | 6Y8                  |
|                   | 703                  |
| Remote control    | 704                  |
|                   | 6X3                  |
|                   | Black Series         |
| Propeller         | K Series             |
|                   | TALON Series         |
|                   | TALON GP Series      |
|                   | TALON SS Series      |
|                   | TALON PONTOON Series |
|                   | TALON SS4 Series     |
|                   |                      |

| Consumes          | F90D |
|-------------------|------|
| Yamalube gear oil | GL4  |
|                   | GL5  |



F90FET1L

## F90F

### MODEL CODE (Approved code)

F90F 6HK (6HK)

### MODELS AVAILABLE

F90F ET1

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 803 mm (31.6 in)                           |
| Overall width         | 488 mm (19.2 in)                           |
| Overall height        | L: 1622 mm (63.9 in), X: 1749 mm (68.9 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 35 deg. each direction                     |
| Dry weight            | 162, 166 kg                                |

### Performance

### F90F

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 66.2 kW (90 ps)         |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 700 – 800 r/min         |
| Fuel consumption              | (*36.9 L/h @6000 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, SOHC, In-line 4                                |
| Displacement          | 1832 cm <sup>3</sup>                                     |
| Bore × stroke         | 81.0 × 88.9 mm                                           |
| Compression ratio     | 10.0 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 3.2 L/ 3.0 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LKR6E-9N                                                 |
| Alternator            | 35 A (battery charging: 21 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.33 (28/12)              |
| Gear oil capacity   | 0.760 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

Bass fishing

| Feature Table        | F90F                                |
|----------------------|-------------------------------------|
| Environmental        | Fuel vaporize control system        |
|                      | Fuel vapor accumulation system      |
|                      | Hydro carbon gas burning system     |
| Security             | Over rev. limiter                   |
|                      | Overheat warning                    |
|                      | Anti knocking control               |
|                      | Low oil pressure warning            |
|                      | Fail safe system                    |
|                      | Immobilizer adaptation              |
|                      | YDIS interface                      |
| Corrosion prevention | Stainless steel water pump housing  |
|                      | Stainless steel water tube          |
|                      | Anodic coated muffler               |
|                      | Freshwater flushing device          |
| Power unit           | Fuel injection                      |
|                      | Recommended Fuel (RON)              |
|                      | Recommended Fuel (PON)              |
| Control system       | Digital network system (Optional)   |
|                      | Variable trolling switch adaptation |
| Convenience          | Tilt lock lever                     |

| Optional Accessory               | F90F |
|----------------------------------|------|
| Tilt limiter                     |      |
| Immobilizer                      |      |
| Steering guide attachment        |      |
| 6X4 Multi-function tiller handle |      |

| Rigging Accessory | F90F                 |
|-------------------|----------------------|
| Display           | CL5                  |
|                   | MFD Interface        |
| Gauge             | 6Y5                  |
|                   | 6Y7                  |
|                   | 6Y8                  |
| Switch            | 64D                  |
|                   | 6R5                  |
|                   | 6K1                  |
|                   | 6Y8                  |
| Remote control    | 703                  |
|                   | 704                  |
|                   | 6X3                  |
|                   | Black Series         |
| Propeller         | K Series             |
|                   | TALON Series         |
|                   | TALON GP Series      |
|                   | TALON SS Series      |
|                   | TALON PONTOON Series |
|                   | TALON SS4 Series     |

| Consumes          | F90F |
|-------------------|------|
| Yamalube gear oil | GL4  |
|                   | GL5  |

4-stroke

VMAX SHO



F115CET1L

## F115C

### MODEL CODE (Approved code)

F115C 6FN (6FN)

### MODELS AVAILABLE

F115C ET1

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 826 mm (32.5 in)                           |
| Overall width         | 524 mm (20.6 in)                           |
| Overall height        | L: 1629 mm (64.1 in), X: 1756 mm (69.1 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 35 deg. each direction                     |
| Dry weight            | 176, 180 kg                                |

### Performance

### F115C

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 84.6 kW (115 ps)        |
| Full throttle operating range | 5300 – 6300 r/min       |
| Idling speed                  | 700 – 800 r/min         |
| Fuel consumption              | (*46.3 L/h @6000 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line 4                                |
| Displacement          | 1832 cm <sup>3</sup>                                     |
| Bore × stroke         | 81.0 × 88.9 mm                                           |
| Compression ratio     | 10.0 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 3.2 L/ 3.0 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LKR6E                                                    |
| Alternator            | 35 A (battery charging: 27 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.15 (28/13)              |
| Gear oil capacity   | 0.760 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

Bass fishing

| Feature Table        | F115C                              |
|----------------------|------------------------------------|
| Environmental        | Fuel vaporize control system       |
|                      | Fuel vapor accumulation system     |
|                      | Hydro carbon gas burning system    |
| Security             | Over rev. limiter                  |
|                      | Overheat warning                   |
|                      | Anti knocking control              |
|                      | Low oil pressure warning           |
|                      | Fail safe system                   |
|                      | Immobilizer adaptation             |
|                      | YDIS interface and connection      |
| Corrosion prevention | YDC30 alloy                        |
|                      | Stainless steel water pump housing |
|                      | Stainless steel water tube         |
|                      | Heavy duty anodized muffler        |
|                      | Freshwater flushing device         |
| Power unit           | Fuel injection                     |
|                      | Recommended Fuel (RON)             |
|                      | Recommended Fuel (PON)             |
| Control system       | Analog meter output                |
|                      | Digital network output             |
|                      | Tilt limiter application           |
|                      | Variable trolling switch control   |
| Bracket              | Light weight single ram PTT        |
| Convenience          | Tilt lock lever                    |

| Optional Accessory               | F115C |
|----------------------------------|-------|
| Tilt limiter                     |       |
| Immobilizer                      |       |
| 6X4 Multi-function tiller handle |       |

| Rigging Accessory | F115C                |
|-------------------|----------------------|
| Display           | CL5                  |
|                   | MFD Interface        |
| Gauge             | 6Y5                  |
|                   | 6Y7                  |
|                   | 6Y8                  |
| Switch            | 64D                  |
|                   | 6R5                  |
|                   | 6K1                  |
|                   | 6Y8                  |
| Remote control    | 703                  |
|                   | 704                  |
|                   | 6X3                  |
|                   | Black Series         |
| Propeller         | K Series             |
|                   | TALON Series         |
|                   | TALON GP Series      |
|                   | TALON SS Series      |
|                   | TALON PONTOON Series |
|                   | TALON SS4 Series     |

| Consumes          | F115C |
|-------------------|-------|
| Yamalube gear oil | GL4   |
|                   | GL5   |

4-stroke

VMAX SHO



F115DET1L

## F115D

### MODEL CODE (Approved code)

F115D 6FN (6FN)

### MODELS AVAILABLE

F115D ET1

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 826 mm (32.5 in)                           |
| Overall width         | 524 mm (20.6 in)                           |
| Overall height        | L: 1629 mm (64.1 in), X: 1756 mm (69.1 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | 660 mm (26.0 in)                           |
| Steering angle        | 35 deg. each direction                     |
| Dry weight            | 176, 180 kg                                |

### Performance

### F115D

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 84.6 kW (115 ps)        |
| Full throttle operating range | 5300 – 6300 r/min       |
| Idling speed                  | 700 – 800 r/min         |
| Fuel consumption              | (*46.3 L/h @6000 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line 4                                |
| Displacement          | 1832 cm <sup>3</sup>                                     |
| Bore × stroke         | 81.0 × 88.9 mm                                           |
| Compression ratio     | 10.0 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 3.2 L/ 3.0 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LKR6E                                                    |
| Alternator            | 35 A (battery charging: 27 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.15 (28/13)              |
| Gear oil capacity   | 0.760 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

Bass fishing

| Feature Table        | F115D                              |
|----------------------|------------------------------------|
| Environmental        | Fuel vaporize control system       |
|                      | Fuel vapor accumulation system     |
|                      | Hydro carbon gas burning system    |
| Security             | Over rev. limiter                  |
|                      | Overheat warning                   |
|                      | Anti knocking control              |
|                      | Low oil pressure warning           |
|                      | Fail safe system                   |
|                      | Immobilizer adaptation             |
|                      | YDIS interface and connection      |
| Corrosion prevention | YDC30 alloy                        |
|                      | Stainless steel water pump housing |
|                      | Stainless steel water tube         |
|                      | Heavy duty anodized muffler        |
|                      | Freshwater flushing device         |
| Power unit           | Fuel injection                     |
|                      | Recommended Fuel (RON)             |
|                      | Recommended Fuel (PON)             |
| Control system       | Analog meter output                |
|                      | Digital network output             |
|                      | Tilt limiter application           |
|                      | Variable trolling switch control   |
| Bracket              | Light weight single ram PTT        |
| Convenience          | Tilt lock lever                    |

| Optional Accessory               | F115D |
|----------------------------------|-------|
| Tilt limiter                     |       |
| Immobilizer                      |       |
| 6X4 Multi-function tiller handle |       |

| Rigging Accessory | F115D                |
|-------------------|----------------------|
| Display           | CL5                  |
|                   | MFD Interface        |
| Gauge             | 6Y5                  |
|                   | 6Y7                  |
|                   | 6Y8                  |
| Switch            | 64D                  |
|                   | 6R5                  |
|                   | 6K1                  |
|                   | 6Y8                  |
| Remote control    | 703                  |
|                   | 704                  |
|                   | 6X3                  |
|                   | Black Series         |
| Propeller         | K Series             |
|                   | TALON Series         |
|                   | TALON GP Series      |
|                   | TALON SS Series      |
|                   | TALON PONTOON Series |
|                   | TALON SS4 Series     |

| Consumes          | F115D |
|-------------------|-------|
| Yamalube gear oil | GL4   |
|                   | GL5   |

4-stroke

VMAX SHO



F150CET1L

## F150C

### MODEL CODE (Approved code)

F150C 6EH (6EH)

### MODELS AVAILABLE

F150C ET1

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 920 mm (36.2 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 223, 227 kg                                |

### Performance

### F150C

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 110.3 kW (150 ps)       |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 650 – 750 r/min         |
| Fuel consumption              | (*57.9 L/h @5500 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, DOHC with VCT, In-line 4                       |
| Displacement          | 2785 cm <sup>3</sup>                                     |
| Bore × stroke         | 96.0 × 96.2 mm                                           |
| Compression ratio     | 10.3 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LFR6A-11                                                 |
| Alternator            | 50 A (battery charging: 42 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.0 (28/14)               |
| Gear oil capacity   | 0.980 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

General: X, Bass fishing: L

| Feature Table        | F150C                               |
|----------------------|-------------------------------------|
| Environment          | Fuel vaporize control system        |
|                      | Fuel vapor accumulation system      |
|                      | Hydro-carbon gas burning system     |
| Security             | Over rev. limiter                   |
|                      | Overheat warning                    |
|                      | Anti knocking control               |
|                      | Low oil press. warning              |
|                      | Fail safe system                    |
|                      | Immobilizer adaptation              |
|                      | YDIS interface                      |
| Corrosion prevention | Stainless steel water pump housing  |
|                      | Freshwater flushing device          |
| Power unit           | Fuel injection                      |
|                      | Recommended Fuel (RON)              |
|                      | Recommended Fuel (PON)              |
| Control system       | Digital network system (Optional)   |
|                      | Variable trolling switch adaptation |
| Convenience          | Tilt lock lever                     |
|                      | Battery isolator (output)           |

| Optional Accessory        | F150C |
|---------------------------|-------|
| Tilt limiter              |       |
| Immobilizer               |       |
| Steering guide attachment |       |

| Rigging Accessory | F150C                    |
|-------------------|--------------------------|
| Display           | CL5                      |
|                   | MFD Interface            |
| Gauge             | 6Y5                      |
|                   | 6Y7                      |
|                   | 6Y8                      |
| Switch            | 64D                      |
|                   | 6R5                      |
|                   | 6K1                      |
|                   | 6Y8                      |
| Remote control    | 703                      |
|                   | 704                      |
|                   | 6X3                      |
| Propeller         | Black Series             |
|                   | M Series                 |
|                   | Pro Series               |
|                   | Reliance Series          |
|                   | Performance 3 SDS Series |
|                   | Saltwater Series II      |
|                   | Saltwater Series HS4     |
|                   | VMAX SHO Series          |

\*1: X Transom only  
\*2: L Transom only

| Consumes          | F150C |
|-------------------|-------|
| Yamalube gear oil | GL4   |
|                   | GL5   |



F150NET1L

## F150N

### MODEL CODE (Approved code)

F150N 6EH (6EH)

### MODELS AVAILABLE

F150N ET1

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 920 mm (36.2 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 223, 227 kg                                |

### Performance

### F150N

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 110.3 kW (150 ps)       |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 650 – 750 r/min         |
| Fuel consumption              | (*57.9 L/h @5500 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, DOHC with VCT, In-line 4                       |
| Displacement          | 2785 cm <sup>3</sup>                                     |
| Bore × stroke         | 96.0 × 96.2 mm                                           |
| Compression ratio     | 10.3 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LFR6A-11                                                 |
| Alternator            | 50 A (battery charging: 42 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 2.0 (28/14)               |
| Gear oil capacity   | 0.980 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category    General: X, Bass fishing: L

| Feature Table        | F150N                                 |
|----------------------|---------------------------------------|
| Environment          | Fuel vaporize control system •        |
|                      | Fuel vapor accumulation system •      |
|                      | Hydro-carbon gas burning system •     |
| Security             | Over rev. limiter •                   |
|                      | Overheat warning •                    |
|                      | Anti knocking control •               |
|                      | Low oil press. warning •              |
|                      | Fail safe system •                    |
|                      | Immobilizer adaptation •              |
|                      | YDIS interface •                      |
| Corrosion prevention | Stainless steel water pump housing •  |
|                      | Freshwater flushing device •          |
| Power unit           | Fuel injection •                      |
|                      | Recommended Fuel (RON) 94             |
|                      | Recommended Fuel (PON) 89             |
| Control system       | Digital network system (Optional) •   |
|                      | Variable trolling switch adaptation • |
| Convenience          | Tilt lock lever •                     |
|                      | Battery isolator (output) OP          |

| Optional Accessory        | F150N |
|---------------------------|-------|
| Tilt limiter              | •     |
| Immobilizer               | •     |
| Steering guide attachment | •     |

| Rigging Accessory | F150N                           |
|-------------------|---------------------------------|
| Display           | CL5 •                           |
|                   | MFD Interface •                 |
| Gauge             | 6Y5 •                           |
|                   | 6Y7 •                           |
|                   | 6Y8 •                           |
| Switch            | 64D •                           |
|                   | 6R5 •                           |
|                   | 6K1 •                           |
|                   | 6Y8 •                           |
| Remote control    | 703 •                           |
|                   | 704 •                           |
|                   | 6X3 •                           |
| Propeller         | Black Series M, M2 (*1)         |
|                   | M Series M (*1)                 |
|                   | Pro Series M (*2)               |
|                   | Reliance Series M (*1)          |
|                   | Performance 3 SDS Series M (*1) |
|                   | Saltwater Series II T (*1)      |
|                   | Saltwater Series HS4 T (*1)     |
|                   | VMAX SHO Series T (*2)          |

\*1: X Transom only  
\*2: L Transom only

| Consumes          | F150N |
|-------------------|-------|
| Yamalube gear oil | GL4 • |
|                   | GL5 • |



F175BET1L

## F175B

### MODEL CODE (Approved code)

F175B 6FH (6FH)

### MODELS AVAILABLE

F175B ET1

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 920 mm (36.2 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 223, 227 kg                                |

### Performance

### F175B

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 128.7 kW (175 ps)       |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 650 – 750 r/min         |
| Fuel consumption              | (*67.8 L/h @5500 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Engine type           | 16-Valve, DOHC with VCT, In-line 4                       |
| Displacement          | 2785 cm <sup>3</sup>                                     |
| Bore × stroke         | 96.0 × 96.2 mm                                           |
| Compression ratio     | 10.3 :1                                                  |
| Fuel induction system | Fuel injection                                           |
| Lubrication system    | Wet sump                                                 |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                      |
| Ignition timing       | —                                                        |
| Spark plug            | LFR6A-11                                                 |
| Alternator            | 50 A (battery charging: 42 A)                            |
| Cooling system        | Raw-water, thermostatically controlled                   |
| Exhaust system        | Through propeller boss                                   |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 1.86 (26/14)              |
| Gear oil capacity   | 0.980 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

Bass fishing

| Feature Table        | F175B                                 |
|----------------------|---------------------------------------|
| Environmental        | Fuel vaporization control system •    |
|                      | Fuel vapor accumulation system •      |
|                      | Hydro-carbon gas re-burning system •  |
| Security             | Over rev. limiter •                   |
|                      | Overheat warning •                    |
|                      | Anti knocking control •               |
|                      | Low oil pressure warning •            |
|                      | Fail safe system •                    |
|                      | Immobilizer adaptation •              |
|                      | YDIS interface and connection •       |
| Corrosion prevention | Stainless steel water pump housing •  |
|                      | Freshwater flushing device •          |
| Power unit           | Fuel injection •                      |
|                      | Recommended Fuel (RON) 94             |
|                      | Recommended Fuel (PON) 89             |
|                      | Variable camshaft timing •            |
| Control system       | Digital network system (Optional) •   |
|                      | Variable trolling switch adaptation • |
| Convenience          | Tilt lock lever • (x)                 |
|                      | Dual battery charging output •        |

| Optional Accessory | F175B |
|--------------------|-------|
| Tilt limiter       | •     |
| Immobilizer        | •     |

| Rigging Accessory | F175B             |
|-------------------|-------------------|
| Display           | CL5 •             |
|                   | MFD Interface •   |
| Gauge             | 6Y5 •             |
|                   | 6Y7 •             |
|                   | 6Y8 •             |
| Switch            | 64D •             |
|                   | 6R5 •             |
|                   | 6K1 •             |
|                   | 6Y8 •             |
| Remote control    | 703 •             |
|                   | 704 •             |
|                   | 6X3 •             |
| Propeller         | Pro Series M      |
|                   | VMAX SHO Series T |

| Consumes          | F175B |
|-------------------|-------|
| Yamalube gear oil | GL4 • |
|                   | GL5 • |

4-stroke

VMAX SHO



F175HET1L

## F175H

### MODEL CODE (Approved code)

F175H 6FH (6FH)

### MODELS AVAILABLE

F175H ET1

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 920 mm (36.2 in)                           |
| Overall width         | 548 mm (21.6 in)                           |
| Overall height        | L: 1742 mm (68.6 in), X: 1869 mm (73.6 in) |
| Engine transom height | L: 516 mm (20.3 in), X: 643 mm (25.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 223, 227 kg                                |

### Performance

### F175H

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 128.7 kW (175 ps)       |
| Full throttle operating range | 5000 – 6000 r/min       |
| Idling speed                  | 650 – 750 r/min         |
| Fuel consumption              | (*67.8 L/h @5500 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Engine type           | 16-Valve, DOHC with VCT, In-line 4                      |
| Displacement          | 2785 cm <sup>3</sup>                                    |
| Bore × stroke         | 96.0 × 96.2 mm                                          |
| Compression ratio     | 10.3 :1                                                 |
| Fuel induction system | Fuel injection                                          |
| Lubrication system    | Wet sump                                                |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                     |
| Ignition timing       | —                                                       |
| Spark plug            | LFR6A-11                                                |
| Alternator            | 50 A (battery charging: 42 A)                           |
| Cooling system        | Raw-water, thermostatically controlled                  |
| Exhaust system        | Through propeller boss                                  |

### Bracket / Drive

|                     |                           |
|---------------------|---------------------------|
| Trim                | — (continuously variable) |
| Shallow water drive | PTT: variable position    |
| Gear shift          | F-N-R                     |
| Gear ratio          | 1.86 (26/14)              |
| Gear oil capacity   | 0.980 L                   |
| Propeller fitting   | Spline                    |
| Propeller rotation  | Clockwise                 |
| Shaft length        | L, X                      |

Model Category

Bass fishing

| Feature Table        | F175H                               |
|----------------------|-------------------------------------|
| Environmental        | Fuel vaporization control system    |
|                      | Fuel vapor accumulation system      |
|                      | Hydro-carbon gas re-burning system  |
| Security             | Over rev. limiter                   |
|                      | Overheat warning                    |
|                      | Anti knocking control               |
|                      | Low oil pressure warning            |
|                      | Fail safe system                    |
|                      | Immobilizer adaptation              |
|                      | YDIS interface and connection       |
| Corrosion prevention | Stainless steel water pump housing  |
|                      | Freshwater flushing device          |
| Power unit           | Fuel injection                      |
|                      | Recommended Fuel (RON)              |
|                      | Recommended Fuel (PON)              |
|                      | Variable camshaft timing            |
| Control system       | Digital network system (Optional)   |
|                      | Variable trolling switch adaptation |
| Convenience          | Tilt lock lever                     |
|                      | Dual battery charging output        |

| Optional Accessory | F175H |
|--------------------|-------|
| Tilt limiter       |       |
| Immobilizer        |       |

| Rigging Accessory | F175H           |
|-------------------|-----------------|
| Display           | CL5             |
|                   | MFD Interface   |
| Gauge             | 6Y5             |
|                   | 6Y7             |
|                   | 6Y8             |
| Switch            | 64D             |
|                   | 6R5             |
|                   | 6K1             |
|                   | 6Y8             |
| Remote control    | 703             |
|                   | 704             |
|                   | 6X3             |
| Propeller         | Pro Series      |
|                   | VMAX SHO Series |

| Consumes          | F175H |
|-------------------|-------|
| Yamalube gear oil | GL4   |
|                   | GL5   |



F150FETX

## F150F/FL150F

### MODEL CODE (Approved code)

F150F 6BM (6BM)

FL150F 6BN (6BN)

### MODELS AVAILABLE

F150F ET

FL150F ET

### Dimension

|                       |                        |
|-----------------------|------------------------|
| Overall length        | 920 mm (36.2 in)       |
| Overall width         | 548 mm (21.6 in)       |
| Overall height        | X: 1869 mm (73.6 in)   |
| Engine transom height | X: 643 mm (25.3 in)    |
| Minimum distance      | 660 mm (26.0 in)       |
| Steering angle        | 32 deg. each direction |
| Dry weight            | 223 kg                 |

### Performance

|                               |                         |
|-------------------------------|-------------------------|
| Max. prop shaft output        | 110.3 kW (150 ps)       |
| Full throttle operating range | 4500 – 5500 r/min       |
| Idling speed                  | 650 – 750 r/min         |
| Fuel consumption              | (*56.3 L/h @5000 r/min) |
| *: reference data             |                         |

### Engine

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Engine type           | 16-Valve, DOHC, In-line 4                               |
| Displacement          | 2670 cm <sup>3</sup>                                    |
| Bore × stroke         | 94.0 × 96.2 mm                                          |
| Compression ratio     | 9.0 :1                                                  |
| Fuel induction system | Fuel injection                                          |
| Lubrication system    | Wet sump                                                |
| Engine oil capacity   | 4.5 L/ 4.3 L<br>(with / without oil filter replacement) |
| Ignition system       | TCI                                                     |
| Ignition timing       | —                                                       |
| Spark plug            | LFR5A-11                                                |
| Alternator            | 35 A (battery charging: 21 A)                           |
| Cooling system        | Raw-water, thermostatically controlled                  |
| Exhaust system        | Through propeller boss                                  |

### Bracket / Drive

|                     |                           |                   |
|---------------------|---------------------------|-------------------|
| Trim                | — (continuously variable) |                   |
| Shallow water drive | PTT: variable position    |                   |
| Gear shift          | F-N-R                     |                   |
| Gear ratio          | 2.00 (28/14)              |                   |
| Gear oil capacity   | 0.980 L                   |                   |
| Propeller fitting   | Spline                    |                   |
| Propeller rotation  | Clockwise                 | Counter clockwise |
| Shaft length        | X                         |                   |

Model Category

Commercial use

| Feature Table        |                                     | F150F | FL150F |
|----------------------|-------------------------------------|-------|--------|
| Environment          | Fuel vaporize control system        | •     | •      |
|                      | Fuel vapor accumulation system      | •     | •      |
|                      | Hydro-carbon gas burning system     | •     | •      |
| Security             | Over rev. limiter                   | •     | •      |
|                      | Overheat warning                    | •     | •      |
|                      | Low oil press. warning              | •     | •      |
|                      | Fail safe system                    | •     | •      |
|                      | Immobilizer adaptation              | •     | •      |
|                      | YDIS interface                      | •     | •      |
| Corrosion prevention | Chrome plated water pump housing    | •     | •      |
|                      | Anodic coated muffler               | •     | •      |
|                      | Anodic lower casing                 | •     | •      |
|                      | Freshwater flushing device          | •     | •      |
| Power unit           | Fuel injection                      | •     | •      |
|                      | Recommended Fuel (RON)              | 90    | 90     |
|                      | Recommended Fuel (PON)              | 86    | 86     |
| Control system       | Digital network system (Optional)   | •     | •      |
|                      | Variable trolling switch adaptation | •     | •      |
| Convenience          | Tilt lock lever                     | •     | •      |
|                      | Battery isolator (output)           | •     | •      |

| Optional Accessory |                           | F150F | FL150F |
|--------------------|---------------------------|-------|--------|
| Immobilizer        | Steering guide attachment | •     | •      |
|                    | Tie bar                   | —     | •      |

| Rigging Accessory |                          | F150F         | FL150F |
|-------------------|--------------------------|---------------|--------|
| Display           | CL5                      | •             | •      |
|                   | MFD Interface            | •             | •      |
| Gauge             | 6Y5                      | •             | •      |
|                   | 6Y7                      | •             | •      |
|                   | 6Y8                      | •             | •      |
| Switch            | 64D                      | •             | •      |
|                   | 6R5                      | •             | •      |
|                   | 6K1                      | •             | •      |
|                   | 6Y8                      | •             | •      |
| Remote control    | 703                      | •             | •      |
|                   | 704                      | •             | •      |
|                   | 6X3                      | •             | •      |
| Propeller         | Black Series             | M, M2/ML, ML1 |        |
|                   | M Series                 | M/ML          |        |
|                   | Reliance Series          | M/ML          |        |
|                   | Performance 3 SDS Series | M/ML          |        |
|                   | Saltwater Series II      | T/TL          |        |
|                   | Saltwater Series HS4     | T/TL          |        |

| Consumes          |     | F150F | FL150F |
|-------------------|-----|-------|--------|
| Yamalube gear oil | GL4 | •     | •      |
|                   | GL5 | •     | •      |

4-stroke

Commercial



F300DETX

## F300D/FL300D

### MODEL CODE (Approved code)

F300D 6JD (6JD)

FL300D 6JE (6JE)

### MODELS AVAILABLE

F300D / FL300D ET

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 958 mm (37.7 in)                           |
| Overall width         | 634 mm (25.0 in)                           |
| Overall height        | X: 1915 mm (75.4 in), U: 2042 mm (80.4 in) |
| Engine transom height | X: 642 mm (25.3 in), U: 769 mm (30.3 in)   |
| Minimum distance      | 724 mm (28.5 in)                           |
| Steering angle        | 32 deg. each direction                     |
| Dry weight            | 269 – 276 kg                               |

### Performance

### F300D / FL300D

|                               |                          |
|-------------------------------|--------------------------|
| Max. prop shaft output        | 220.6 kW (300 ps)        |
| Full throttle operating range | 5000 – 6000 r/min        |
| Idling speed                  | 650 – 750 r/min          |
| Fuel consumption              | (*105.0 L/h @5500 r/min) |
| *: reference data             |                          |

### Engine

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Engine type           | 24-Valve, DOHC with VCT, 60 deg. V6                       |
| Displacement          | 4169 cm <sup>3</sup>                                      |
| Bore × stroke         | 96.0 × 96.0 mm                                            |
| Compression ratio     | 10.3 :1                                                   |
| Fuel induction system | Fuel injection                                            |
| Lubrication system    | Wet sump                                                  |
| Engine oil capacity   | 6.3 L / 6.0 L<br>(with / without oil fi lter replacement) |
| Ignition system       | TCI                                                       |
| Ignition timing       | —                                                         |
| Spark plug            | LFR6A-11                                                  |
| Alternator            | 70 A (battery charging: 55 A)                             |
| Cooling system        | Raw-water, thermostatically controlled                    |
| Exhaust system        | Through propeller boss                                    |

### Bracket / Drive

|                     |                               |
|---------------------|-------------------------------|
| Trim                | — (continuously variable)     |
| Shallow water drive | PTT: variable position        |
| Gear shift          | F-N-R                         |
| Gear ratio          | 1.73 (26/15)                  |
| Gear oil capacity   | 1.480 L / 1.328 L             |
| Propeller fitting   | Spline                        |
| Propeller rotation  | Clockwise / Counter clockwise |
| Shaft length        | X, U                          |

Model Category

Commercial use

| Feature Table        | F300D/FL300D                                         |
|----------------------|------------------------------------------------------|
| Environment          | Fuel vaporize control system •                       |
|                      | Fuel vapor accumulation system •                     |
|                      | Hydro-carbon gas burning system •                    |
| Security             | Over rev. limiter •                                  |
|                      | Overheat warning •                                   |
|                      | Anti knocking control •                              |
|                      | Low oil press. warning •                             |
|                      | Fail safe system •                                   |
|                      | Immobilizer adaptation •                             |
|                      | YDIS interface •                                     |
|                      | Dual water inlet •                                   |
| Corrosion prevention | Prop damper cooler •                                 |
|                      | Stainless steel water pump housing •                 |
|                      | Anodic coated muffler •                              |
| Power unit           | Freshwater flushing device •                         |
|                      | Fuel injection •                                     |
|                      | Recommended Fuel (RON) 90                            |
|                      | Recommended Fuel (PON) 86                            |
|                      | Plasma fused sleeves cylinder •                      |
|                      | Variable cam timing •                                |
| Control system       | Digital Electronic Control (DEC) •                   |
|                      | Digital Electronic Steering (DES) (Optional) Bolt-on |
|                      | Digital network system (Optional) •                  |
|                      | Digital network system II (Optional) •               |
|                      | One-touch start/stop control •                       |
|                      | Variable trolling switch adaptation •                |
| Convenience          | Tilt lock lever •                                    |
|                      | Battery isolator (output) •                          |

| Optional Accessory        | F300D/FL300D |
|---------------------------|--------------|
| Tilt limiter              | •            |
| Immobilizer               | •            |
| Steering guide attachment | •            |

| Rigging Accessory          | F300D/FL300D                  |
|----------------------------|-------------------------------|
| Display                    | CL5 •                         |
|                            | MFD Interface •               |
| Gauge                      | 6Y8 •                         |
|                            | 6X9 (EKS) •                   |
| Switch                     | 6X6 •                         |
|                            | 64D •                         |
| Remote control             | 6X9 (DEC) •                   |
| Helm/Tilt unit             | 6GR •                         |
|                            | 6X9 •                         |
| Autopilot (Helm Master EX) | Autopilot panel •             |
|                            | GPS unit •                    |
|                            | Heading sensor •              |
| Joystick (Helm Master EX)  | BCU •                         |
|                            | Joystick controller •         |
|                            | LED assy (Propeller. light) • |
| Propeller                  | Saltwater Series XL X/XL      |
|                            | Saltwater Series XL4 X/XL     |

| Consumes              | F300D/FL300D |
|-----------------------|--------------|
| Yamalube gear oil GL5 | •            |

4-stroke

Commercial

# Comparison Specifications

Carburetor model

| YAMAHA<br>F2.5B               |                                   | MERCURY<br>2.5/3.5                                     | HONDA<br>BF2.3                              | SUZUKI<br>DF2.5        | TOHATSU<br>MFS2.5C/<br>MFS3.5C                             |
|-------------------------------|-----------------------------------|--------------------------------------------------------|---------------------------------------------|------------------------|------------------------------------------------------------|
| Engine type                   | OHV,<br>1-cylinder                | OHV,<br>1 cylinder                                     | Air-cooled OHV<br>- 1 cylinder/<br>2 Valves | OHV,<br>1 cylinder     | 1 cylinder                                                 |
| Displacement                  | 72 cm³                            | 85 cc                                                  | 57.2 cc                                     | 68 cm³                 | 85.5 cc                                                    |
| Bore × Stroke                 | 54.0 × 31.5 mm                    | 55 × 36 mm                                             | 45 × 36 mm                                  | 48 × 38 mm             | 55 × 36 mm                                                 |
| Max. prop shaft output        | 1.8 kW<br>(2.5 ps)<br>@5500 r/min | 2.5:<br>2.5 HP/1.9 kW<br>3.5:<br>3.5 HP/2.6 kW         | 2.3 hp<br>(1.7 kw)                          | 1.8 kW<br>(2.5 PS)     | MFS2.5C:<br>2.5 HP (1.8 kw)<br>MFS3.5C:<br>3.5 HP (2.6 kw) |
| Full throttle operating range | 5250-5750 r/min                   | 2.5:<br>4500-5500rpm<br>3.5:<br>5000-6000rpm           | 5000-6000 rpm                               | 5250-5750 rpm          | MFS2.5C:<br>4500-5500rpm<br>MFS3.5C:<br>5000-6000rpm       |
| Fuel induction system         | 1 carburetor                      | Carbureted                                             | 1 carburetor                                | Carburetor             | Carburetor                                                 |
| Ignition system               | TCI                               | CDI<br>w/electronic<br>spark advance                   | Transistorized                              | Digital CDI            | —                                                          |
| Gear ratio                    | 2.08<br>(27/13)                   | 2.15:1                                                 | 2.42:1                                      | 2.15:1                 | 2.15:1                                                     |
| Dry weight with prop.         | 17-18 kg                          | 18 kg                                                  | 13-14 kg                                    | 13.5-14 kg             | 18.4 kg                                                    |
| Engine transom height         | S: 433 mm<br>L: 560 mm            | 2.5:<br>15"/381 mm<br>3.5:<br>15"/381 mm<br>20"/508 mm | S: 418 mm<br>L: 571 mm                      | S: 381 mm<br>L: 508 mm | S: 381 mm<br>L: 562 mm                                     |
| Alternator                    | —<br>(not available)              | —                                                      | —                                           | —                      | —                                                          |

| YAMAHA<br>F4B                 |                                                   | MERCURY<br>4                         | HONDA<br>BF4                     | SUZUKI<br>DF4A                | TOHATSU<br>MFS4D          |
|-------------------------------|---------------------------------------------------|--------------------------------------|----------------------------------|-------------------------------|---------------------------|
| Engine type                   | OHV,<br>1-cylinder                                | OHV,<br>1 cylinder                   | OHV -<br>1 cylinder/<br>2 Valves | OHV,<br>1 cylinder            | 1 cylinder                |
| Displacement                  | 139 cm³                                           | 123 cc                               | 127 cc                           | 138 cm³                       | 123 cc                    |
| Bore × Stroke                 | 62.0 × 46.0 mm                                    | 59 × 45 mm                           | 60 × 45 mm                       | 60.4 × 48 mm                  | 59 × 45 mm                |
| Max. prop shaft output        | 2.9 kW<br>(4 ps)<br>@4500 r/min                   | 4 HP/<br>2.9 kW                      | 4 hp<br>(2.9 kw)<br>@5000 rpm    | 2.9 kW<br>(4 PS)/<br>4500 rpm | 4 HP (2.9 kw)             |
| Full throttle operating range | 4000-5000 r/min                                   | 4500-5500 rpm                        | 4500-5500 rpm                    | 4000-5000 rpm                 | 4500-5500 rpm             |
| Fuel induction system         | 1 carburetor                                      | Carbureted                           | 1 carburetor                     | Carburetor                    | Carburetor                |
| Ignition system               | CDI                                               | CDI<br>w/electronic<br>spark advance | Digital CDI                      | Digital CDI                   | —                         |
| Gear ratio                    | 2.08<br>(27/13)                                   | 2.15:1                               | 2.08:1                           | 1.92:1                        | 2.15:1                    |
| Dry weight with prop.         | 27-28 kg                                          | 26 kg                                | 27-27.5 kg                       | 24-25 kg                      | 26 kg                     |
| Engine transom height         | S: 435 mm<br>L: 562 mm                            | 15"/381 mm<br>20"/508 mm             | S: 434 mm<br>L: 561 mm           | S: 381 mm<br>L: 508 mm        | S: 381 mm<br>L: 508 mm    |
| Alternator                    | 6 Amp with<br>Rectifier<br>regulator<br>*optional | —                                    | Opt. 6-Amp                       | 12V 5A<br>(Option)            | Optional:<br>12V, 60W, 5A |

**Carburetor model**

| YAMAHA<br>F5A                 |                                          | MERCURY<br>5                   | HONDA<br>BF5               | SUZUKI<br>DF5A          | TOHATSU<br>MFS5D       |
|-------------------------------|------------------------------------------|--------------------------------|----------------------------|-------------------------|------------------------|
| Engine type                   | OHV, 1-cylinder                          | OHV, 1 cylinder                | OHV - 1 cylinder/ 2 Valves | OHV, 1 cylinder         | 1 cylinder             |
| Displacement                  | 139 cm³                                  | 123 cc                         | 127 cc                     | 138 cm³                 | 123 cc                 |
| Bore × Stroke                 | 62.0 × 46.0 mm                           | 59 × 45 mm                     | 60 × 45 mm                 | 60.4 × 48 mm            | 59 × 45 mm             |
| Max. prop shaft output        | 3.7 kW (5 ps) @5000 r/min                | 5 HP/ 3.7 kW                   | 5 hp (3.7 kw) @5500 rpm    | 3.7 kW (5 PS)/ 5000 rpm | 5 HP (3.7 kw)          |
| Full throttle operating range | 4500-5500 r/min                          | 4500-5500 rpm                  | 4500-5500 rpm              | 4500-5500 rpm           | 4500-5500 rpm          |
| Fuel induction system         | 1 carburetor                             | Carbureted                     | 1 carburetor               | Carburetor              | Carburetor             |
| Ignition system               | CDI                                      | CDI w/electronic spark advance | Digital CDI                | Digital CDI             | —                      |
| Gear ratio                    | 2.08 (27/13)                             | 2.15:1                         | 2.08:1                     | 1.92:1                  | 2.15:1                 |
| Dry weight with prop.         | 27-28 kg                                 | 26 kg                          | 27-27.5 kg                 | 24-25 kg                | 25-26.1 kg             |
| Engine transom height         | S: 435 mm<br>L: 562 mm                   | 15"/381 mm<br>25"/635 mm       | S: 434 mm<br>L: 561 mm     | S: 381 mm<br>L: 508 mm  | S: 381 mm<br>L: 508 mm |
| Alternator                    | 6 Amp with Rectifier regulator *optional | —                              | 3-Amp, Opt. 6-Amp          | 12V 5A (Option)         | Optional: 12V, 60W, 5A |

| YAMAHA<br>F6C                 |                                          | MERCURY<br>6                   | HONDA<br>BF6               | SUZUKI<br>DF6A          | TOHATSU<br>MFS6D/SP                                              |
|-------------------------------|------------------------------------------|--------------------------------|----------------------------|-------------------------|------------------------------------------------------------------|
| Engine type                   | OHV, 1-cylinder                          | OHV, 1 cylinder                | OHV - 1 cylinder/ 2 Valves | OHV, 1 cylinder         | 1 cylinder                                                       |
| Displacement                  | 139 cm³                                  | 123 cc                         | 127 cm³                    | 138 cm³                 | 123 cc                                                           |
| Bore × Stroke                 | 62.0 × 46.0 mm                           | 59 × 45 mm                     | 60 × 45 mm                 | 60.4 × 48 mm            | 59 × 45 mm                                                       |
| Max. prop shaft output        | 4.4 kW (6 ps) @5000 r/min                | 6 HP/ 4.4 kW                   | 6 hp (4.4 kw) @5500 rpm    | 4.4 kW (6 PS)/ 5250 rpm | 6 HP (4.4 kw)                                                    |
| Full throttle operating range | 4500-5500 r/min                          | 5000-6000 rpm                  | 4000-6000 rpm              | 4750-5750 rpm           | 5000-6000 rpm                                                    |
| Fuel induction system         | 1 carburetor                             | Carbureted                     | 1 carburetor               | Carburetor              | Carburetor                                                       |
| Ignition system               | CDI                                      | CDI w/electronic spark advance | Digital CDI                | Digital CDI             | —                                                                |
| Gear ratio                    | 2.08 (27/13)                             | 2.15:1                         | 2.08:1                     | 1.92:1                  | 2.15:1                                                           |
| Dry weight with prop.         | 27-28 kg                                 | 26 kg                          | 27-27.5 kg                 | 24-25 kg                | MFS6D: 25-26.1 kg<br>MFS6SP: 26.1-26.6 kg                        |
| Engine transom height         | S: 435 mm<br>L: 562 mm                   | 15"/381 mm<br>20"/508 mm       | S: 434 mm<br>L: 561 mm     | S: 381 mm<br>L: 508 mm  | MFS6D: S: 381 mm<br>L: 508 mm<br>MFS6SP: L: 563 mm<br>UL: 690 mm |
| Alternator                    | 6 Amp with Rectifier regulator *optional | —                              | Opt. 6-Amp                 | 12V 5A (Option)         | MFS6D: Optional: 12V, 60W, 5A<br>MFS6SP: Standard: 12V, 60W, 5A  |

**Carburetor model**

| YAMAHA F6D                    |                              | MERCURY 6                      | HONDA BF6                  | SUZUKI DF6A             | TOHATSU MFS6D/SP                                                 |
|-------------------------------|------------------------------|--------------------------------|----------------------------|-------------------------|------------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2              | OHV, 1 cylinder                | OHV - 1 cylinder/ 2 Valves | OHV, 1 cylinder         | 1 cylinder                                                       |
| Displacement                  | 212 cm <sup>3</sup>          | 123 cc                         | 127 cm <sup>3</sup>        | 138 cm <sup>3</sup>     | 123 cc                                                           |
| Bore × Stroke                 | 56.0 × 43.0 mm               | 59 × 45 mm                     | 60 × 45 mm                 | 60.4 × 48 mm            | 59 × 45 mm                                                       |
| Max. prop shaft output        | 4.4 kW (6 ps)<br>@5500 r/min | 6 HP/ 4.4 kW                   | 6 hp (4.4 kw)<br>@5500 rpm | 4.4 kW (6 PS)/ 5250 rpm | 6 HP (4.4 kw)                                                    |
| Full throttle operating range | 5000-6000 r/min              | 5000-6000 rpm                  | 4000-6000 rpm              | 4750-5750 rpm           | 5000-6000 rpm                                                    |
| Fuel induction system         | 1 carburetor                 | Carbureted                     | 1 carburetor               | Carburetor              | Carburetor                                                       |
| Ignition system               | CDI                          | CDI w/electronic spark advance | Digital CDI                | Digital CDI             | —                                                                |
| Gear ratio                    | 2.08 (27/13)                 | 2.15:1                         | 2.08:1                     | 1.92:1                  | 2.15:1                                                           |
| Dry weight with prop.         | 40, 41 kg                    | 26 kg                          | 27-27.5 kg                 | 24-25 kg                | MFS6D: 25-26.1 kg<br>MFS6SP: 26.1-26.6 kg                        |
| Engine transom height         | S: 431 mm<br>L: 558 mm       | 15"/381 mm<br>20"/508 mm       | S: 434 mm<br>L: 561 mm     | S: 381 mm<br>L: 508 mm  | MFS6D: S: 381 mm<br>L: 508 mm<br>MFS6SP: L: 563 mm<br>UL: 690 mm |
| Alternator                    | —                            | —                              | Opt. 6-Amp                 | 12V 5A (Option)         | MFS6D: Optional: 12V, 60W, 5A<br>MFS6SP: Standard: 12V, 60W, 5A  |

| YAMAHA F8F                    |                                               | MERCURY 8                      | HONDA BF8                                                            | SUZUKI DF8A                         | TOHATSU MFS8B                                              |
|-------------------------------|-----------------------------------------------|--------------------------------|----------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2                               | SOHC, Inline 2                 | SOHC - 2 cylinders/ 4 Valves                                         | OHC, 2 cylinders                    | 2 cylinders                                                |
| Displacement                  | 212 cm <sup>3</sup>                           | 208 cc                         | 222 cc                                                               | 208 cm <sup>3</sup>                 | 209 cc                                                     |
| Bore × Stroke                 | 56.0 × 43.0 mm                                | 55 × 44 mm                     | 58 × 42 mm                                                           | 51 × 51 mm                          | 55 × 44 mm                                                 |
| Max. prop shaft output        | 5.9 kW (8 ps)<br>@5500 r/min                  | 8 HP/ 5.9 kW                   | 8 hp (5.9 kw)<br>@5000 rpm                                           | 5.9 kW (8 PS)/ 5200 rpm             | 8 HP (5.9 kw)                                              |
| Full throttle operating range | 5000-6000 r/min                               | 5000-6000 rpm                  | 4500-5500 rpm                                                        | 4700-5700 rpm                       | 5000-6000 rpm                                              |
| Fuel induction system         | 1 carburetor                                  | Carbureted                     | 1 carburetor                                                         | Carburetor                          | Carburetor                                                 |
| Ignition system               | CDI                                           | CDI w/electronic spark advance | PGM-IG                                                               | Digital CDI                         | —                                                          |
| Gear ratio                    | 2.08 (27/13)                                  | 2.08:1                         | 2.33:1                                                               | 2.08:1                              | 2.08:1                                                     |
| Dry weight with prop.         | 40-45 kg                                      | 38 kg                          | 42-48 kg                                                             | 39-46 kg                            | 37.0-41.0 kg                                               |
| Engine transom height         | S: 431 mm<br>L: 558 mm                        | 15"/381 mm<br>20"/508 mm       | S: 381 mm<br>L: 508 mm<br>X: 635 mm                                  | S: 381 mm<br>L: 508 mm              | S: 381 mm<br>L: 508 mm                                     |
| Alternator                    | 6 Amp with Rectifier regulator (MH: optional) | 6 amp (76 watt)                | 12-Amp (148 watt) (Electric Start)<br>6-Amp (76 watt) (Manual Start) | Manual: 12V 6A<br>Electric: 12V 10A | Optional: 12V, 80W, 6A (Standard on Electric Start Models) |

**Carburetor model**

| <b>YAMAHA<br/>FT8G</b>        |                                               | <b>MERCURY<br/>—</b> | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------|-----------------------------------------------|----------------------|--------------------|---------------------|----------------------|
| Engine type                   | SOHC, In-line 2                               | —                    | —                  | —                   | —                    |
| Displacement                  | 212 cm³                                       | —                    | —                  | —                   | —                    |
| Bore × Stroke                 | 56.0 × 43.0 mm                                | —                    | —                  | —                   | —                    |
| Max. prop shaft output        | 5.9 kW (8 ps) @5500 r/min                     | —                    | —                  | —                   | —                    |
| Full throttle operating range | 5000-6000 r/min                               | —                    | —                  | —                   | —                    |
| Fuel induction system         | 1 carburetor                                  | —                    | —                  | —                   | —                    |
| Ignition system               | CDI                                           | —                    | —                  | —                   | —                    |
| Gear ratio                    | 2.92 (38/13)                                  | —                    | —                  | —                   | —                    |
| Dry weight with prop.         | 43-49 kg                                      | —                    | —                  | —                   | —                    |
| Engine transom height         | L: 552 mm<br>X: 620 mm                        | —                    | —                  | —                   | —                    |
| Alternator                    | 6 Amp with Rectifier regulator (MH: optional) | —                    | —                  | —                   | —                    |

| <b>YAMAHA<br/>F9.9J</b>       |                                               | <b>MERCURY<br/>9.9</b>         | <b>HONDA<br/>BF9.9</b>                                               | <b>SUZUKI<br/>DF9.9A</b>  | <b>TOHATSU<br/>MFS9.8B</b>                                 |
|-------------------------------|-----------------------------------------------|--------------------------------|----------------------------------------------------------------------|---------------------------|------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2                               | SOHC, In-line 2                | SOHC - 2 cylinders/ 4 Valves                                         | OHC, 2 cylinders          | 2 cylinders                                                |
| Displacement                  | 212 cm³                                       | 208 cc                         | 222 cc                                                               | 208 cm³                   | 209 cc                                                     |
| Bore × Stroke                 | 56.0 × 43.0 mm                                | 55 × 44 mm                     | 58 × 42 mm                                                           | 51 × 51 mm                | 55 × 44 mm                                                 |
| Max. prop shaft output        | 7.3 kW (9.9 ps) @5500 r/min                   | 9.9 HP/ 7.3 kW                 | 9.9 hp (7.3 kw) @5500 rpm                                            | 7.3 kW (9.9 PS)/ 5700 rpm | 9.8 HP (7.2 kw)                                            |
| Full throttle operating range | 5000-6000 r/min                               | 5000-6000 rpm                  | 5000-6000 rpm                                                        | 5200-6200 rpm             | 5000-6000 rpm                                              |
| Fuel induction system         | 1 carburetor                                  | Carbureted                     | 1 carburetor                                                         | Carburetor                | Carburetor                                                 |
| Ignition system               | CDI                                           | CDI w/electronic spark advance | PGM-IG                                                               | Digital CDI               | —                                                          |
| Gear ratio                    | 2.08 (27/13)                                  | 2.08:1                         | 2.33:1                                                               | 2.08:1                    | 2.08:1                                                     |
| Dry weight with prop.         | 40-43 kg                                      | 38 kg                          | 42-48 kg                                                             | 39-41.5 kg                | 37.0-41.0 kg                                               |
| Engine transom height         | S: 431 mm<br>L: 558 mm                        | 15"/381 mm<br>20"/508 mm       | S: 381 mm<br>L: 508 mm<br>X: 635 mm                                  | S: 381 mm<br>L: 508 mm    | S: 381 mm<br>L: 508 mm<br>UL: 635 mm                       |
| Alternator                    | 6 Amp with Rectifier regulator (MH: optional) | 6 amp (76 watt)                | 12-Amp (148 watt) (Electric Start)<br>6-Amp (76 watt) (Manual Start) | 12V 6A                    | Optional: 12V, 80W, 6A (Standard on Electric Start Models) |

**Carburetor model**

| YAMAHA<br>FT9.9L              |                                               | MERCURY<br>9.9 ProKicker/<br>9.9 CT      | HONDA<br>— | SUZUKI<br>DF9.9BT                      | TOHATSU<br>— |
|-------------------------------|-----------------------------------------------|------------------------------------------|------------|----------------------------------------|--------------|
| Engine type                   | SOHC, In-line 2                               | SOHC, In-line 2                          | —          | OHC, 2 cylinders                       | —            |
| Displacement                  | 212 cm³                                       | 208 cc                                   | —          | 327 cc                                 | —            |
| Bore × Stroke                 | 56.0 × 43.0 mm                                | 55 × 44 mm                               | —          | 60 × 57 mm                             | —            |
| Max. prop shaft output        | 7.3 kW (9.9 ps) @5500 r/min                   | 9.9 HP/ 7.3 kW                           | —          | 7.3 kW (9.9 PS)/ 5200 rpm              | —            |
| Full throttle operating range | 5000-6000 r/min                               | 5000-6000 rpm                            | —          | 4700-5700 rpm                          | —            |
| Fuel induction system         | 1 carburetor                                  | Carbureted                               | —          | Battery-less electronic fuel injection | —            |
| Ignition system               | CDI                                           | CDI w/electronic spark advance           | —          | Digital CDI                            | —            |
| Gear ratio                    | 2.92 (38/13)                                  | 2.42:1                                   | —          | 2.08:1                                 | —            |
| Dry weight with prop.         | 45-50 kg                                      | 9.9 ProKicker: 49 kg<br>9.9 CT: 44 kg    | —          | 54.0-57.0 kg                           | —            |
| Engine transom height         | L: 552 mm<br>X: 620 mm                        | 20"/508 mm<br>25"/635 mm (25": CT model) | —          | L: 549 mm<br>X: 676 mm                 | —            |
| Alternator                    | 6 Amp with Rectifier regulator (MH: optional) | 6 amp (76 watt)                          | —          | 12V 12A                                | —            |

| YAMAHA<br>F9.9H               |                                 | MERCURY<br>9.9                 | HONDA<br>BF9.9                                                       | SUZUKI<br>DF9.9B                                              | TOHATSU<br>MFS9.9E                                           |
|-------------------------------|---------------------------------|--------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2                 | SOHC, In-line 2                | SOHC - 2 cylinders/ 4 Valves                                         | OHC, 2 cylinders                                              | 2 cylinders                                                  |
| Displacement                  | 362 cm³                         | 208 cc                         | 222 cc                                                               | 327 cm³                                                       | 333 cc                                                       |
| Bore × Stroke                 | 63.0 × 58.1 mm                  | 55 × 44 mm                     | 58 × 42 mm                                                           | 60.4 × 57 mm                                                  | 61 × 57 mm                                                   |
| Max. prop shaft output        | 7.3 kW (9.9 ps) @5500 r/min     | 9.9 HP/ 7.3 kW                 | 9.9 hp (7.3 kw) @5500 rpm                                            | 7.3 kw (9.9 PS)/ 5200 rpm                                     | 9.9 HP (7.3 kw)                                              |
| Full throttle operating range | 5000-6000 r/min                 | 5000-6000 rpm                  | 5000-6000 rpm                                                        | 4700-5700 rpm                                                 | 5400-6100 rpm                                                |
| Fuel induction system         | 1 carburetor                    | Carbureted                     | 1 carburetor                                                         | Battery-Less Multi-Point Sequential Electronic Fuel Injection | EFI                                                          |
| Ignition system               | CDI                             | CDI w/electronic spark advance | PGM-IG                                                               | Digital CDI                                                   | —                                                            |
| Gear ratio                    | 2.08 (27/13)                    | 2.08:1                         | 2.33:1                                                               | 2.08:1                                                        | 2.15:1                                                       |
| Dry weight with prop.         | 51-53 kg                        | 38 kg                          | 42-48 kg                                                             | 44-45 kg                                                      | 43.0-55.0 kg                                                 |
| Engine transom height         | S: 438 mm<br>L: 565 mm          | 15"/381 mm<br>20"/508 mm       | S: 381 mm<br>L: 508 mm<br>X: 635 mm                                  | S: 381 mm<br>L: 508 mm                                        | S: 381 mm<br>L: 508 mm                                       |
| Alternator                    | 10 Amp with Rectifier regulator | 6 amp (76 watt)                | 12-Amp (148 watt) (Electric Start)<br>6-Amp (76 watt) (Manual Start) | 12V 6A                                                        | Optional: 12V, 145W, 12A (Standard on Electric Start Models) |

**Carburetor model**

| YAMAHA<br>F15C                |                                 | MERCURY<br>15 EFI/<br>15 ProKicker/<br>15 SeaPro           | HONDA<br>BF15                                                     | SUZUKI<br>DF15A                                               | TOHATSU<br>MFS15E                                            |
|-------------------------------|---------------------------------|------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2                 | SOHC, Inline 2                                             | SOHC - 2 cylinders/ 4 Valves                                      | OHC, 2 cylinders                                              | 2 cylinders                                                  |
| Displacement                  | 362 cm³                         | 333 cc                                                     | 350 cc                                                            | 327 cm³                                                       | 333 cc                                                       |
| Bore × Stroke                 | 63.0 × 58.1 mm                  | 61 × 57 mm                                                 | 59 × 64 mm                                                        | 60.4 × 57 mm                                                  | 61 × 57 mm                                                   |
| Max. prop shaft output        | 11.0 kW (15 ps) @5500 r/min     | 15 HP/ 11.1 kW                                             | 15 hp (11.0 kW) @5000 rpm                                         | 11.0 kW (15 PS)/ 5500 rpm                                     | 15 HP (11.0 kW)                                              |
| Full throttle operating range | 5000-6000 r/min                 | 15 EFI/ 15 ProKicker: 5700-6200rpm 15 SeaPro: 4500-5500rpm | 4500-5500 rpm                                                     | 5000-6000 rpm                                                 | 5400-6100 rpm                                                |
| Fuel induction system         | 1 carburetor                    | Electronic Fuel Injection (EFI)                            | 1 carburetor                                                      | Battery-Less Multi-Point Sequential Electronic Fuel Injection | EFI                                                          |
| Ignition system               | CDI                             | CDI w/electronic spark advance                             | PGM-IG                                                            | Digital CDI                                                   | —                                                            |
| Gear ratio                    | 2.08 (27/13)                    | 2.15:1                                                     | 2.08:1                                                            | 2.08:1                                                        | 2.15:1                                                       |
| Dry weight with prop.         | 51-61 kg                        | 15 EFI/ 15 SeaPro: 45 kg 15 ProKicker: 56 kg               | 47-52 kg                                                          | 44-49 kg                                                      | 43.0-52.5 kg                                                 |
| Engine transom height         | S: 438 mm L: 565 mm             | 15 EFI/ 15 SeaPro: 15", 20" 15 ProKicker: 20", 25"         | S: 381 mm L: 508 mm X: 635 mm                                     | S: 381 mm L: 508 mm                                           | S: 381 mm L: 508 mm                                          |
| Alternator                    | 10 Amp with Rectifier regulator | 12 amp (145 watt)                                          | 12-Amp (148 watt) (Electric Start) 6-Amp (76 watt) (Manual Start) | Manual: 12V 6A Electric: 12V 12A                              | Optional: 12V, 145W, 12A (Standard on Electric Start Models) |

| YAMAHA<br>F20B                |                                 | MERCURY<br>20 EFI               | HONDA<br>BF20                                                     | SUZUKI<br>DF20A                                               | TOHATSU<br>MFS20E                                            |
|-------------------------------|---------------------------------|---------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2                 | SOHC, Inline 2                  | SOHC - 2 cylinders/ 4 Valves                                      | OHC, 2 cylinders                                              | 2 cylinders                                                  |
| Displacement                  | 362 cm³                         | 333 cc                          | 350 cc                                                            | 327 cm³                                                       | 333 cc                                                       |
| Bore × Stroke                 | 63.0 × 58.1 mm                  | 61 × 57 mm                      | 59 × 64 mm                                                        | 60.4 × 57 mm                                                  | 61 × 57 mm                                                   |
| Max. prop shaft output        | 14.7 kW (20 ps) @5500 r/min     | 20 HP/ 14.7 kW                  | 20 hp (14.7 kW) @5500 rpm                                         | 14.7 kW (20 PS)/ 5800 rpm                                     | 20 HP (14.7 kW)                                              |
| Full throttle operating range | 5000-6000 r/min                 | 5700-6200 rpm                   | 5000-6000 rpm                                                     | 5300-6300 rpm                                                 | 5400-6100 rpm                                                |
| Fuel induction system         | 1 carburetor                    | Electronic Fuel Injection (EFI) | 1 carburetor                                                      | Battery-Less Multi-Point Sequential Electronic Fuel Injection | EFI                                                          |
| Ignition system               | CDI                             | CDI w/electronic spark advance  | PGM-IG                                                            | Digital CDI                                                   | —                                                            |
| Gear ratio                    | 2.08 (27/13)                    | 2.15:1                          | 2.08:1                                                            | 2.08:1                                                        | 2.15:1                                                       |
| Dry weight with prop.         | 51-61 kg                        | 45 kg                           | 47-50 kg                                                          | 44-49 kg                                                      | 43.0-53.5 kg                                                 |
| Engine transom height         | S: 438 mm L: 565 mm             | 15"/381 mm 20"/508 mm           | S: 381 mm L: 508 mm                                               | S: 381 mm L: 508 mm                                           | S: 381 mm L: 508 mm                                          |
| Alternator                    | 10 Amp with Rectifier regulator | 12 amp (145 watt)               | 12-Amp (151 watt) (Electric Start) 6-Amp (76 watt) (Manual Start) | Manual: 12V 6A Electric: 12V 12A                              | Optional: 12V, 145W, 12A (Standard on Electric Start Models) |

**Fuel Injection model**

| YAMAHA F20G                   |                                 | MERCURY 20 EFI                  | HONDA BF20                                                           | SUZUKI DF20A                                                  | TOHATSU MFS20E                                               |
|-------------------------------|---------------------------------|---------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2                 | SOHC, Inline 2                  | SOHC - 2 cylinders/ 4 Valves                                         | OHC, 2 cylinders                                              | 2 cylinders                                                  |
| Displacement                  | 432 cm³                         | 333 cc                          | 350 cc                                                               | 327 cm³                                                       | 333 cc                                                       |
| Bore × Stroke                 | 65.0 × 65.1 mm                  | 61 × 57 mm                      | 59 × 64 mm                                                           | 60.4 × 57 mm                                                  | 61 × 57 mm                                                   |
| Max. prop shaft output        | 14.7 kW (20 ps)<br>@6000 r/min  | 20 HP/ 14.7 kW                  | 20 hp (14.7 kw)<br>@5500 rpm                                         | 14.7 kW (20 PS)/<br>5800 rpm                                  | 20 HP (14.7 kw)                                              |
| Full throttle operating range | 5000-6000 r/min                 | 5700-6200 rpm                   | 5000-6000 rpm                                                        | 5300-6300 rpm                                                 | 5400-6100 rpm                                                |
| Fuel induction system         | Electronic fuel injection       | Electronic Fuel Injection (EFI) | 1 carburetor                                                         | Battery-Less Multi-Point Sequential Electronic Fuel Injection | EFI                                                          |
| Ignition system               | TCI                             | CDI w/electronic spark advance  | PGM-IG                                                               | Digital CDI                                                   | —                                                            |
| Gear ratio                    | 2.08 (27/13)                    | 2.15:1                          | 2.08:1                                                               | 2.08:1                                                        | 2.15:1                                                       |
| Dry weight with prop.         | 56-66 kg                        | 45 kg                           | 47-50 kg                                                             | 44-49 kg                                                      | 43.0-53.5 kg                                                 |
| Engine transom height         | S: 424 mm<br>L: 551 mm          | 15"/381 mm<br>20"/508 mm        | S: 381 mm<br>L: 508 mm                                               | S: 381 mm<br>L: 508 mm                                        | S: 381 mm<br>L: 508 mm                                       |
| Alternator                    | 16 Amp with Rectifier regulator | 12 amp (145 watt)               | 12-Amp (151 watt) (Electric Start)<br>6-Amp (76 watt) (Manual Start) | Manual: 12V 6A<br>Electric: 12V 12A                           | Optional: 12V, 145W, 12A (Standard on Electric Start Models) |

| YAMAHA F25G                   |                                 | MERCURY 25 EFI                  | HONDA BF25                         | SUZUKI DF25A                                                  | TOHATSU MFS25D         |
|-------------------------------|---------------------------------|---------------------------------|------------------------------------|---------------------------------------------------------------|------------------------|
| Engine type                   | SOHC, In-line 2                 | SOHC, Inline 3                  | SOHC - 3 cylinders - 2 Valves/cyl. | OHC, 3 cylinders                                              | 3 cylinders            |
| Displacement                  | 432 cm³                         | 500 cc                          | 552 cc                             | 490 cm³                                                       | 500 cc                 |
| Bore × Stroke                 | 65.0 × 65.1 mm                  | —                               | 61 × 63 mm                         | 60.4 × 57.0 mm                                                | 61 × 57 mm             |
| Max. prop shaft output        | 18.4 kW (25 ps)<br>@6000 r/min  | 25 HP/ 18.6 kW                  | 25 hp (18.4 kw)<br>@5500 rpm       | 18.4 kW (25 PS)/<br>5500 rpm                                  | 25 HP (18.4 kw)        |
| Full throttle operating range | 5000-6000 r/min                 | 5400-5800 rpm                   | 5000-6000 rpm                      | 5000-6000 rpm                                                 | 5000-6000 rpm          |
| Fuel induction system         | Electronic fuel injection       | Electronic Fuel Injection (EFI) | 3 carburetors                      | Battery-Less Multi-Point Sequential Electronic Fuel Injection | EFI                    |
| Ignition system               | TCI                             | CDI w/electronic spark advance  | PGM-IG                             | Digital CDI                                                   | —                      |
| Gear ratio                    | 2.08 (27/13)                    | —                               | 2.08:1                             | 2.09:1                                                        | 2.17:1                 |
| Dry weight with prop.         | 56-70 kg                        | 60.1 kg                         | 70.5-72.5 kg                       | 62-65 kg                                                      | 58 kg                  |
| Engine transom height         | S: 424 mm<br>L: 551 mm          | 15"/381 mm<br>20"/508 mm        | S: 381 mm<br>L: 508 mm             | S: 381 mm<br>L: 508 mm                                        | S: 381 mm<br>L: 508 mm |
| Alternator                    | 16 Amp with Rectifier regulator | —                               | 10-Amp (126 watt)                  | 12V 14A                                                       | 12V, 210W, 17.5A       |

**Fuel Injection model**

| YAMAHA F30B                   |                                                            | MERCURY 30 EFI                  | HONDA BF30                         | SUZUKI DF30A                                                  | TOHATSU MFS30D         |
|-------------------------------|------------------------------------------------------------|---------------------------------|------------------------------------|---------------------------------------------------------------|------------------------|
| Engine type                   | SOHC, In-line 3                                            | SOHC, Inline 3                  | SOHC - 3 cylinders - 2 Valves/cyl. | OHC, 3 cylinders                                              | 3 cylinders            |
| Displacement                  | 747 cm³                                                    | 500 cc                          | 552 cc                             | 490 cm³                                                       | 500 cc                 |
| Bore × Stroke                 | 65.0 × 75.0 mm                                             | 61 × 60 mm                      | 61 × 63 mm                         | 60.4 × 57.0 mm                                                | 61 × 57 mm             |
| Max. prop shaft output        | 22.1 kW (30 ps) @5500 r/min                                | 30 HP/ 22.4 kW                  | 30 hp (22.1 kw) @6000 rpm          | 22.1 kW (30 PS)/ 5800 rpm                                     | 30 HP (22.1 kw)        |
| Full throttle operating range | 5000-6000 r/min                                            | 5800-6200 rpm                   | 5000-6000 rpm                      | 5300-6300 rpm                                                 | 5500-6500 rpm          |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) | 3 carburetors                      | Battery-Less Multi-Point Sequential Electronic Fuel Injection | EFI                    |
| Ignition system               | CDI                                                        | CDI w/electronic spark advance  | PGM-IG                             | Digital CDI                                                   | —                      |
| Gear ratio                    | 2.0 (26/13)                                                | 2.17:1                          | 2.08:1                             | 2.09:1                                                        | 2.17:1                 |
| Dry weight with prop.         | 94-106 kg                                                  | 65.7 kg                         | 70.5-72.5 kg                       | 62-63 kg                                                      | 58 kg                  |
| Engine transom height         | S: 414 mm<br>L: 536 mm<br>X: 650 mm                        | 15"/381 mm<br>20"/508 mm        | S: 381 mm<br>L: 508 mm             | S: 381 mm<br>L: 508 mm                                        | S: 381 mm<br>L: 508 mm |
| Alternator                    | 17 Amp with Rectifier regulator (battery charging: 13 Amp) | 15 amp (186 watt)               | 10-Amp (126 watt)                  | 12V 14A                                                       | 12V, 210W, 17.5A       |

| YAMAHA F40F                   |                                                            | MERCURY 40 EFI                  | HONDA BF40                                  | SUZUKI DF40A                                     | TOHATSU MFS40A         |
|-------------------------------|------------------------------------------------------------|---------------------------------|---------------------------------------------|--------------------------------------------------|------------------------|
| Engine type                   | SOHC, In-line 3                                            | SOHC, Inline 3                  | SOHC - 3 cylinders, 2 Valves/cyl.           | DOHC, 3 cylinders, 12-Valve                      | 3 cylinders            |
| Displacement                  | 747 cm³                                                    | 747 cc                          | 808 cc                                      | 941 cm³                                          | 866 cc                 |
| Bore × Stroke                 | 65.0 × 75.0 mm                                             | 65 × 75 mm                      | 70 × 70 mm                                  | 72.5 × 76 mm                                     | 70 × 75 mm             |
| Max. prop shaft output        | 29.4 kW (40 ps) @5500 r/min                                | 40 HP/ 30 kW                    | 40 hp (29.4 kw) @5500 rpm                   | 29.4 kW (40 PS)/ 5500 rpm                        | 40 HP (29.4 kw)        |
| Full throttle operating range | 5000-6000 r/min                                            | 5500-6000 rpm                   | 5000-6000 rpm                               | 5000-6000 rpm                                    | 5000-6000 rpm          |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) | Programmed Fuel Injection                   | Multi-Point Sequential Electronic Fuel Injection | EFI                    |
| Ignition system               | CDI                                                        | ECM 70                          | Micro-Computer Programmed                   | Fullytransistorized                              | Digital CD             |
| Gear ratio                    | 2.0 (26/13)                                                | 2.00:1                          | 2.08:1                                      | 2.27:1                                           | 2.08:1                 |
| Dry weight with prop.         | 94-106 kg                                                  | 93 kg                           | 97 kg                                       | 102-104 kg                                       | 95-102 kg              |
| Engine transom height         | S: 414 mm<br>L: 536 mm<br>X: 650 mm                        | 15"/381 mm<br>20"/508 mm        | L: 508 mm                                   | S: 381 mm<br>L: 508 mm                           | S: 381 mm<br>L: 508 mm |
| Alternator                    | 17 Amp with Rectifier regulator (battery charging: 13 Amp) | 18 amp (226 watt)               | 22-Amp (275 watt) (Battery charging 17-Amp) | 12V 19A                                          | 12V, 252W, 21A         |

**Fuel Injection model**

| <b>YAMAHA<br/>F40H</b>        |                                                           | <b>MERCURY<br/>40 CT/40<br/>SeaPro</b>                                               | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------|---------------------|----------------------|
| Engine type                   | SOHC, In-line 4                                           | SOHC, In-line 4                                                                      | —                  | —                   | —                    |
| Displacement                  | 996 cm <sup>3</sup>                                       | 995 cc                                                                               | —                  | —                   | —                    |
| Bore × Stroke                 | 65.0 × 75.0 mm                                            | 65 × 75 mm                                                                           | —                  | —                   | —                    |
| Max. prop shaft output        | 29.4 kW (40 ps) @5500 r/min                               | 40 HP/ 30 kW                                                                         | —                  | —                   | —                    |
| Full throttle operating range | 5000-6000 r/min                                           | 40 CT: 5500-6000 rpm<br>40 SeaPro: —                                                 | —                  | —                   | —                    |
| Fuel induction system         | Electronic Fuel Injection                                 | Electronic Fuel Injection (EFI)                                                      | —                  | —                   | —                    |
| Ignition system               | TCI                                                       | 40 CT: ECM 07 Digital Inductive<br>40 SeaPro: SmartCraft<br>ECM 07 Digital Inductive | —                  | —                   | —                    |
| Gear ratio                    | 1.85 (24/13)                                              | 2.33:1                                                                               | —                  | —                   | —                    |
| Dry weight with prop.         | 113 kg                                                    | 118 kg                                                                               | —                  | —                   | —                    |
| Engine transom height         | L: 527 mm                                                 | 40 CT: 20"/508 mm<br>40 SeaPro: 20"/508 mm<br>22.5"/572 mm<br>25"/635 mm             | —                  | —                   | —                    |
| Alternator                    | 16 Amp with Rectifier regulator (battery charging: 9 Amp) | 18 amp (226 watt)                                                                    | —                  | —                   | —                    |

| <b>YAMAHA<br/>F50H</b>        |                                                           | <b>MERCURY<br/>50 EFI</b>       | <b>HONDA<br/>BF50</b>                       | <b>SUZUKI<br/>DF50A</b>                          | <b>TOHATSU<br/>MFS50A</b> |
|-------------------------------|-----------------------------------------------------------|---------------------------------|---------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | SOHC, In-line 4                                           | SOHC, In-line 4                 | SOHC - 3 cylinders, 2 Valves/cyl.           | DOHC, 3 cylinders, 12-Valve                      | 3 cylinders               |
| Displacement                  | 996 cm <sup>3</sup>                                       | 995 cc                          | 808 cc                                      | 941 cm <sup>3</sup>                              | 866 cc                    |
| Bore × Stroke                 | 65.0 × 75.0 mm                                            | 65 × 75 mm                      | 70 × 70 mm                                  | 72.5 × 76 mm                                     | 70 × 75 mm                |
| Max. prop shaft output        | 36.8 kW (50 ps) @5500 r/min                               | 50 HP/ 37 kW                    | 50 hp (36.8 kw) @6000 rpm                   | 36.8 kW (50 PS)/ 5800 rpm                        | 50 HP (36.8 kw)           |
| Full throttle operating range | 5000-6000 r/min                                           | 5000-6000 rpm                   | 5500-6000 rpm                               | 5300-6300 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                 | Electronic Fuel Injection (EFI) | Programmed Fuel Injection                   | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                       | ECM 70                          | Micro-Computer Programmed                   | Fullytransistorized                              | Digital CD                |
| Gear ratio                    | 1.85 (24/13)                                              | 1.83:1                          | 2.08:1                                      | 2.27:1                                           | 2.08:1                    |
| Dry weight with prop.         | 107-117 kg                                                | 112 kg                          | 97-101 kg                                   | 102-104 kg                                       | 95-102 kg                 |
| Engine transom height         | L: 527 mm                                                 | 20"/508 mm                      | L: 508 mm<br>X: 635 mm                      | S: 381 mm<br>L: 508 mm                           | S: 381 mm<br>L: 508 mm    |
| Alternator                    | 16 Amp with Rectifier regulator (battery charging: 9 Amp) | 18 amp (226 watt)               | 22-Amp (275 watt) (Battery charging 17-Amp) | 12V 19A                                          | 12V, 252W, 21A            |

**Fuel Injection model**

| YAMAHA<br>FT50J               |                                                           | MERCURY<br>50 CT                | HONDA<br>— | SUZUKI<br>DF50AV                                 | TOHATSU<br>— |
|-------------------------------|-----------------------------------------------------------|---------------------------------|------------|--------------------------------------------------|--------------|
| Engine type                   | SOHC, In-line 4                                           | SOHC, Inline 4                  | —          | DOHC, 3 cylinders, 12-Valve                      | —            |
| Displacement                  | 996 cm <sup>3</sup>                                       | 995 cc                          | —          | 941 cm <sup>3</sup>                              | —            |
| Bore × Stroke                 | 65.0 × 75.0 mm                                            | 65 × 75 mm                      | —          | 72.5 × 76 mm                                     | —            |
| Max. prop shaft output        | 36.8 kW (50 ps) @5500 r/min                               | 50 HP/ 37 kW                    | —          | 36.8 kW (50 PS)/ 5800 rpm                        | —            |
| Full throttle operating range | 5000-6000 r/min                                           | 5500-6000 rpm                   | —          | 5300-6300 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                 | Electronic Fuel Injection (EFI) | —          | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                       | ECM 07 Digital Inductive        | —          | Fullytransistorized                              | —            |
| Gear ratio                    | 2.33 (28/12)                                              | 2.33:1                          | —          | 2.42:1                                           | —            |
| Dry weight with prop.         | 118 kg                                                    | 118 kg                          | —          | 115-118 kg                                       | —            |
| Engine transom height         | L: 530 mm                                                 | 20"/508 mm                      | —          | L: 508 mm X: 635 mm                              | —            |
| Alternator                    | 16 Amp with Rectifier regulator (battery charging: 9 Amp) | 18 amp (226 watt)               | —          | 12V 19A                                          | —            |

| YAMAHA<br>F60F                |                                                           | MERCURY<br>60 EFI               | HONDA<br>BF60                    | SUZUKI<br>DF60A                                  | TOHATSU<br>MFS60A |
|-------------------------------|-----------------------------------------------------------|---------------------------------|----------------------------------|--------------------------------------------------|-------------------|
| Engine type                   | SOHC, In-line 4                                           | SOHC, Inline 4                  | SOHC - 3 cylinders/ 12 Valves    | DOHC, 3 cylinders, 12-Valve                      | 3 cylinders       |
| Displacement                  | 996 cm <sup>3</sup>                                       | 995 cc                          | 998 cc                           | 941 cm <sup>3</sup>                              | 866 cc            |
| Bore × Stroke                 | 65.0 × 75.0 mm                                            | 65 × 75 mm                      | 73 × 79.5 mm                     | 72.5 × 76 mm                                     | 70 × 75 mm        |
| Max. prop shaft output        | 44.1 kW (60 ps) @5500 r/min                               | 60 HP/ 45 kW                    | 60 hp (44.1 kw) @5500 rpm        | 44.1 kW (60 PS)/ 5800 rpm                        | 60 hp (44.1 kw)   |
| Full throttle operating range | 5000-6000 r/min                                           | 5500-6000 rpm                   | 5000-6000 rpm                    | 5300-6300 rpm                                    | 5000-6000 rpm     |
| Fuel induction system         | Electronic fuel injection                                 | Electronic Fuel Injection (EFI) | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI               |
| Ignition system               | TCI                                                       | ECM 70                          | Micro-Computer Programmed        | Fullytransistorized                              | Digital CD        |
| Gear ratio                    | 1.85 (24/13)                                              | 1.83:1                          | 2.07:1                           | 2.27:1                                           | 2.08:1            |
| Dry weight with prop.         | 113-117 kg                                                | 112 kg                          | 108 kg                           | 102-107 kg                                       | 98.5 kg           |
| Engine transom height         | L: 527 mm                                                 | 20"/508 mm                      | L: 521 mm                        | S: 381 mm L: 508 mm X: 635 mm                    | L: 508 mm         |
| Alternator                    | 16 Amp with Rectifier regulator (battery charging: 9 Amp) | 18 amp (226 watt)               | 22-Amp (Battery charging 17-Amp) | 12V 19A                                          | 12V, 252W, 21A    |

**Fuel Injection model**

| YAMAHA<br>FT60G               |                                                           | MERCURY<br>60 CT/<br>60 SeaPro                        | HONDA<br>BFP60                   | SUZUKI<br>DF60AV                                 | TOHATSU<br>— |
|-------------------------------|-----------------------------------------------------------|-------------------------------------------------------|----------------------------------|--------------------------------------------------|--------------|
| Engine type                   | SOHC, In-line 4                                           | SOHC, In-line 4                                       | SOHC - 3 cylinders/ 12 Valves    | DOHC, 3 cylinders, 12-Valve                      | —            |
| Displacement                  | 996 cm³                                                   | 995 cc                                                | 998 cc                           | 941 cm³                                          | —            |
| Bore × Stroke                 | 65.0 × 75.0 mm                                            | 65 × 75 mm                                            | 73 × 79.5 mm                     | 72.5 × 76 mm                                     | —            |
| Max. prop shaft output        | 44.1 kW (60 ps) @5500 r/min                               | 60 HP/ 45 kW                                          | 60 hp (44.1 kw) @5500 rpm        | 44.1 kW (60 PS)/ 5800 rpm                        | —            |
| Full throttle operating range | 5000-6000 r/min                                           | 60 CT: 5500-6000rpm<br>60 SeaPro: 4500-5500rpm        | 5000-6000 rpm                    | 5300-6300 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                 | Electronic Fuel Injection (EFI)                       | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                       | SmartCraft ECM 07 Digital Inductive                   | Micro-Computer Programmed        | Fullytransistorized                              | —            |
| Gear ratio                    | 2.33 (28/12)                                              | 2.33:1                                                | 2.33:1                           | 2.42:1                                           | —            |
| Dry weight with prop.         | 116-129 kg                                                | 118 kg                                                | 116-123 kg                       | 115-118 kg                                       | —            |
| Engine transom height         | L: 530 mm<br>X: 644 mm                                    | 20"/508 mm<br>25"/635 mm<br>SeaPro only: 22.5"/572 mm | L: 531 mm<br>X: 658 mm           | L: 508 mm<br>X: 635 mm                           | —            |
| Alternator                    | 16 Amp with Rectifier regulator (battery charging: 9 Amp) | 18 amp (226 watt)                                     | 27-Amp (Battery charging 22-Amp) | 12V 19A                                          | —            |

| YAMAHA<br>F70A                |                                                           | MERCURY<br>— | HONDA<br>— | SUZUKI<br>DF70A                                  | TOHATSU<br>— |
|-------------------------------|-----------------------------------------------------------|--------------|------------|--------------------------------------------------|--------------|
| Engine type                   | 16-Valve SOHC, In-line 4                                  | —            | —          | DOHC, 4 cylinders, 16-Valve                      | —            |
| Displacement                  | 996 cm³                                                   | —            | —          | 1502 cm³                                         | —            |
| Bore × Stroke                 | 65.0 × 75.0 mm                                            | —            | —          | 75 × 85 mm                                       | —            |
| Max. prop shaft output        | 51.5 kW (70 ps) @5800 r/min                               | —            | —          | 51.5 kW (70 PS)/ 5500 rpm                        | —            |
| Full throttle operating range | 5300-6300 r/min                                           | —            | —          | 5000-6000 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                 | —            | —          | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                       | —            | —          | Fullytransistorized                              | —            |
| Gear ratio                    | 2.33 (28/12)                                              | —            | —          | 2.59:1                                           | —            |
| Dry weight with prop.         | 119-123 kg                                                | —            | —          | 156-160 kg                                       | —            |
| Engine transom height         | L: 534 mm<br>X: 648 mm                                    | —            | —          | L: 508 mm<br>X: 635 mm                           | —            |
| Alternator                    | 15 Amp with Rectifier regulator (battery charging: 9 Amp) | —            | —          | 12V 27A                                          | —            |

**Fuel Injection model**

| YAMAHA<br>F75D                |                                                            | MERCURY<br>75                                         | HONDA<br>BF75                               | SUZUKI<br>— | TOHATSU<br>MFS75A         |
|-------------------------------|------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------|-------------|---------------------------|
| Engine type                   | 16-Valve, SOHC, In-line 4                                  | 8-valve single overhead cam (SOHC) In-line 4          | SOHC -4 cylinders/ 16 Valves                | —           | 4 cylinders               |
| Displacement                  | 1832 cm <sup>3</sup>                                       | 2.1 L                                                 | 1496 cc                                     | —           | 1995 cc                   |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | 90 × 81 mm                                            | 73 × 89.4 mm                                | —           | 84 × 90 mm                |
| Max. prop shaft output        | 55.2 kW (75 ps) @5500 r/min                                | 75 HP/ 56 kW                                          | 75 hp (55.2 kw) @5500 rpm                   | —           | 75 hp (55.2 kw)           |
| Full throttle operating range | 5000-6000 r/min                                            | 4500-5500 rpm                                         | 5000-6000 rpm                               | —           | 5150-5850 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)                       | Programmed Fuel Injection                   | —           | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive                   | Micro-Computer Programmed                   | —           | Micro-Computer Programmed |
| Gear ratio                    | 2.15 (28/13)                                               | 2.07:1                                                | 2.33:1                                      | —           | 2.08:1                    |
| Dry weight with prop.         | 162 kg                                                     | 163 kg                                                | 163 kg                                      | —           | 178-182.5 kg              |
| Engine transom height         | L: 516 mm                                                  | 20"/508 mm                                            | L: 508 mm                                   | —           | L: 508 mm<br>UL: 635 mm   |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 21 Amp) | 35 amp / 441 watt with water-cooled voltage regulator | 44-Amp (554 watt) (Battery charging 35-Amp) | —           | 12V, 492W, 41A            |

| YAMAHA<br>F80D                |                                                            | MERCURY<br>— | HONDA<br>BF80                   | SUZUKI<br>DF80A                                  | TOHATSU<br>BFT80AK1       |
|-------------------------------|------------------------------------------------------------|--------------|---------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-Valve, SOHC, In-line 4                                  | —            | SOHC -4 cylinders/ 16 Valves    | DOHC, 4 cylinders, 16-Valve                      | 4 cylinders SOHC          |
| Displacement                  | 1832 cm³                                                   | —            | 1496 cm³                        | 1502 cm³                                         | 1496 cc                   |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | —            | 73 × 89.4 mm                    | 75 × 85 mm                                       | 73 × 89 mm                |
| Max. prop shaft output        | 58.8 kW (80 ps) @5500 r/min                                | —            | 80 hp (58.8 kw) @5500 rpm       | 58.8 kW (80 PS)/ 5800 rpm                        | 80 hp (58.8 kw)           |
| Full throttle operating range | 5000-6000 r/min                                            | —            | 5000-6000 rpm                   | 5300-6300 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | —            | Programmed Fuel Injection       | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | —            | Transistorised battery ignition | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 2.15 (28/13)                                               | —            | 2.33:1                          | 2.59:1                                           | 2.33:1 (12:28)            |
| Dry weight with prop.         | 162-166 kg                                                 | —            | 165 kg                          | 156-160 kg                                       | 165-178 kg                |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | —            | L: 537 mm<br>X: 664 mm          | L: 508 mm<br>X: 635 mm                           | L: 537 mm<br>X: 664 mm    |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 21 Amp) | —            | 44-Amp                          | 12V 27A                                          | 12V, 420W, 35A            |

**Fuel Injection model**

|                               | <b>YAMAHA<br/>F90C</b>                                     | <b>MERCURY<br/>90/90 CT/<br/>90 SeaPro</b>            | <b>HONDA<br/>BF90</b>            | <b>SUZUKI<br/>DF90A</b>                          | <b>TOHATSU<br/>MFS90A</b> |
|-------------------------------|------------------------------------------------------------|-------------------------------------------------------|----------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-Valve, SOHC, In-line 4                                  | 8-valve single overhead cam (SOHC) Inline 4           | SOHC -4 cylinders/ 16 Valves     | DOHC, 4 cylinders, 16-Valve                      | 4 cylinders               |
| Displacement                  | 1832 cm <sup>3</sup>                                       | 2.1 L                                                 | 1496 cc                          | 1502 cm <sup>3</sup>                             | 1995 cc                   |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | 90 × 81 mm                                            | 73 × 89.4 mm                     | 75 × 85 mm                                       | 84 × 90 mm                |
| Max. prop shaft output        | 66.2 kW (90 ps) @5500 r/min                                | 90 HP/67 kW                                           | 90 hp (66.2 kw) @5800 rpm        | 66.2 kW (90 PS)/ 5800 rpm                        | 90 hp (66.2 kw)           |
| Full throttle operating range | 5000-6000 r/min                                            | 90/90 CT: 5000-6000 rpm<br>90 SeaPro: 5000-5500 rpm   | 5300-6300 rpm                    | 5300-6300 rpm                                    | 5150-5850 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)                       | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive                   | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 2.15 (28/13)                                               | 90: 2.07:1<br>90 CT/90SeaPro: 2.38:1                  | 2.33:1                           | 2.59:1                                           | 2.08:1                    |
| Dry weight with prop.         | 162-166 kg                                                 | 90: 163 kg<br>90 CT/90SeaPro: 165 kg                  | 163-166 kg                       | 156-160 kg                                       | 178 kg                    |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                              | L: 508 mm<br>X: 635 mm           | L: 508 mm<br>X: 635 mm                           | L: 508 mm                 |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 21 Amp) | 35 amp / 441 watt with water-cooled voltage regulator | 44-Amp (Battery charging 35-Amp) | 12V 27A                                          | 12V, 492W, 41A            |

|                               | <b>YAMAHA<br/>F100F</b>                                    | <b>MERCURY<br/>100 CT</b>                             | <b>HONDA<br/>BF100</b>           | <b>SUZUKI<br/>DF100B</b>                         | <b>TOHATSU<br/>MFS100AK1</b> |
|-------------------------------|------------------------------------------------------------|-------------------------------------------------------|----------------------------------|--------------------------------------------------|------------------------------|
| Engine type                   | 16-Valve, SOHC, In-line 4                                  | 8-valve single overhead cam (SOHC) Inline 4           | SOHC -4 cylinders/ 16 Valves     | DOHC, 4 cylinders, 16-Valve                      | 4 cylinders                  |
| Displacement                  | 1832 cm <sup>3</sup>                                       | 2.1 L                                                 | 1496 cc                          | 1502 cm <sup>3</sup>                             | 1995 cc                      |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | 90 × 81 mm                                            | 73 × 89.4 mm                     | 75 × 85 mm                                       | 84 × 90 mm                   |
| Max. prop shaft output        | 73.6 kW (100 ps) @5500 r/min                               | 100 HP/ 73.6 kW                                       | 100 hp (73.6 kw) @5900 rpm       | 73.6 kW (100 PS)/ 6000 rpm                       | 100 hp (73.6 kw)             |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-6000 rpm                                         | 5500-6300 rpm                    | 5700-6300 rpm                                    | 5000-6000 rpm                |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)                       | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                          |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive                   | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed    |
| Gear ratio                    | 2.15 (28/13)                                               | 2.38:1                                                | 2.33:1                           | 2.59:1                                           | 2.08:1                       |
| Dry weight with prop.         | 162-166 kg                                                 | 165 kg                                                | 163-166 kg                       | 155-159 kg                                       | 178-182.5 kg                 |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                              | L: 508 mm<br>X: 635 mm           | L: 508 mm<br>X: 635 mm                           | L: 517 mm<br>X: 644 mm       |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 21 Amp) | 35 amp / 441 watt with water-cooled voltage regulator | 44-Amp (Battery charging 35 Amp) | 12V 27A                                          | 12V, 492W, 41A               |

**Fuel Injection model**

| YAMAHA<br>F115B/FL115B        |                                                            | MERCURY<br>115                                        | HONDA<br>BF115                          | SUZUKI<br>DF115A                                 | TOHATSU<br>MFS115A        |
|-------------------------------|------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-Valve, DOHC, Direct action, In-line 4                   | 8-valve single overhead cam (SOHC) Inline 4           | DOHC - 4 cylinders/ 16 Valve            | DOHC, 4 cylinders, 16-Valve                      | 4 cylinders               |
| Displacement                  | 1832 cm <sup>3</sup>                                       | 2.1 L                                                 | 2354 cc                                 | 2044 cm <sup>3</sup>                             | 1995 cc                   |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | 90 × 81 mm                                            | 87 × 99 mm                              | 86 × 88 mm                                       | 84 × 90 mm                |
| Max. prop shaft output        | 84.6 kW (115 ps) @5800 r/min                               | 115 HP/ 86 kW                                         | 115 hp (84.6 kw) @5250 rpm              | 84.6 kW (115 PS)/ 5500 rpm                       | 115 hp (84.6 kw)          |
| Full throttle operating range | 5300-6300 r/min                                            | 5000-6000 rpm                                         | 4500-6000 rpm                           | 5000-6000 rpm                                    | 5150-5850 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)                       | Programmed Fuel Injection               | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive                   | Micro-Computer Programmed               | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 2.15 (28/13)                                               | 2.07:1                                                | 2.14:1                                  | 2.59:1                                           | 2.08:1                    |
| Dry weight with prop.         | 175-185 kg                                                 | 163 kg                                                | 218-224 kg                              | 182-187 kg                                       | 178-182.5 kg              |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                              | L: 508 mm<br>X: 635 mm                  | L: 508 mm<br>X: 635 mm                           | L: 508 mm<br>X: 635 mm    |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 27 Amp) | 35 amp / 441 watt with water-cooled voltage regulator | 55 Amps Total (Battery charging 40-Amp) | 12V 40A                                          | 12V, 492W, 41A            |

| YAMAHA<br>F130A               |                                                            | MERCURY<br>— | HONDA<br>BF135                                                 | SUZUKI<br>DF140A                                 | TOHATSU<br>— |
|-------------------------------|------------------------------------------------------------|--------------|----------------------------------------------------------------|--------------------------------------------------|--------------|
| Engine type                   | 16-Valve, DOHC, Direct action, In-line 4                   | —            | DOHC - 4 cylinders/ 16 Valve                                   | DOHC, 4 cylinders, 16-Valve                      | —            |
| Displacement                  | 1832 cm <sup>3</sup>                                       | —            | 2354 cc                                                        | 2044 cm <sup>3</sup>                             | —            |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | —            | 87 × 99 mm                                                     | 86 × 88 mm                                       | —            |
| Max. prop shaft output        | 95.6 kW (130 ps) @5800 r/min                               | —            | 135 hp (99.3 kw) @5500 rpm                                     | 103 kW (140 PS)/ 5900 rpm                        | —            |
| Full throttle operating range | 5300-6300 r/min                                            | —            | 5000-6000 rpm                                                  | 5600-6200 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                  | —            | Programmed Fuel Injection                                      | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                        | —            | Micro-Computer Programmed                                      | Fullytransistorized                              | —            |
| Gear ratio                    | 2.15 (28/13)                                               | —            | 2.14:1                                                         | 2.59:1                                           | —            |
| Dry weight with prop.         | 176-180 kg                                                 | —            | 217-220 kg                                                     | 179-184 kg                                       | —            |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | —            | L: 508 mm<br>X: 635 mm                                         | L: 508 mm<br>X: 635 mm                           | —            |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 27 Amp) | —            | 51 Amp (Battery charging 30 Amp (1000 RPM), 40 Amp (2000+RPM)) | 12V 40A                                          | —            |

**Fuel Injection model**

| YAMAHA<br>F150D/FL150D        |                                                            | MERCURY<br>150                               | HONDA<br>BF150                   | SUZUKI<br>DF150AP                                | TOHATSU<br>BFT150D           |
|-------------------------------|------------------------------------------------------------|----------------------------------------------|----------------------------------|--------------------------------------------------|------------------------------|
| Engine type                   | 16-Valve, DOHC, Direct action, In-line 4                   | 8-valve single overhead cam (SOHC) In-line 4 | DOHC - 4 cylinders/ 16 Valve     | DOHC, 4 cylinders, 16-Valve                      | DOHC - 4 cylinders/ 16 Valve |
| Displacement                  | 2670 cm <sup>3</sup>                                       | 3.0 L                                        | 2354 cc                          | 2867 cm <sup>3</sup>                             | 2354 cc                      |
| Bore × Stroke                 | 94.0 × 96.2 mm                                             | 102 × 92 mm                                  | 87 × 99 mm                       | 97 × 97 mm                                       | 87 × 99 mm                   |
| Max. prop shaft output        | 110.3 kW (150 ps) @5500 r/min                              | 150 HP/ 110 kW                               | 150 hp (110.3 kw) @5500 rpm      | 110.0 kW (150 PS)/ 5500 rpm                      | 150 hp (119.9 kw)            |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-5800 rpm                                | 5000-6000 rpm                    | 5000-6000 rpm                                    | 5000-6000 rpm                |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)              | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                          |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive          | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed    |
| Gear ratio                    | 2.0 (28/14)                                                | 1.92:1                                       | 2.14:1                           | 2.50:1                                           | 2.14:1                       |
| Dry weight with prop.         | 222-227 kg                                                 | 206 kg                                       | 218-224 kg                       | 236-241 kg                                       | 221 kg                       |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                     | L: 508 mm<br>X: 635 mm           | L: 508 mm<br>X: 635 mm                           | L: 508 mm<br>X: 635 mm       |
| Alternator                    | 36 Amp with Rectifier regulator (battery charging: 21 Amp) | 60 amp / 756 watt (Belt-Driven)              | 55 Amp (Battery charging 40 Amp) | 12V 44A                                          | 12V, 660W, 55A               |

| YAMAHA<br>F150L/FL150L        |                               | MERCURY<br>150                               | HONDA<br>BF150                   | SUZUKI<br>DF150AP                                | TOHATSU<br>BFT150D           |
|-------------------------------|-------------------------------|----------------------------------------------|----------------------------------|--------------------------------------------------|------------------------------|
| Engine type                   | 16-valve, DOHC, In-line 4     | 8-valve single overhead cam (SOHC) In-line 4 | DOHC - 4 cylinders/ 16 Valve     | DOHC, 4 cylinders, 16-Valve                      | DOHC - 4 cylinders/ 16 Valve |
| Displacement                  | 2670 cm <sup>3</sup>          | 3.0 L                                        | 2354 cc                          | 2867 cm <sup>3</sup>                             | 2354 cc                      |
| Bore × Stroke                 | 94.0 × 96.2 mm                | 102 × 92 mm                                  | 87 × 99 mm                       | 97 × 97 mm                                       | 87 × 99 mm                   |
| Max. prop shaft output        | 110.3 kW (150 ps) @5500 r/min | 150 HP/ 110 kW                               | 150 hp (110.3 kw) @5500 rpm      | 110.0 kW (150 PS)/ 5500 rpm                      | 150 hp (119.9 kw)            |
| Full throttle operating range | 5000-6000 r/min               | 5000-5800 rpm                                | 5000-6000 rpm                    | 5000-6000 rpm                                    | 5000-6000 rpm                |
| Fuel induction system         | Electronic fuel injection     | Electronic Fuel Injection (EFI)              | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                          |
| Ignition system               | TCI                           | SmartCraft ECM 70 Digital Inductive          | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed    |
| Gear ratio                    | 2.0 (28/14)                   | 1.92:1                                       | 2.14:1                           | 2.50:1                                           | 2.14:1                       |
| Dry weight with prop.         | 237-243 kg                    | 206 kg                                       | 218-224 kg                       | 236-241 kg                                       | 221 kg                       |
| Engine transom height         | L: 516 mm<br>X: 642 mm        | 20"/508 mm<br>25"/635 mm                     | L: 508 mm<br>X: 635 mm           | L: 502 mm<br>X: 629 mm                           | L: 508 mm<br>X: 635 mm       |
| Alternator                    | 35 A (Charging capacity: 21A) | 60 amp / 756 watt (Belt-Driven)              | 55 Amp (Battery charging 40 Amp) | 12V 44A                                          | 12V, 660W, 55A               |

**Fuel Injection model**

| YAMAHA<br>F175A               |                                                            | MERCURY<br>175                                                                       | HONDA<br>BF175                   | SUZUKI<br>DF175A                                 | TOHATSU<br>— |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|--------------|
| Engine type                   | 16-Valve, DOHC, Direct action, In-line 4                   | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve            | DOHC, 4 cylinders, 16-Valve                      | —            |
| Displacement                  | 2785 cm³                                                   | 3.4 L                                                                                | 3583 cc                          | 2867 cm³                                         | —            |
| Bore × Stroke                 | 96.0 × 96.2 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                       | 97 × 97 mm                                       | —            |
| Max. prop shaft output        | 128.7 kW (175 ps) @5500 r/min                              | 175 HP/ 130 kW                                                                       | 175 hp (128.7 kw) @5500 rpm      | 129.0 kW (175 PS)/ 5800 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-5800 rpm                                                                        | 5000-6000 rpm                    | 5500-6100 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed        | Fullytransistorized                              | —            |
| Gear ratio                    | 1.86 (26/14)                                               | 1.85:1                                                                               | 1.87:1                           | 2.50:1                                           | —            |
| Dry weight with prop.         | 224-225 kg                                                 | 216 kg                                                                               | 285 kg                           | 235-240 kg                                       | —            |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                                                             | X: 635 mm                        | L: 508 mm<br>X: 635 mm                           | —            |
| Alternator                    | 50 Amp with Rectifier regulator (battery charging: 42 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (Battery charging 60-Amp) | 12V 44A                                          | —            |

| YAMAHA<br>F175G               |                               | MERCURY<br>175                                                                       | HONDA<br>BF175                   | SUZUKI<br>DF175A                                 | TOHATSU<br>— |
|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|--------------|
| Engine type                   | 16-valve, DOHC, In-line 4     | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve            | DOHC, 4 cylinders, 16-Valve                      | —            |
| Displacement                  | 2785 cm³                      | 3.4 L                                                                                | 3583 cc                          | 2867 cm³                                         | —            |
| Bore × Stroke                 | 96.0 × 96.2 mm                | 92 × 86 mm                                                                           | 89 × 96 mm                       | 97 × 97 mm                                       | —            |
| Max. prop shaft output        | 128.7 kW (175 ps) @5500 r/min | 175 HP/ 130 kW                                                                       | 175 hp (128.7 kw) @5500 rpm      | 129.0 kW (175 PS)/ 5800 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min               | 5000-5800 rpm                                                                        | 5000-6000 rpm                    | 5500-6100 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection     | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                           | SmartCraft ECM 112 Digital Inductive                                                 | Micro-Computer Programmed        | Fullytransistorized                              | —            |
| Gear ratio                    | 1.86 (26/14)                  | 1.85:1                                                                               | 1.87:1                           | 2.50:1                                           | —            |
| Dry weight with prop.         | 239-240 kg                    | 216 kg                                                                               | 285 kg                           | 235-240 kg                                       | —            |
| Engine transom height         | L: 516 mm<br>X: 642 mm        | 20"/508 mm<br>25"/635 mm                                                             | X: 635 mm                        | L: 502 mm<br>X: 629 mm                           | —            |
| Alternator                    | 50 A (Charging capacity: 42A) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (Battery charging 60-Amp) | 12V 44A                                          | —            |

**Fuel Injection model**

| YAMAHA<br>F200F/FL200F        |                                                            | MERCURY<br>200                                                                       | HONDA<br>BF200                                            | SUZUKI<br>DF200A                                 | TOHATSU<br>BFT200D        |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-Valve, DOHC with VCT, Direct action, In-line 4          | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, 4 cylinders 16-Valve                       | SOHC -60° V6 24 Valve     |
| Displacement                  | 2785 cm³                                                   | 3.4 L                                                                                | 3583 cc                                                   | 2867 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 96.0 × 96.2 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 97 × 97 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min                              | 200 HP/ 149 kW                                                                       | 200 hp (147.1 kw) @5500 rpm                               | 147 kW (200 PS)/ 5800 rpm                        | 200 hp (147.1 kw)         |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-5800 rpm                                                                        | 5000-6000 rpm                                             | 5500-6100 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 1.86 (26/14)                                               | 1.85:1                                                                               | 2.00:1                                                    | 2.50:1                                           | 2.0:1                     |
| Dry weight with prop.         | 226-227 kg                                                 | 216 kg                                                                               | 276-282 kg                                                | 235-240 kg                                       | 279-284 kg                |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                                                             | L: 508 mm<br>X: 635 mm                                    | L: 508 mm<br>X: 635 mm                           | L: 508 mm<br>X: 635 mm    |
| Alternator                    | 50 Amp with Rectifier regulator (battery charging: 42 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 44A                                          | 12V, 1080W, 90A           |

| YAMAHA<br>F200Q/FL200Q        |                               | MERCURY<br>200                                                                       | HONDA<br>BF200                                            | SUZUKI<br>DF200A                                 | TOHATSU<br>BFT200D        |
|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-valve, DOHC, In-line 4     | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, 4 cylinders 16-Valve                       | SOHC -60° V6 24 Valve     |
| Displacement                  | 2785 cm³                      | 3.4 L                                                                                | 3583 cc                                                   | 2867 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 96.0 × 96.2 mm                | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 97 × 97 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min | 200 HP/ 149 kW                                                                       | 200 hp (147.1 kw) @5500 rpm                               | 147 kW (200 PS)/ 5800 rpm                        | 200 hp (147.1 kw)         |
| Full throttle operating range | 5000-6000 r/min               | 5000-5800 rpm                                                                        | 5000-6000 rpm                                             | 5500-6100 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection     | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                           | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 1.86 (26/14)                  | 1.85:1                                                                               | 2.00:1                                                    | 2.50:1                                           | 2.0:1                     |
| Dry weight with prop.         | 240-241 kg                    | 216 kg                                                                               | 276-282 kg                                                | 235-240 kg                                       | 279-284 kg                |
| Engine transom height         | L: 516 mm<br>X: 642 mm        | 20"/508 mm<br>25"/635 mm                                                             | L: 508 mm<br>X: 635 mm                                    | L: 502 mm<br>X: 629 mm                           | L: 508 mm<br>X: 635 mm    |
| Alternator                    | 50 A (Charging capacity: 42A) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 44A                                          | 12V, 1080W, 90A           |

**Fuel Injection model**

| YAMAHA<br>F200C/FL200C        |                                                            | MERCURY<br>200                                                                       | HONDA<br>BF200                                            | SUZUKI<br>DF200                                  | TOHATSU<br>BFT200D        |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve     |
| Displacement                  | 3352 cm³                                                   | 3.4 L                                                                                | 3583 cc                                                   | 3614 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 94.0 × 80.5 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 95 × 85 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min                              | 200 HP/ 149 kW                                                                       | 200 hp (147.1 kw) @5500 rpm                               | 147.0 kW (200 PS)/ 5500 rpm                      | 200 hp (147.1 kw)         |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-5800 rpm                                                                        | 5000-6000 rpm                                             | 5000-6000 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 2.0 (26/13)                                                | 1.85:1                                                                               | 2.00:1                                                    | 2.29:1                                           | 2.0:1                     |
| Dry weight with prop.         | 283 kg                                                     | 216 kg                                                                               | 276-282 kg                                                | 264-284 kg                                       | 279-284 kg                |
| Engine transom height         | X: 643 mm                                                  | 20"/508 mm 25"/635 mm                                                                | L: 508 mm X: 635 mm                                       | L: 508 mm X: 635 mm XX: 762 mm                   | L: 508 mm X: 635 mm       |
| Alternator                    | 44 Amp with Rectifier regulator (battery charging: 27 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A           |

| YAMAHA<br>F225B/FL225B        |                                                            | MERCURY<br>225                                                                       | HONDA<br>BF225                                            | SUZUKI<br>DF225                                  | TOHATSU<br>BFT225D        |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve     |
| Displacement                  | 3352 cm³                                                   | 3.4 L                                                                                | 3583 cc                                                   | 3614 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 94.0 × 80.5 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 95 × 85 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 165.5 kW (225 ps) @5500 r/min                              | 225 HP/ 168 kW                                                                       | 225 hp (165.5 kw) @5500 rpm                               | 165.0 kW (225 PS)/ 5500 rpm                      | 225 hp (165.5 kw)         |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | 5000-6000 rpm                                             | 5000-6000 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 2.0 (26/13)                                                | 1.85:1                                                                               | 2.00:1                                                    | 2.29:1                                           | 2.0:1                     |
| Dry weight with prop.         | 283-289 kg                                                 | 216 kg                                                                               | 276-286 kg                                                | 264-284 kg                                       | 281-286 kg                |
| Engine transom height         | X: 643 mm U: 770 mm                                        | 20"/508 mm 25"/635 mm 30"/762 mm                                                     | L: 508 mm X: 635 mm XX: 762 mm                            | L: 508 mm X: 635 mm XX: 762 mm                   | L: 508 mm X: 635 mm       |
| Alternator                    | 44 Amp with Rectifier regulator (battery charging: 27 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A           |

**Fuel Injection model**

| YAMAHA<br>F225H/FL225H        |                                                            | MERCURY<br>225                                                                       | HONDA<br>BF225                                            | SUZUKI<br>DF225                                  | TOHATSU<br>BFT225D        |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve     |
| Displacement                  | 4169 cm³                                                   | 3.4 L                                                                                | 3583 cc                                                   | 3614 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 95 × 85 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 165.5 kW (225 ps) @5500 r/min                              | 225 HP/ 168 kW                                                                       | 225 hp (165.5 kw) @5500 rpm                               | 165.0 kW (225 PS)/ 5500 rpm                      | 225 hp (165.5 kw)         |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | 5000-6000 rpm                                             | 5000-6000 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 1.75 (21/12)                                               | 1.85:1                                                                               | 2.00:1                                                    | 2.29:1                                           | 2.0:1                     |
| Dry weight with prop.         | 257 kg                                                     | 216 kg                                                                               | 276-286 kg                                                | 264-284 kg                                       | 281-286 kg                |
| Engine transom height         | X: 643 mm                                                  | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | L: 508 mm<br>X: 635 mm<br>XX: 762 mm             | L: 508 mm<br>X: 635 mm    |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 85-amp (1071 Watt) with Idle Chargee                                                 | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A           |

| YAMAHA<br>F250L/FL250L        |                                                            | MERCURY<br>250                                                                       | HONDA<br>BF250                                            | SUZUKI<br>DF250                                  | TOHATSU<br>BFT250D                   |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve                |
| Displacement                  | 4169 cm³                                                   | 4.6 L                                                                                | 3583 cc                                                   | 3614 cm³                                         | 3583 cc                              |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 95 × 85 mm                                       | 89 × 96 mm                           |
| Max. prop shaft output        | 183.8 kW (250 ps) @5500 r/min                              | 250 HP/ 186 kW                                                                       | 250 hp (183.9 kw) @5800 rpm                               | 184.0 kW (250 PS)/ 5800 rpm                      | 250 hp (186.4 kw)                    |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | 5300-6300 rpm                                             | 5500-6100 rpm                                    | 5300-6300 rpm                        |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                                  |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.75:1                                                                               | 2.00:1                                                    | 2.29:1                                           | 2.0:1                                |
| Dry weight with prop.         | 257 kg                                                     | 239 kg                                                                               | 276-286 kg                                                | 264-284 kg                                       | 284-291 kg                           |
| Engine transom height         | X: 643 mm                                                  | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | L: 508 mm<br>X: 635 mm<br>XX: 762 mm             | L: 508 mm<br>X: 636 mm<br>XX: 762 mm |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 85-amp (1071 Watt) with Idle Chargee                                                 | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A                      |

**Fuel Injection model**

| YAMAHA<br>F300C/FL300C        |                                                            | MERCURY<br>300                                                                       | HONDA<br>— | SUZUKI<br>DF300AP                                | TOHATSU<br>— |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|--------------------------------------------------|--------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | —          | DOHC, V6 (55-degree), 24-Valve                   | —            |
| Displacement                  | 4169 cm <sup>3</sup>                                       | 4.6 L                                                                                | —          | 4028 cm <sup>3</sup>                             | —            |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | —          | 98 × 89 mm                                       | —            |
| Max. prop shaft output        | 220.6 kW (300 ps) @5500 r/min                              | 300 HP/ 224 kW                                                                       | —          | 220.7 kW (300 PS)/ 6000 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | —          | 5700-6300 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —          | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | —          | Fullytransistorized                              | —            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.75:1                                                                               | —          | 2.08:1                                           | —            |
| Dry weight with prop.         | 257 kg                                                     | 239 kg                                                                               | —          | 290-299 kg                                       | —            |
| Engine transom height         | X: 643 mm                                                  | 20"/508 mm 25"/635 mm                                                                | —          | X: 635 mm XX: 762 mm                             | —            |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 85-amp (1071 Watt) with Idle Chargee                                                 | —          | 12V 54A                                          | —            |

**DEC (Digital Electronic Control) model**

| YAMAHA<br>F150G/FL150G        |                                                            | MERCURY<br>150                              | HONDA<br>BF150                   | SUZUKI<br>DF150AP                                | TOHATSU<br>BFT150D           |
|-------------------------------|------------------------------------------------------------|---------------------------------------------|----------------------------------|--------------------------------------------------|------------------------------|
| Engine type                   | 16-Valve, DOHC, Direct action, In-line 4                   | 8-valve single overhead cam (SOHC) Inline 4 | DOHC - 4 cylinders/ 16 Valve     | DOHC, 4 cylinders, 16-Valve                      | DOHC - 4 cylinders/ 16 Valve |
| Displacement                  | 2785 cm <sup>3</sup>                                       | 3.0 L                                       | 2354 cc                          | 2867 cm <sup>3</sup>                             | 2354 cc                      |
| Bore × Stroke                 | 96.0 × 96.2 mm                                             | 102 × 92 mm                                 | 87 × 99 mm                       | 97 × 97 mm                                       | 87 × 99 mm                   |
| Max. prop shaft output        | 110.3 kW (150 ps) @5500 r/min                              | 150 HP/ 110 kW                              | 150 hp (110.3 kw) @5500 rpm      | 110.0 kW (150 PS)/ 5500 rpm                      | 150 hp (119.9 kw)            |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-5800 rpm                               | 5000-6000 rpm                    | 5000-6000 rpm                                    | 5000-6000 rpm                |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)             | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                          |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive         | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed    |
| Gear ratio                    | 2.0 (28/14)                                                | 1.92:1                                      | 2.14:1                           | 2.50:1                                           | 2.14:1                       |
| Dry weight with prop.         | 226-227 kg                                                 | 206 kg                                      | 218-224 kg                       | 236-241 kg                                       | 221 kg                       |
| Engine transom height         | L: 516 mm X: 643 mm                                        | 20"/508 mm 25"/635 mm                       | L: 508 mm X: 635 mm              | L: 502 mm X: 629 mm                              | L: 508 mm X: 635 mm          |
| Alternator                    | 50 Amp with Rectifier regulator (battery charging: 42 Amp) | 60 amp / 756 watt (Belt-Driven)             | 55 Amp (Battery charging 40 Amp) | 12V 44A                                          | 12V, 660W, 55A               |

**DEC (Digital Electronic Control) model**

| <b>YAMAHA<br/>F150J/FL150J</b> |                               | <b>MERCURY<br/>150</b>                       | <b>HONDA<br/>BF150</b>           | <b>SUZUKI<br/>DF150AP</b>                        | <b>TOHATSU<br/>BFT150D</b>   |
|--------------------------------|-------------------------------|----------------------------------------------|----------------------------------|--------------------------------------------------|------------------------------|
| Engine type                    | 16-valve, DOHC, In-line 4     | 8-valve single overhead cam (SOHC) In-line 4 | DOHC - 4 cylinders/ 16 Valve     | DOHC, 4 cylinders, 16-Valve                      | DOHC - 4 cylinders/ 16 Valve |
| Displacement                   | 2785 cm <sup>3</sup>          | 3.0 L                                        | 2354 cc                          | 2867 cm <sup>3</sup>                             | 2354 cc                      |
| Bore × Stroke                  | 96.0 × 96.2 mm                | 102 × 92 mm                                  | 87 × 99 mm                       | 97 × 97 mm                                       | 87 × 99 mm                   |
| Max. prop shaft output         | 110.3 kW (150 ps) @5500 r/min | 150 HP/ 110 kW                               | 150 hp (110.3 kw) @5500 rpm      | 110.0 kW (150 PS)/ 5500 rpm                      | 150 hp (119.9 kw)            |
| Full throttle operating range  | 5000-6000 r/min               | 5000-5800 rpm                                | 5000-6000 rpm                    | 5000-6000 rpm                                    | 5000-6000 rpm                |
| Fuel induction system          | Electronic fuel injection     | Electronic Fuel Injection (EFI)              | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                          |
| Ignition system                | TCI                           | SmartCraft ECM 70 Digital Inductive          | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed    |
| Gear ratio                     | 2.0 (28/14)                   | 1.92:1                                       | 2.14:1                           | 2.50:1                                           | 2.14:1                       |
| Dry weight with prop.          | 240-241 kg                    | 206 kg                                       | 218-224 kg                       | 236-241 kg                                       | 221 kg                       |
| Engine transom height          | L: 516 mm<br>X: 642 mm        | 20"/508 mm<br>25"/635 mm                     | L: 508 mm<br>X: 635 mm           | L: 502 mm<br>X: 629 mm                           | L: 508 mm<br>X: 635 mm       |
| Alternator                     | 50 A (Charging capacity: 38A) | 60 amp / 756 watt (Belt-Driven)              | 55 Amp (Battery charging 40 Amp) | 12V 44A                                          | 12V, 660W, 55A               |

| <b>YAMAHA<br/>F175C/FL175C</b> |                                                            | <b>MERCURY<br/>175</b>                                                               | <b>HONDA<br/>BF175</b>           | <b>SUZUKI<br/>DF175AP</b>                        | <b>TOHATSU<br/>—</b> |
|--------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|----------------------|
| Engine type                    | 16-Valve, DOHC, Direct action, In-line 4                   | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve            | DOHC, 4 cylinders, 16-Valve                      | —                    |
| Displacement                   | 2785 cm <sup>3</sup>                                       | 3.4 L                                                                                | 3583 cc                          | 2867 cm <sup>3</sup>                             | —                    |
| Bore × Stroke                  | 96.0 × 96.2 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                       | 97 × 97 mm                                       | —                    |
| Max. prop shaft output         | 128.7 kW (175 ps) @5500 r/min                              | 175 HP/ 130 kW                                                                       | 175 hp (128.7 kw) @5500 rpm      | 129.0 kW (175 PS)/ 5800 rpm                      | —                    |
| Full throttle operating range  | 5000-6000 r/min                                            | 5000-5800 rpm                                                                        | 5000-6000 rpm                    | 5500-6100 rpm                                    | —                    |
| Fuel induction system          | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | —                    |
| Ignition system                | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed        | Fullytransistorized                              | —                    |
| Gear ratio                     | 1.86 (26/14)                                               | 1.85:1                                                                               | 1.87:1                           | 2.50:1                                           | —                    |
| Dry weight with prop.          | 226-227 kg                                                 | 216 kg                                                                               | 285 kg                           | 236-241 kg                                       | —                    |
| Engine transom height          | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                                                             | X: 635 mm                        | L: 508 mm<br>X: 635 mm                           | —                    |
| Alternator                     | 50 Amp with Rectifier regulator (battery charging: 42 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (Battery charging 60-Amp) | 12V 44A                                          | —                    |

**DEC (Digital Electronic Control) model**

| YAMAHA<br>F175F/FL175F        |                               | MERCURY<br>175                                                                       | HONDA<br>BF175                   | SUZUKI<br>DF175A                                 | TOHATSU<br>— |
|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------|--------------|
| Engine type                   | 16-valve, DOHC, In-line 4     | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve            | DOHC, 4 cylinders, 16-Valve                      | —            |
| Displacement                  | 2785 cm³                      | 3.4 L                                                                                | 3583 cc                          | 2867 cm³                                         | —            |
| Bore × Stroke                 | 96.0 × 96.2 mm                | 92 × 86 mm                                                                           | 89 × 96 mm                       | 97 × 97 mm                                       | —            |
| Max. prop shaft output        | 128.7 kW (175 ps) @5500 r/min | 175 HP/ 130 kW                                                                       | 175 hp (128.7 kw) @5500 rpm      | 129.0 kW (175 PS)/ 5800 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min               | 5000-5800 rpm                                                                        | 5000-6000 rpm                    | 5500-6100 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection     | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                           | SmartCraft ECM 112 Digital Inductive                                                 | Micro-Computer Programmed        | Fullytransistorized                              | —            |
| Gear ratio                    | 1.86 (26/14)                  | 1.85:1                                                                               | 1.87:1                           | 2.50:1                                           | —            |
| Dry weight with prop.         | 241 kg                        | 216 kg                                                                               | 285 kg                           | 235-240 kg                                       | —            |
| Engine transom height         | X: 642 mm                     | 20"/508 mm 25"/635 mm                                                                | X: 635 mm                        | L: 502 mm X: 629 mm                              | —            |
| Alternator                    | 50 A (Charging capacity: 38A) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (Battery charging 60-Amp) | 12V 44A                                          | —            |

| YAMAHA<br>F200G/FL200G        |                                                            | MERCURY<br>200                                                                       | HONDA<br>BF200iST                                         | SUZUKI<br>DF200AP                                | TOHATSU<br>BFT200D        |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-Valve, DOHC with VCT, Direct action, In-line 4          | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, 4 cylinders 16-Valve                       | SOHC -60° V6 24 Valve     |
| Displacement                  | 2785 cm³                                                   | 3.4 L                                                                                | 3583 cm³                                                  | 2867 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 96.0 × 96.2 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 97 × 97 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min                              | 200 HP/ 149 kW                                                                       | 200 hp (147.1 kw) @5500 rpm                               | 147 kW (200 PS)/ 5800 rpm                        | 200 hp (147.1 kw)         |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-5800 rpm                                                                        | 5000-6000 rpm                                             | 5500-6100 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 1.86 (26/14)                                               | 1.85:1                                                                               | 2.00:1                                                    | 2.50:1                                           | 2.0:1                     |
| Dry weight with prop.         | 226-228 kg                                                 | 216 kg                                                                               | 280-286 kg                                                | 236-241 kg                                       | 279-284 kg                |
| Engine transom height         | L: 516 mm X: 643 mm                                        | 20"/508 mm 25"/635 mm                                                                | L: 508 mm X: 635 mm                                       | L: 508 mm X: 635 mm                              | L: 508 mm X: 635 mm       |
| Alternator                    | 50 Amp with Rectifier regulator (battery charging: 42 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 44A                                          | 12V, 1080W, 90A           |

**DEC (Digital Electronic Control) model**

| YAMAHA<br>F200P/FL200P        |                               | MERCURY<br>200                                                                       | HONDA<br>BF200iST                                         | SUZUKI<br>DF200AP                                | TOHATSU<br>BFT200D        |
|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-valve, DOHC, In-line 4     | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, 4 cylinders 16-Valve                       | SOHC -60° V6 24 Valve     |
| Displacement                  | 2785 cm³                      | 3.4 L                                                                                | 3583 cm³                                                  | 2867 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 96.0 × 96.2 mm                | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 97 × 97 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min | 200 HP/ 149 kW                                                                       | 200 hp (147.1 kw) @5500 rpm                               | 147 kW (200 PS)/ 5800 rpm                        | 200 hp (147.1 kw)         |
| Full throttle operating range | 5000-6000 r/min               | 5000-5800 rpm                                                                        | 5000-6000 rpm                                             | 5500-6100 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection     | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                           | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 1.86 (26/14)                  | 1.85:1                                                                               | 2.00:1                                                    | 2.50:1                                           | 2.0:1                     |
| Dry weight with prop.         | 240-241 kg                    | 216 kg                                                                               | 280-286 kg                                                | 236-241 kg                                       | 279-284 kg                |
| Engine transom height         | L: 516 mm<br>X: 642 mm        | 20"/508 mm<br>25"/635 mm                                                             | L: 508 mm<br>X: 635 mm                                    | L: 508 mm<br>X: 635 mm                           | L: 508 mm<br>X: 635 mm    |
| Alternator                    | 50 A (Charging capacity: 42A) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 44A                                          | 12V, 1080W, 90A           |

| YAMAHA<br>F225F/FL225F              | MERCURY<br>225                                                            | HONDA<br>BF225iST                                                                                   | SUZUKI<br>DF225                                                          | TOHATSU<br>BFT225D                                        |                                  |
|-------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------|
| Engine<br>type                      | 24-Valve,<br>DOHC with VCT,<br>Direct action,<br>60 deg. V6               | V6 (64 degree)<br>DOHC<br>24-valves                                                                 | SOHC -60° V6<br>24 Valve                                                 | DOHC, V6<br>(55-degree),<br>24-Valve                      | SOHC -60° V6<br>24 Valve         |
| Displace-<br>ment                   | 4169 cm³                                                                  | 3.4 L                                                                                               | 3583 cm³                                                                 | 3614 cm³                                                  | 3583 cc                          |
| Bore ×<br>Stroke                    | 96.0 × 96.0<br>mm                                                         | 92 × 86 mm                                                                                          | 89 × 96 mm                                                               | 95 × 85 mm                                                | 89 × 96 mm                       |
| Max. prop<br>shaft output           | 165.5 kW<br>(225 ps)<br>@5500 r/min                                       | 225 HP/<br>168 kW                                                                                   | 225 hp<br>(165.5 kw)<br>@5500 rpm                                        | 165.0 kW<br>(225 PS)/<br>5500 rpm                         | 225 hp<br>(165.5 kw)             |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                                                        | 5200-6000<br>rpm                                                                                    | 5000-6000<br>rpm                                                         | 5000-6000<br>rpm                                          | 5000-6000<br>rpm                 |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection                                              | Electronic Fuel<br>Injection (EFI)<br>Computer<br>Controlled with<br>Advanced Range<br>Optimization | Programmed<br>Fuel Injection                                             | Multi-Point<br>Sequential<br>Electronic Fuel<br>Injection | EFI                              |
| Ignition<br>system                  | TCI                                                                       | SmartCraft<br>PCM 112 Digital<br>Inductive                                                          | Micro-<br>Computer<br>Programmed                                         | Fullytransis-<br>torized                                  | Micro-<br>Computer<br>Programmed |
| Gear ratio                          | 1.75<br>(21/12)                                                           | 1.85:1                                                                                              | 2.00:1                                                                   | 2.29:1                                                    | 2.0:1                            |
| Dry weight<br>with prop.            | 260-268 kg                                                                | 216 kg                                                                                              | 282-293 kg                                                               | 264-284 kg                                                | 281-286 kg                       |
| Engine<br>transom<br>height         | X: 643 mm<br>U: 770 mm                                                    | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                                              | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                                     | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | L: 508 mm<br>X: 635 mm           |
| Alternator                          | 70 Amp with<br>Rectifier<br>regulator<br>(battery<br>charging:<br>55 Amp) | 85-amp<br>(1071 Watt)<br>with Idle<br>Charge                                                        | 90-Amp<br>(1118 watt)<br>(Battery<br>charging<br>60 Amps<br>(756 watts)) | 12V 54A                                                   | 12V, 1080W,<br>90A               |

**DEC (Digital Electronic Control) model**

| YAMAHA<br>F250D/FL250D        |                                                            | MERCURY<br>250 Verado                                                                | HONDA<br>BF250iST                                         | SUZUKI<br>DF250AP                                | TOHATSU<br>BFT250D                   |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve                |
| Displacement                  | 4169 cm <sup>3</sup>                                       | 4.6 L                                                                                | 3583 cm <sup>3</sup>                                      | 4028 cm <sup>3</sup>                             | 3583 cc                              |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 98 × 89 mm                                       | 89 × 96 mm                           |
| Max. prop shaft output        | 183.8 kW (250 ps) @5500 r/min                              | 250 HP/ 186 kW                                                                       | 250 hp (183.9 kw) @5800 rpm                               | 184.0 kW (250 PS)/ 5800 rpm                      | 250 hp (186.4 kw)                    |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | 5300-6300 rpm                                             | 5500-6100 rpm                                    | 5300-6300 rpm                        |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                                  |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.85:1                                                                               | 2.00:1                                                    | 2.08:1                                           | 2.00:1                               |
| Dry weight with prop.         | 260-268 kg                                                 | 272 kg                                                                               | 282-293 kg                                                | 290-299 kg                                       | 284-291 kg                           |
| Engine transom height         | X: 643 mm<br>U: 770 mm                                     | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | X: 635 mm<br>XX: 762 mm                          | L: 508 mm<br>X: 636 mm<br>XX: 762 mm |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 115-amp (1449 Watt) with Idle Charge                                                 | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A                      |

| YAMAHA<br>F300B/FL300B        |                                                            | MERCURY<br>300 Verado                                                                | HONDA<br>— | SUZUKI<br>DF300AP                                | TOHATSU<br>— |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|--------------------------------------------------|--------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | —          | DOHC, V6 (55-degree), 24-Valve                   | —            |
| Displacement                  | 4169 cm <sup>3</sup>                                       | 4.6 L                                                                                | —          | 4028 cm <sup>3</sup>                             | —            |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | —          | 98 × 89 mm                                       | —            |
| Max. prop shaft output        | 220.6 kW (300 ps) @5500 r/min                              | 300 HP/ 224 kW                                                                       | —          | 220.7 kW (300 PS)/ 6000 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | —          | 5700-6300 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —          | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | —          | Fullytransistorized                              | —            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.75:1/1.85:1                                                                        | —          | 2.08:1                                           | —            |
| Dry weight with prop.         | 260-268 kg                                                 | 272 kg                                                                               | —          | 290-299 kg                                       | —            |
| Engine transom height         | X: 643 mm<br>U: 770 mm                                     | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | —          | X: 635 mm<br>XX: 762 mm                          | —            |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 115-amp (1449 Watt) with Idle Charge                                                 | —          | 12V 54A                                          | —            |

**DEC (Digital Electronic Control) model**

| YAMAHA<br>F225J/FL225J        |                                                            | MERCURY<br>225                                                                       | HONDA<br>BF225iST                                         | SUZUKI<br>DF225                                  | TOHATSU<br>BFT225D        |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve     |
| Displacement                  | 4169 cm³                                                   | 3.4 L                                                                                | 3583 cm³                                                  | 3614 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 95 × 85 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 165.5 kW (225 ps) @5500 r/min                              | 225 HP/ 168 kW                                                                       | 225 hp (165.5 kw) @5500 rpm                               | 165.0 kW (225 PS)/ 5500 rpm                      | 225 hp (165.5 kw)         |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | 5000-6000 rpm                                             | 5000-6000 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 1.75 (21/12)                                               | 1.85:1                                                                               | 2.00:1                                                    | 2.29:1                                           | 2.0:1                     |
| Dry weight with prop.         | 263-273 kg                                                 | 216 kg                                                                               | 282-293 kg                                                | 264-284 kg                                       | 281-286 kg                |
| Engine transom height         | X: 643 mm<br>U: 770 mm<br>E: 897 mm                        | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | L: 508 mm<br>X: 635 mm<br>XX: 762 mm             | L: 508 mm<br>X: 635 mm    |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A           |

| YAMAHA<br>F250P/FL250P        |                                                            | MERCURY<br>250 Verado                                                                | HONDA<br>BF250iST                                         | SUZUKI<br>DF250AP                                | TOHATSU<br>BFT250D                   |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve                |
| Displacement                  | 4169 cm³                                                   | 4.6 L                                                                                | 3583 cm³                                                  | 4028 cm³                                         | 3583 cc                              |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 98 × 89 mm                                       | 89 × 96 mm                           |
| Max. prop shaft output        | 183.8 kW (250 ps) @5500 r/min                              | 250 HP/ 186 kW                                                                       | 250 hp (183.9 kw) @5800 rpm                               | 184.0 kW (250 PS)/ 5800 rpm                      | 250 hp (186.4 kw)                    |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | 5300-6300 rpm                                             | 5500-6100 rpm                                    | 5300-6300 rpm                        |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                                  |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.85:1                                                                               | 2.00:1                                                    | 2.08:1                                           | 2.0:1                                |
| Dry weight with prop.         | 263-273 kg                                                 | 272 kg                                                                               | 282-293 kg                                                | 290-299 kg                                       | 284-291 kg                           |
| Engine transom height         | X: 643 mm<br>U: 770 mm<br>E: 897 mm                        | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | X: 635 mm<br>XX: 762 mm                          | L: 508 mm<br>X: 636 mm<br>XX: 762 mm |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 115-amp (1449 Watt) with Idle Charge                                                 | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A                      |

**DEC (Digital Electronic Control) model**

| YAMAHA<br>F300G/FL300G        |                                                            | MERCURY<br>300 Verado                                                                | HONDA<br>— | SUZUKI<br>DF300AP                                | TOHATSU<br>— |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|--------------------------------------------------|--------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | —          | DOHC, V6 (55-degree), 24-Valve                   | —            |
| Displacement                  | 4169 cm <sup>3</sup>                                       | 4.6 L                                                                                | —          | 4028 cm <sup>3</sup>                             | —            |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | —          | 98 × 89 mm                                       | —            |
| Max. prop shaft output        | 220.6 kW (300 ps) @5500 r/min                              | 300 HP/ 224 kW                                                                       | —          | 220.7 kW (300 PS)/ 6000 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | —          | 5700-6300 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —          | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | —          | Fullytransistorized                              | —            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.75:1/1.85:1                                                                        | —          | 2.08:1                                           | —            |
| Dry weight with prop.         | 263-273 kg                                                 | 272 kg                                                                               | —          | 290-299 kg                                       | —            |
| Engine transom height         | X: 643 mm<br>U: 770 mm<br>E: 897 mm                        | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | —          | X: 635 mm<br>XX: 762 mm                          | —            |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 115-amp (1449 Watt) with Idle Charge                                                 | —          | 12V 54A                                          | —            |

**DES (Digital Electric Steering) model**

| YAMAHA<br>F150H/FL150H        |                               | MERCURY<br>— | HONDA<br>BF150D              | SUZUKI<br>DF150AP                                | TOHATSU<br>— |
|-------------------------------|-------------------------------|--------------|------------------------------|--------------------------------------------------|--------------|
| Engine type                   | 16-valve, DOHC, In-line 4     | —            | DOHC - 4 cylinders/ 16 Valve | DOHC, 4 cylinders, 16-Valve                      | —            |
| Displacement                  | 2785 cm <sup>3</sup>          | —            | 2354 cc                      | 2867 cm <sup>3</sup>                             | —            |
| Bore × Stroke                 | 96.0 × 96.2 mm                | —            | 87 × 99 mm                   | 97 × 97 mm                                       | —            |
| Max. prop shaft output        | 110.3 kW (150 ps) @5500 r/min | —            | 150 hp (110.3 kw) @5500 rpm  | 110.0 kW (150 PS)/ 5500 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min               | —            | 5000-6000 rpm                | 5000-6000 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection     | —            | Programmed Fuel Injection    | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                           | —            | Micro-Computer Programmed    | Fullytransistorized                              | —            |
| Gear ratio                    | 2.0 (28/14)                   | —            | —                            | 2.50:1                                           | —            |
| Dry weight with prop.         | 242-244 kg                    | —            | 224-227 kg                   | 236-241 kg                                       | —            |
| Engine transom height         | L: 516 mm<br>X: 642 mm        | —            | L: 508 mm<br>X: 635 mm       | L: 502 mm<br>X: 629 mm                           | —            |
| Alternator                    | 50 A (Charging capacity: 31A) | —            | —                            | 12V 44A                                          | —            |

**DES (Digital Electric Steering) model**

| YAMAHA<br>F175D/FL175D        | MERCURY<br>175                | HONDA<br>BF175D                                                                      | SUZUKI<br>DF175AP           | TOHATSU<br>—                                     |   |
|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------|---|
| Engine type                   | 16-valve, DOHC, In-line 4     | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve       | DOHC, 16-Valve                                   | — |
| Displacement                  | 2785 cm³                      | 3.4 L                                                                                | 3583 cc                     | 2867 cm³                                         | — |
| Bore × Stroke                 | 96.0 × 96.2 mm                | 92 × 86 mm                                                                           | 89 × 96 mm                  | 97 × 97 mm                                       | — |
| Max. prop shaft output        | 128.7 kW (175 ps) @5500 r/min | 175 HP/ 130 kW                                                                       | 175 hp (128.7 kw) @5500 rpm | 129.0 kW (175 PS)/ 5800 rpm                      | — |
| Full throttle operating range | 5000-6000 r/min               | 5000-5800 rpm                                                                        | 5000-6000 rpm               | 5500-6100 rpm                                    | — |
| Fuel induction system         | Electronic fuel injection     | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection   | Multi-Point Sequential Electronic Fuel Injection | — |
| Ignition system               | TCI                           | —                                                                                    | Micro-Computer Programmed   | Fullytransistorized                              | — |
| Gear ratio                    | 1.86 (26/14)                  | 1.85:1                                                                               | —                           | 2.50:1                                           | — |
| Dry weight with prop.         | 243-244 kg                    | 216 kg                                                                               | 285 kg                      | 236-241 kg                                       | — |
| Engine transom height         | X: 642 mm                     | L: 508 mm<br>X: 635 mm                                                               | X: 635 mm                   | L: 508 mm<br>X: 635 mm                           | — |
| Alternator                    | 50 A (Charging capacity: 31A) | 85-amp (1071 Watt) with Idle Charge                                                  | 12-60A                      | 12V 44A                                          | — |

| YAMAHA<br>F200N/FL200N        |                               | MERCURY<br>200                                                                       | HONDA<br>BF200D             | SUZUKI<br>DF200AP                                | TOHATSU<br>BFT200D        |
|-------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-valve, DOHC, In-line 4     | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve       | DOHC, 4 cylinders 16-Valve                       | SOHC -60° V6 24 Valve     |
| Displacement                  | 2785 cm³                      | 3.4 L                                                                                | 3583 cm³                    | 2867 cm³                                         | 3583 cc                   |
| Bore × Stroke                 | 96.0 × 96.2 mm                | 92 × 86 mm                                                                           | 89 × 96 mm                  | 97 × 97 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min | 200 HP/ 149 kW                                                                       | 200 hp (147.1 kw) @5500 rpm | 147 kW (200 PS)/ 5800 rpm                        | 200 hp (147.1 kw)         |
| Full throttle operating range | 5000-6000 r/min               | 5000-5800 rpm                                                                        | 5000-6000 rpm               | 5500-6100 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection     | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection   | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                           | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed   | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 1.86 (26/14)                  | 1.85:1                                                                               | —                           | 2.50:1                                           | 2.0:1                     |
| Dry weight with prop.         | 243-245 kg                    | 216 kg                                                                               | 285 kg                      | 236-241 kg                                       | 279-284 kg                |
| Engine transom height         | L: 516 mm<br>X: 642 mm        | 20"/508 mm<br>25"/635 mm                                                             | X: 635 mm                   | L: 508 mm<br>X: 635 mm                           | L: 508 mm<br>X: 635 mm    |
| Alternator                    | 50 A (Charging capacity: 31A) | 85-amp (1071 Watt) with Idle Charge                                                  | 12-60A                      | 12V 44A                                          | 12V, 1080W, 90A           |

**DES (Digital Electric Steering) model**

| YAMAHA<br>F250N/FL250N        |                                                            | MERCURY<br>250 Verado                                                                | HONDA<br>BF250iST                                         | SUZUKI<br>DF250AP                                | TOHATSU<br>BFT250D                   |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve                |
| Displacement                  | 4169 cm <sup>3</sup>                                       | 4.6 L                                                                                | 3583 cm <sup>3</sup>                                      | 4028 cm <sup>3</sup>                             | 3583 cc                              |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 98 × 89 mm                                       | 89 × 96 mm                           |
| Max. prop shaft output        | 183.8 kW (250 ps) @5500 r/min                              | 250 HP/ 186 kW                                                                       | 250 hp (183.9 kw) @5800 rpm                               | 184.0 kW (250 PS)/ 5800 rpm                      | 250 hp (186.4 kw)                    |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | 5300-6300 rpm                                             | 5500-6100 rpm                                    | 5300-6300 rpm                        |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                                  |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.85:1                                                                               | 2.00:1                                                    | 2.08:1                                           | 2.00:1                               |
| Dry weight with prop.         | 288-299 kg                                                 | 272 kg                                                                               | 282-293 kg                                                | 290-299 kg                                       | 284-291 kg                           |
| Engine transom height         | X: 640 mm<br>U: 767 mm<br>E: 894 mm                        | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | X: 635 mm<br>XX: 762 mm                          | L: 508 mm<br>X: 636 mm<br>XX: 762 mm |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 34 Amp) | 115-amp (1449 Watt) with Idle Charge                                                 | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A                      |

| YAMAHA<br>F300F/FL300F        |                                                            | MERCURY<br>300 Verado                                                                | HONDA<br>— | SUZUKI<br>DF300B            | TOHATSU<br>— |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|-----------------------------|--------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | —          | DOHC, 24-Valve              | —            |
| Displacement                  | 4169 cm <sup>3</sup>                                       | 4.6 L                                                                                | —          | 4390 cm <sup>3</sup>        | —            |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | —          | 98 × 97 mm                  | —            |
| Max. prop shaft output        | 220.6 kW (300 ps) @5500 r/min                              | 300 HP/ 224 kW                                                                       | —          | 220.7 kW (300 PS)/ 5800 rpm | —            |
| Full throttle operating range | 5000-6000 r/min                                            | 5200-6000 rpm                                                                        | —          | 5300-6300 rpm               | —            |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —          | Electronic Fuel Injection   | —            |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | —          | —                           | —            |
| Gear ratio                    | 1.75 (21/12)                                               | 1.75:1/1.85:1                                                                        | —          | 2.29:1                      | —            |
| Dry weight with prop.         | 288-299 kg                                                 | 272 kg                                                                               | —          | 330-338 kg                  | —            |
| Engine transom height         | X: 640 mm<br>U: 767 mm<br>E: 894 mm                        | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | —          | X: 635 mm<br>XX: 762 mm     | —            |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 34 Amp) | 115-amp (1449 Watt) with Idle Charge                                                 | —          | 12V 54A                     | —            |

**DES (Digital Electric Steering) model**

| YAMAHA<br>F350B/FL350B        |                                     | MERCURY<br>350 Verado                                | HONDA<br>BF350                                               | SUZUKI<br>DF350A          | TOHATSU<br>— |
|-------------------------------|-------------------------------------|------------------------------------------------------|--------------------------------------------------------------|---------------------------|--------------|
| Engine type                   | 24-Valve, DOHC V6                   | V10                                                  | SOHC, 60° V8, 32 Valve                                       | DOHC 24 Valves            | —            |
| Displacement                  | 4256 cm³                            | 5.7 L                                                | 4952 cc                                                      | 4390 cm³                  | —            |
| Bore × Stroke                 | 96.0 × 98.0 mm                      | —                                                    | 89 × 99.5 mm                                                 | 98 × 97 mm                | —            |
| Max. prop shaft output        | 257.4 kW (350 ps) @5500 r/min       | 350 HP/ 257.4 kW                                     | 350 HP/ 257.4 kW                                             | 350 HP/ 257.4 kW          | —            |
| Full throttle operating range | 5000-6000 r/min                     | 5800-6400 rpm                                        | 5000-6000 rpm                                                | 5700-6300 rpm             | —            |
| Fuel induction system         | Electronic fuel injection           | —                                                    | Programmed Fuel Injection                                    | Electronic Fuel Injection | —            |
| Ignition system               | TCI                                 | —                                                    | Micro-Computer Programmed                                    | —                         | —            |
| Gear ratio                    | 1.75 (21/12)                        | 2.08:1                                               | 1.79:1                                                       | 2.29:1                    | —            |
| Dry weight with prop.         | 293-304 kg                          | 316 kg                                               | 347-352 kg                                                   | 330-338 kg                | —            |
| Engine transom height         | X: 640 mm<br>U: 767 mm<br>E: 894 mm | 20"/508 mm<br>25"/635 mm<br>30"/762 mm<br>35"/889 mm | 25"/635 mm<br>30"/762 mm                                     | X: 635 mm<br>XX: 762 mm   | —            |
| Alternator                    | 74 Amp                              | 150 amp                                              | 93 Amps (Electric Start)<br>70 Amps (Battery Charging Power) | 12V 54A                   | —            |

| YAMAHA<br>F400A/FL400A        |                                     | MERCURY<br>400 Verado                                | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------|-------------------------------------|------------------------------------------------------|------------|-------------|--------------|
| Engine type                   | 32-Valve, DOHC 60 deg. V8           | V10                                                  | —          | —           | —            |
| Displacement                  | 5559 cm³                            | 5.7 L                                                | —          | —           | —            |
| Bore × Stroke                 | 96.0 × 96.0 mm                      | —                                                    | —          | —           | —            |
| Max. prop shaft output        | 294.2 kW (400 ps) @5500 r/min       | 400 HP/ 298 kW                                       | —          | —           | —            |
| Full throttle operating range | 5000-6000 r/min                     | 5800-6400 rpm                                        | —          | —           | —            |
| Fuel induction system         | Electronic fuel injection           | —                                                    | —          | —           | —            |
| Ignition system               | TCI                                 | —                                                    | —          | —           | —            |
| Gear ratio                    | 1.79 (25/14)                        | 2.08:1                                               | —          | —           | —            |
| Dry weight with prop.         | 447-468 kg                          | 316 kg                                               | —          | —           | —            |
| Engine transom height         | X: 640 mm<br>U: 767 mm<br>E: 894 mm | 20"/508 mm<br>25"/635 mm<br>30"/762 mm<br>35"/889 mm | —          | —           | —            |
| Alternator                    | 104 A (battery charging: 88 A)      | 150 amp                                              | —          | —           | —            |

**DES (Digital Electric Steering) model**

| <b>YAMAHA<br/>F450A/FL450A</b>      |                                         | <b>MERCURY<br/>—</b> | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------------|-----------------------------------------|----------------------|--------------------|---------------------|----------------------|
| Engine type                         | 32-Valve,<br>DOHC 60 deg.<br>V8         | —                    | —                  | —                   | —                    |
| Displacement                        | 5559 cm <sup>3</sup>                    | —                    | —                  | —                   | —                    |
| Bore × Stroke                       | 96.0 × 96.0<br>mm                       | —                    | —                  | —                   | —                    |
| Max. prop<br>shaft output           | 331.0 kW<br>(450 ps)<br>@5500 r/min     | —                    | —                  | —                   | —                    |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                      | —                    | —                  | —                   | —                    |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection            | —                    | —                  | —                   | —                    |
| Ignition<br>system                  | TCI                                     | —                    | —                  | —                   | —                    |
| Gear ratio                          | 1.79<br>(25/14)                         | —                    | —                  | —                   | —                    |
| Dry weight<br>with prop.            | 447-468 kg                              | —                    | —                  | —                   | —                    |
| Engine<br>transom<br>height         | X: 640 mm<br>U: 767 mm<br>E: 894 mm     | —                    | —                  | —                   | —                    |
| Alternator                          | 102 A<br>(battery<br>charging:<br>96 A) | —                    | —                  | —                   | —                    |

**VMAX SHO model**

| <b>YAMAHA<br/>F90D</b>              |                                            | <b>MERCURY<br/>90/90 CT/<br/>90 SeaPro</b>                       | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------------|--------------------------------------------|------------------------------------------------------------------|--------------------|---------------------|----------------------|
| Engine type                         | 16-Valve,<br>SOHC, In-line 4               | 8-valve single<br>overhead cam<br>(SOHC) In-line 4               | —                  | —                   | —                    |
| Displacement                        | 1832 cm <sup>3</sup>                       | 2.1 L                                                            | —                  | —                   | —                    |
| Bore × Stroke                       | 81.0 × 88.9<br>mm                          | 90 × 81 mm                                                       | —                  | —                   | —                    |
| Max. prop<br>shaft output           | 66.2 kW<br>(90 ps)<br>@5500 r/min          | 90 HP/67 kW                                                      | —                  | —                   | —                    |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                         | 90/90 CT:<br>5000-6000<br>rpm<br>90 SeaPro:<br>5000-5500<br>rpm  | —                  | —                   | —                    |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection               | Electronic Fuel<br>Injection (EFI)                               | —                  | —                   | —                    |
| Ignition<br>system                  | TCI                                        | SmartCraft<br>ECM 70 Digital<br>Inductive                        | —                  | —                   | —                    |
| Gear ratio                          | 2.33<br>(28/12)                            | 90: 2.07:1<br>90 CT/90<br>SeaPro: 2.38:1                         | —                  | —                   | —                    |
| Dry weight<br>with prop.            | 162, 166 kg                                | 90: 163 kg<br>90 CT/90<br>SeaPro: 165 kg                         | —                  | —                   | —                    |
| Engine<br>transom<br>height         | L: 516 mm<br>X: 643 mm                     | 20"/508 mm<br>25"/635 mm                                         | —                  | —                   | —                    |
| Alternator                          | 35 Amp<br>(battery<br>charging:<br>21 Amp) | 35 amp /441<br>watt with<br>water-cooled<br>voltage<br>regulator | —                  | —                   | —                    |

**VMAX SHO model**

| YAMAHA F90F                   |                                   | MERCURY 90/90 CT/ 90 SeaPro                          | HONDA — | SUZUKI — | TOHATSU — |
|-------------------------------|-----------------------------------|------------------------------------------------------|---------|----------|-----------|
| Engine type                   | 16-Valve, SOHC, In-line 4         | 8-valve single overhead cam (SOHC) In-line 4         | —       | —        | —         |
| Displacement                  | 1832 cm <sup>3</sup>              | 2.1 L                                                | —       | —        | —         |
| Bore × Stroke                 | 81.0 × 88.9 mm                    | 90 × 81 mm                                           | —       | —        | —         |
| Max. prop shaft output        | 66.2 kW (90 ps) @5500 r/min       | 90 HP/67 kW                                          | —       | —        | —         |
| Full throttle operating range | 5000-6000 r/min                   | 90/90 CT: 5000-6000 rpm<br>90 SeaPro: 5000-5500 rpm  | —       | —        | —         |
| Fuel induction system         | Electronic fuel injection         | Electronic Fuel Injection (EFI)                      | —       | —        | —         |
| Ignition system               | TCI                               | SmartCraft ECM 70 Digital Inductive                  | —       | —        | —         |
| Gear ratio                    | 2.33 (28/12)                      | 90: 2.07:1<br>90 CT/90 SeaPro: 2.38:1                | —       | —        | —         |
| Dry weight with prop.         | 162, 166 kg                       | 90: 163 kg<br>90 CT/90 SeaPro: 165 kg                | —       | —        | —         |
| Engine transom height         | L: 516 mm<br>X: 643 mm            | 20"/508 mm<br>25"/635 mm                             | —       | —        | —         |
| Alternator                    | 35 Amp (battery charging: 21 Amp) | 35 amp /441 watt with water-cooled voltage regulator | —       | —        | —         |

| YAMAHA F115C                  |                                   | MERCURY PRO XS 115                                    | HONDA — | SUZUKI — | TOHATSU — |
|-------------------------------|-----------------------------------|-------------------------------------------------------|---------|----------|-----------|
| Engine type                   | 16-Valve, DOHC, In-line 4         | 8-valve single overhead cam (SOHC) In-line 4          | —       | —        | —         |
| Displacement                  | 1832 cm <sup>3</sup>              | 2.1 L                                                 | —       | —        | —         |
| Bore × Stroke                 | 81.0 × 88.9 mm                    | 90 × 81 mm                                            | —       | —        | —         |
| Max. prop shaft output        | 84.6 kW (115 ps) @5800 r/min      | 115 HP/ 86 kW                                         | —       | —        | —         |
| Full throttle operating range | 5300-6300 r/min                   | 5300-6300 rpm                                         | —       | —        | —         |
| Fuel induction system         | Electronic fuel injection         | Electronic Fuel Injection (EFI)                       | —       | —        | —         |
| Ignition system               | TCI                               | SmartCraft ECM 07 Digital Inductive                   | —       | —        | —         |
| Gear ratio                    | 2.15 (28/13)                      | 2.07:1 or 2.38:1 (CT model)                           | —       | —        | —         |
| Dry weight with prop.         | 176, 180 kg                       | 163 kg                                                | —       | —        | —         |
| Engine transom height         | L: 516 mm<br>X: 643 mm            | 20"/508 mm<br>25"/635 mm                              | —       | —        | —         |
| Alternator                    | 35 Amp (battery charging: 27 Amp) | 35 amp / 441 watt with water-cooled voltage regulator | —       | —        | —         |

**VMAX SHO model**

| YAMAHA<br>F115D                     |                                            | MERCURY<br>PRO XS 115                                             | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------------|--------------------------------------------|-------------------------------------------------------------------|------------|-------------|--------------|
| Engine type                         | 16-Valve,<br>DOHC, In-line 4               | 8-valve single<br>overhead cam<br>(SOHC) In-line 4                | —          | —           | —            |
| Displacement                        | 1832 cm <sup>3</sup>                       | 2.1 L                                                             | —          | —           | —            |
| Bore × Stroke                       | 81.0 × 88.9<br>mm                          | 90 × 81 mm                                                        | —          | —           | —            |
| Max. prop<br>shaft output           | 84.6 kW<br>(115 ps)<br>@5800 r/min         | 115 HP/<br>86 kW                                                  | —          | —           | —            |
| Full throttle<br>operating<br>range | 5300-6300<br>r/min                         | 5300-6300<br>rpm                                                  | —          | —           | —            |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection               | Electronic Fuel<br>Injection(EFI)                                 | —          | —           | —            |
| Ignition<br>system                  | TCI                                        | SmartCraft<br>ECM 07 Digital<br>Inductive                         | —          | —           | —            |
| Gear ratio                          | 2.15<br>(28/13)                            | 2.07:1 or<br>2.38:1<br>(CT model)                                 | —          | —           | —            |
| Dry weight<br>with prop.            | 176, 180 kg                                | 163 kg                                                            | —          | —           | —            |
| Engine<br>transom<br>height         | L: 516 mm<br>X: 643 mm                     | 20"/508 mm<br>25"/635 mm                                          | —          | —           | —            |
| Alternator                          | 35 Amp<br>(battery<br>charging:<br>27 Amp) | 35 amp /<br>441 watt with<br>water-cooled<br>voltage<br>regulator | —          | —           | —            |

| YAMAHA<br>F150C                     |                                            | MERCURY<br>PRO XS 150                                                     | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|------------|-------------|--------------|
| Engine type                         | 16-Valve,<br>DOHC, with<br>VCT, In-line 4  | 8-valve single<br>overhead cam<br>(SOHC) In-line 4                        | —          | —           | —            |
| Displacement                        | 2785 cm <sup>3</sup>                       | 3.0 L                                                                     | —          | —           | —            |
| Bore × Stroke                       | 96.0 × 96.2<br>mm                          | 102 × 92 mm                                                               | —          | —           | —            |
| Max. prop<br>shaft output           | 110.3 kW<br>(150 ps)<br>@5500 r/min        | 150 HP/<br>110 kW                                                         | —          | —           | —            |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                         | 5200-6000<br>rpm                                                          | —          | —           | —            |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection               | Computer<br>Controlled<br>Multi-Port<br>Electronic Fuel<br>Injection(EFI) | —          | —           | —            |
| Ignition<br>system                  | TCI                                        | SmartCraft<br>ECM 07 Digital<br>Inductive                                 | —          | —           | —            |
| Gear ratio                          | 2.0 (28/14)                                | 2.08:1                                                                    | —          | —           | —            |
| Dry weight<br>with prop.            | 223, 227 kg                                | 207 kg                                                                    | —          | —           | —            |
| Engine<br>transom<br>height         | L: 516 mm<br>X: 643 mm                     | 20"/508 mm<br>25"/635 mm                                                  | —          | —           | —            |
| Alternator                          | 50 Amp<br>(battery<br>charging:<br>42 Amp) | —                                                                         | —          | —           | —            |

**VMAX SHO model**

| YAMAHA<br>F150N                     |                                            | MERCURY<br>PRO XS 150                                                     | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|------------|-------------|--------------|
| Engine type                         | 16-Valve,<br>DOHC,with<br>VCT,In-line 4    | 8-valve single<br>overhead cam<br>(SOHC)In-line 4                         | —          | —           | —            |
| Displace-<br>ment                   | 2785 cm <sup>3</sup>                       | 3.0 L                                                                     | —          | —           | —            |
| Bore ×<br>Stroke                    | 96.0 × 96.2<br>mm                          | 102 × 92 mm                                                               | —          | —           | —            |
| Max. prop<br>shaft output           | 110.3 kW<br>(150 ps)<br>@5500 r/min        | 150 HP/<br>110 kW                                                         | —          | —           | —            |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                         | 5200-6000<br>rpm                                                          | —          | —           | —            |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection               | Computer<br>Controlled<br>Multi-Port<br>Electronic Fuel<br>Injection(EFI) | —          | —           | —            |
| Ignition<br>system                  | TCI                                        | SmartCraft<br>ECM 07 Digital<br>Inductive                                 | —          | —           | —            |
| Gear ratio                          | 2.0 (28/14)                                | 2.08:1                                                                    | —          | —           | —            |
| Dry weight<br>with prop.            | 223, 227 kg                                | 207 kg                                                                    | —          | —           | —            |
| Engine<br>transom<br>height         | L: 516 mm<br>X: 643 mm                     | 20"/508 mm<br>25"/635 mm                                                  | —          | —           | —            |
| Alternator                          | 50 Amp<br>(battery<br>charging:<br>42 Amp) | —                                                                         | —          | —           | —            |

| YAMAHA<br>F175B                     |                                            | MERCURY<br>PRO XS 175                                                                                 | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------|------------|-------------|--------------|
| Engine type                         | 16-Valve,<br>DOHC,with<br>VCT,In-line 4    | V6                                                                                                    | —          | —           | —            |
| Displace-<br>ment                   | 2785 cm <sup>3</sup>                       | 3.4 L                                                                                                 | —          | —           | —            |
| Bore ×<br>Stroke                    | 96.0 × 96.2<br>mm                          | 92 × 86 mm                                                                                            | —          | —           | —            |
| Max. prop<br>shaft output           | 128.7 kW<br>(175 ps)<br>@5500 r/min        | 175 HP/<br>130 kW                                                                                     | —          | —           | —            |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                         | 5400-6000<br>rpm                                                                                      | —          | —           | —            |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection               | Electronic Fuel<br>Injection(EFI)<br>Computer<br>Controlled<br>with Advanced<br>Range<br>Optimization | —          | —           | —            |
| Ignition<br>system                  | TCI                                        | SmartCraft<br>PCM 112<br>Digital<br>Inductive                                                         | —          | —           | —            |
| Gear ratio                          | 1.86<br>(26/14)                            | 1.85:1                                                                                                | —          | —           | —            |
| Dry weight<br>with prop.            | 223, 227 kg                                | 213 kg                                                                                                | —          | —           | —            |
| Engine<br>transom<br>height         | L: 516 mm<br>X: 643 mm                     | 20"/508 mm<br>25"/635 mm                                                                              | —          | —           | —            |
| Alternator                          | 50 Amp<br>(battery<br>charging:<br>42 Amp) | 85-amp<br>(1071 Watt)<br>with Idle<br>Charge                                                          | —          | —           | —            |

**VMAX SHO model**

| YAMAHA<br>F175H                     |                                            | MERCURY<br>PRO XS 175                                                                                 | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------|------------|-------------|--------------|
| Engine type                         | 16-Valve,<br>DOHC,with<br>VCT,In-line 4    | V6                                                                                                    | —          | —           | —            |
| Displacement                        | 2785 cm <sup>3</sup>                       | 3.4 L                                                                                                 | —          | —           | —            |
| Bore × Stroke                       | 96.0 × 96.2<br>mm                          | 92 × 86 mm                                                                                            | —          | —           | —            |
| Max. prop<br>shaft output           | 128.7 kW<br>(175 ps)<br>@5500 r/min        | 175 HP/<br>130 kW                                                                                     | —          | —           | —            |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                         | 5400-6000<br>rpm                                                                                      | —          | —           | —            |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection               | Electronic Fuel<br>Injection(EFI)<br>Computer<br>Controlled<br>with Advanced<br>Range<br>Optimization | —          | —           | —            |
| Ignition<br>system                  | TCI                                        | SmartCraft<br>PCM 112<br>Digital<br>Inductive                                                         | —          | —           | —            |
| Gear ratio                          | 1.86<br>(26/14)                            | 1.85:1                                                                                                | —          | —           | —            |
| Dry weight<br>with prop.            | 223, 227 kg                                | 213 kg                                                                                                | —          | —           | —            |
| Engine<br>transom<br>height         | L: 516 mm<br>X: 643 mm                     | 20"/508 mm<br>25"/635 mm                                                                              | —          | —           | —            |
| Alternator                          | 50 Amp<br>(battery<br>charging:<br>42 Amp) | 85-amp<br>(1071 Watt)<br>with Idle<br>Charge                                                          | —          | —           | —            |

| YAMAHA<br>F200J                     |                                            | MERCURY<br>PRO XS 200                                                                                  | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------|------------|-------------|--------------|
| Engine<br>type                      | 24-Valve,<br>DOHC V6                       | V8                                                                                                     | —          | —           | —            |
| Displacement                        | 4169 cm <sup>3</sup>                       | 4.6 L                                                                                                  | —          | —           | —            |
| Bore × Stroke                       | 96.0 × 96.0<br>mm                          | 92 × 86 mm                                                                                             | —          | —           | —            |
| Max. prop<br>shaft output           | 147.1 kW<br>(200 ps)<br>@5500 r/min        | 200 HP/<br>149 kW                                                                                      | —          | —           | —            |
| Full throttle<br>operating<br>range | 5000-6000<br>r/min                         | 5600-6200<br>rpm                                                                                       | —          | —           | —            |
| Fuel<br>induction<br>system         | Electronic fuel<br>injection               | Electronic Fuel<br>Injection (EFI)<br>Computer<br>Controlled<br>with Advanced<br>Range<br>Optimization | —          | —           | —            |
| Ignition<br>system                  | TCI                                        | SmartCraft<br>PCM 112<br>Digital<br>Inductive                                                          | —          | —           | —            |
| Gear ratio                          | 1.75<br>(21/12)                            | 1.75:1<br>(TorqueMaster<br>or 5.44");<br>1.85:1 (4.8")                                                 | —          | —           | —            |
| Dry weight<br>with prop.            | 247 kg                                     | 229 kg                                                                                                 | —          | —           | —            |
| Engine<br>transom<br>height         | L: 493 mm                                  | 20"/508 mm<br>25"/635 mm                                                                               | —          | —           | —            |
| Alternator                          | 70 Amp<br>(battery<br>charging:<br>57 Amp) | 85-amp<br>(1071 Watt)<br>with Idle<br>Charge                                                           | —          | —           | —            |

**VMAX SHO model**

| <b>YAMAHA<br/>F225L</b>       |                                   | <b>MERCURY<br/>PRO XS 225</b>                                                        | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|--------------------|---------------------|----------------------|
| Engine type                   | 24-Valve, DOHC V6                 | V8                                                                                   | —                  | —                   | —                    |
| Displacement                  | 4169 cm <sup>3</sup>              | 4.6 L                                                                                | —                  | —                   | —                    |
| Bore × Stroke                 | 96.0 × 96.0 mm                    | 92 × 86 mm                                                                           | —                  | —                   | —                    |
| Max. prop shaft output        | 165.5 kW (225 ps) @5500 r/min     | 225 HP/168 kW                                                                        | —                  | —                   | —                    |
| Full throttle operating range | 5000-6000 r/min                   | 5600-6200 rpm                                                                        | —                  | —                   | —                    |
| Fuel induction system         | Electronic fuel injection         | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —                  | —                   | —                    |
| Ignition system               | TCI                               | SmartCraft PCM 112 Digital Inductive                                                 | —                  | —                   | —                    |
| Gear ratio                    | 1.75 (21/12)                      | 1.75:1                                                                               | —                  | —                   | —                    |
| Dry weight with prop.         | 247 kg                            | 229 kg                                                                               | —                  | —                   | —                    |
| Engine transom height         | L: 493 mm                         | 20"/508 mm<br>25"/635 mm                                                             | —                  | —                   | —                    |
| Alternator                    | 70 Amp (battery charging: 57 Amp) | 85-amp (1071 Watt) with Idle Chargee                                                 | —                  | —                   | —                    |

| <b>YAMAHA<br/>F250Q</b>       |                                   | <b>MERCURY<br/>PRO XS 250</b>                                                        | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|--------------------|---------------------|----------------------|
| Engine type                   | 24-Valve, DOHC V6                 | V8                                                                                   | —                  | —                   | —                    |
| Displacement                  | 4169 cm <sup>3</sup>              | 4.6 L                                                                                | —                  | —                   | —                    |
| Bore × Stroke                 | 96.0 × 96.0 mm                    | 92 × 86 mm                                                                           | —                  | —                   | —                    |
| Max. prop shaft output        | 183.8 kW (250 ps) @5500 r/min     | 250 HP/186 kW                                                                        | —                  | —                   | —                    |
| Full throttle operating range | 5000-6000 r/min                   | 5600-6200 rpm                                                                        | —                  | —                   | —                    |
| Fuel induction system         | Electronic fuel injection         | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —                  | —                   | —                    |
| Ignition system               | TCI                               | SmartCraft PCM 112 Digital Inductive                                                 | —                  | —                   | —                    |
| Gear ratio                    | 1.75 (21/12)                      | 1.75:1                                                                               | —                  | —                   | —                    |
| Dry weight with prop.         | 247 kg                            | 229 kg                                                                               | —                  | —                   | —                    |
| Engine transom height         | L: 493 mm                         | 20"/508 mm<br>25"/635 mm                                                             | —                  | —                   | —                    |
| Alternator                    | 70 Amp (battery charging: 57 Amp) | 85-amp (1071 Watt) with Idle Chargee                                                 | —                  | —                   | —                    |

**VMAX SHO model**

| <b>YAMAHA<br/>F200L</b>       |                                   | <b>MERCURY<br/>PRO XS 200</b>                                                        | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|--------------------|---------------------|----------------------|
| Engine type                   | 24-Valve, DOHC V6                 | V8                                                                                   | —                  | —                   | —                    |
| Displacement                  | 4169 cm <sup>3</sup>              | 4.6 L                                                                                | —                  | —                   | —                    |
| Bore × Stroke                 | 96.0 × 96.0 mm                    | 92 × 86 mm                                                                           | —                  | —                   | —                    |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min     | 200 HP/ 149 kW                                                                       | —                  | —                   | —                    |
| Full throttle operating range | 5000-6000 r/min                   | 5600-6200 rpm                                                                        | —                  | —                   | —                    |
| Fuel induction system         | Electronic fuel injection         | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —                  | —                   | —                    |
| Ignition system               | TCI                               | SmartCraft PCM 112 Digital Inductive                                                 | —                  | —                   | —                    |
| Gear ratio                    | 1.75 (21/12)                      | 1.75:1 (TorqueMaster or 5.44"); 1.85:1 (4.8")                                        | —                  | —                   | —                    |
| Dry weight with prop.         | 264 kg                            | 229 kg                                                                               | —                  | —                   | —                    |
| Engine transom height         | X: 643 mm                         | 20"/508 mm 25"/635 mm                                                                | —                  | —                   | —                    |
| Alternator                    | 70 Amp (battery charging: 57 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | —                  | —                   | —                    |

| <b>YAMAHA<br/>F250R</b>       |                                   | <b>MERCURY<br/>PRO XS 250</b>                                                        | <b>HONDA<br/>—</b> | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> |
|-------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|--------------------|---------------------|----------------------|
| Engine type                   | 24-Valve, DOHC V6                 | V8                                                                                   | —                  | —                   | —                    |
| Displacement                  | 4169 cm <sup>3</sup>              | 4.6 L                                                                                | —                  | —                   | —                    |
| Bore × Stroke                 | 96.0 × 96.0 mm                    | 92 × 86 mm                                                                           | —                  | —                   | —                    |
| Max. prop shaft output        | 183.8 kW (250 ps) @5500 r/min     | 250 HP/ 186 kW                                                                       | —                  | —                   | —                    |
| Full throttle operating range | 5000-6000 r/min                   | 5600-6200 rpm                                                                        | —                  | —                   | —                    |
| Fuel induction system         | Electronic fuel injection         | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —                  | —                   | —                    |
| Ignition system               | TCI                               | SmartCraft PCM 112 Digital Inductive                                                 | —                  | —                   | —                    |
| Gear ratio                    | 1.75 (21/12)                      | 1.75:1                                                                               | —                  | —                   | —                    |
| Dry weight with prop.         | 264 kg                            | 229 kg                                                                               | —                  | —                   | —                    |
| Engine transom height         | X: 643 mm                         | 20"/508 mm 25"/635 mm                                                                | —                  | —                   | —                    |
| Alternator                    | 70 Amp (battery charging: 57 Amp) | 85-amp (1071 Watt) with Idle Chargee                                                 | —                  | —                   | —                    |

**Commercial model**

| YAMAHA F20C                   |                                 | MERCURY 20 EFI                  | HONDA BF20                                                           | SUZUKI DF20A                                                  | TOHATSU MFS20E                                               |
|-------------------------------|---------------------------------|---------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| Engine type                   | SOHC, In-line 2                 | SOHC, Inline 2                  | SOHC - 2 cylinders/ 4 Valves                                         | OHC, 2 cylinders                                              | 2 cylinders                                                  |
| Displacement                  | 362 cm³                         | 333 cc                          | 350 cc                                                               | 327 cm³                                                       | 333 cc                                                       |
| Bore × Stroke                 | 63.0 × 58.1 mm                  | 61 × 57 mm                      | 59 × 64 mm                                                           | 60.4 × 57 mm                                                  | 61 × 57 mm                                                   |
| Max. prop shaft output        | 14.7 kW (20 ps) @5500 r/min     | 20 HP/ 14.7 kW                  | 20 hp (14.7 kw) @5500 rpm                                            | 14.7 kW (20 PS)/ 5800 rpm                                     | 20 HP (14.7 kw)                                              |
| Full throttle operating range | 5000-6000 r/min                 | 5700-6200 rpm                   | 5000-6000 rpm                                                        | 5300-6300 rpm                                                 | 5400-6100 rpm                                                |
| Fuel induction system         | 1 carburetor                    | Electronic Fuel Injection (EFI) | 1 carburetor                                                         | Battery-Less Multi-Point Sequential Electronic Fuel Injection | EFI                                                          |
| Ignition system               | CDI                             | CDI w/electronic spark advance  | PGM-IG                                                               | Digital CDI                                                   | —                                                            |
| Gear ratio                    | 2.08 (27/13)                    | 2.15:1                          | 2.08:1                                                               | 2.08:1                                                        | 2.15:1                                                       |
| Dry weight with prop.         | 51-54 kg                        | 45 kg                           | 47-50 kg                                                             | 44-49 kg                                                      | 43.0-53.5 kg                                                 |
| Engine transom height         | S: 438 mm<br>L: 565 mm          | 15"/381 mm<br>20"/508 mm        | S: 381 mm<br>L: 508 mm                                               | S: 381 mm<br>L: 508 mm                                        | S: 381 mm<br>L: 508 mm                                       |
| Alternator                    | 10 Amp with Rectifier regulator | 12 amp (145 watt)               | 12-Amp (151 watt) (Electric Start)<br>6-Amp (76 watt) (Manual Start) | Manual: 12V 6A<br>Electric: 12V 12A                           | Optional: 12V, 145W, 12A (Standard on Electric Start Models) |

| YAMAHA F40J                   |                                 | MERCURY 40 EFI                  | HONDA BF40                                  | SUZUKI DF40A                                     | TOHATSU MFS40A         |
|-------------------------------|---------------------------------|---------------------------------|---------------------------------------------|--------------------------------------------------|------------------------|
| Engine type                   | SOHC, In-line 3                 | SOHC, Inline 3                  | SOHC - 3 cylinders - 2 Valves/cyl.          | DOHC, 3 cylinders, 12-Valve                      | 3 cylinders            |
| Displacement                  | 747 cm³                         | 747 cc                          | 808 cc                                      | 941 cm³                                          | 866 cc                 |
| Bore × Stroke                 | 65.0 × 75.0 mm                  | 65 × 75 mm                      | 70 × 70 mm                                  | 72.5 × 76 mm                                     | 70 × 75 mm             |
| Max. prop shaft output        | 29.4 kW (40 ps) @5500 r/min     | 40 HP/ 30 kW                    | 40 hp (29.4 kw) @5500 rpm                   | 29.4 kW (40 PS)/ 5500 rpm                        | 40 HP (29.4 kw)        |
| Full throttle operating range | 5000-6000 r/min                 | 5500-6000 rpm                   | 5000-6000 rpm                               | 5000-6000 rpm                                    | 5000-6000 rpm          |
| Fuel induction system         | 3 carburetors                   | Electronic Fuel Injection (EFI) | Programmed Fuel Injection                   | Multi-Point Sequential Electronic Fuel Injection | EFI                    |
| Ignition system               | CDI                             | ECM 70                          | Micro-Computer Programmed                   | Fullytransistorized                              | Digital CD             |
| Gear ratio                    | 2.0 (26/13)                     | 2.00:1                          | 2.08:1                                      | 2.27:1                                           | 2.08:1                 |
| Dry weight with prop.         | 95 kg                           | 93 kg                           | 97 kg                                       | 102-104 kg                                       | 95-102 kg              |
| Engine transom height         | L: 536 mm                       | 15"/381 mm<br>20"/508 mm        | L: 508 mm                                   | S: 381 mm<br>L: 508 mm                           | S: 381 mm<br>L: 508 mm |
| Alternator                    | 14 Amp with Rectifier regulator | 18 amp (226 watt)               | 22-Amp (275 watt) (Battery charging 17-Amp) | 12V 19A                                          | 12V, 252W, 21A         |

**Commercial model**

| YAMAHA<br>F50D                |                                 | MERCURY<br>50 EFI               | HONDA<br>BF50                               | SUZUKI<br>DF50A                                  | TOHATSU<br>MFS50A      |
|-------------------------------|---------------------------------|---------------------------------|---------------------------------------------|--------------------------------------------------|------------------------|
| Engine type                   | SOHC, In-line 4                 | SOHC, Inline 4                  | SOHC - 3 cylinders, 2 Valves/cyl.           | DOHC, 3 cylinders, 12-Valve                      | 3 cylinders            |
| Displacement                  | 935 cm³                         | 995 cc                          | 808 cc                                      | 941 cm³                                          | 866 cc                 |
| Bore × Stroke                 | 63.0 × 75.0 mm                  | 65 × 75 mm                      | 70 × 70 mm                                  | 72.5 × 76 mm                                     | 70 × 75 mm             |
| Max. prop shaft output        | 36.8 kW (50 ps) @5500 r/min     | 50 HP/ 37 kW                    | 50 hp (36.8 kw) @6000 rpm                   | 36.8 kW (50 PS)/ 5800 rpm                        | 50 HP (36.8 kw)        |
| Full throttle operating range | 5000-6000 r/min                 | 5000-6000 rpm                   | 5500-6000 rpm                               | 5300-6300 rpm                                    | 5000-6000 rpm          |
| Fuel induction system         | 4 carburetors                   | Electronic Fuel Injection (EFI) | Programmed Fuel Injection                   | Multi-Point Sequential Electronic Fuel Injection | EFI                    |
| Ignition system               | CDI                             | ECM 70                          | Micro-Computer Programmed                   | Fullytransistorized                              | Digital CD             |
| Gear ratio                    | 1.85 (24/13)                    | 1.83:1                          | 2.08:1                                      | 2.27:1                                           | 2.08:1                 |
| Dry weight with prop.         | 110 kg                          | 112 kg                          | 97-101 kg                                   | 102-104 kg                                       | 95-102 kg              |
| Engine transom height         | L: 533 mm                       | 20"/508 mm                      | L: 508 mm<br>X: 635 mm                      | S: 381 mm<br>L: 508 mm                           | S: 381 mm<br>L: 508 mm |
| Alternator                    | 10 Amp with Rectifier regulator | 18 amp (226 watt)               | 22-Amp (275 watt) (Battery charging 17-Amp) | 12V 19A                                          | 12V, 252W, 21A         |

| YAMAHA<br>FT50C               |                                 | MERCURY<br>50 CT                | HONDA<br>— | SUZUKI<br>— | TOHATSU<br>— |
|-------------------------------|---------------------------------|---------------------------------|------------|-------------|--------------|
| Engine type                   | SOHC, In-line 4                 | SOHC, Inline 4                  | —          | —           | —            |
| Displacement                  | 935 cm³                         | 995 cc                          | —          | —           | —            |
| Bore × Stroke                 | 63.0 × 75.0 mm                  | 65 × 75 mm                      | —          | —           | —            |
| Max. prop shaft output        | 36.8 kW (50 ps) @5500 r/min     | 50 HP/ 37 kW                    | —          | —           | —            |
| Full throttle operating range | 5000-6000 r/min                 | 5500-6000 rpm                   | —          | —           | —            |
| Fuel induction system         | 4 carburetors                   | Electronic Fuel Injection (EFI) | —          | —           | —            |
| Ignition system               | CDI                             | ECM 07 Digital Inductive        | —          | —           | —            |
| Gear ratio                    | 2.31 (30/13)                    | 2.33:1                          | —          | —           | —            |
| Dry weight with prop.         | 117-121 kg                      | 118 kg                          | —          | —           | —            |
| Engine transom height         | L: 536 mm<br>X: 647 mm          | 20"/508 mm                      | —          | —           | —            |
| Alternator                    | 10 Amp with Rectifier regulator | 18 amp (226 watt)               | —          | —           | —            |

Commercial model

|                               | YAMAHA<br>F75F                                             | MERCURY<br>75                                         | HONDA<br>BF75                               | SUZUKI<br>— | TOHATSU<br>BFT75A            |
|-------------------------------|------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------|-------------|------------------------------|
| Engine type                   | 16-Valve, SOHC, In-line 4                                  | 8-valve single overhead cam (SOHC) In-line 4          | SOHC -4 cylinders/ 16 Valves                | —           | SOHC -4 cylinders/ 16 Valves |
| Displacement                  | 1832 cm³                                                   | 2.1 L                                                 | 1496 cc                                     | —           | 1496 cc                      |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | 90 × 81 mm                                            | 73 × 89.4 mm                                | —           | 73 × 89 mm                   |
| Max. prop shaft output        | 55.2 kW (75 ps) @5500 r/min                                | 75 HP/ 56 kW                                          | 75 hp (55.2 kw) @5500 rpm                   | —           | 75 hp (55.9 kw)              |
| Full throttle operating range | 5000-6000 r/min                                            | 4500-5500 rpm                                         | 5000-6000 rpm                               | —           | 5000-6000 rpm                |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)                       | Programmed Fuel Injection                   | —           | EFI                          |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive                   | Micro-Computer Programmed                   | —           | Micro-Computer Programmed    |
| Gear ratio                    | 2.15 (28/13)                                               | 2.07:1                                                | 2.33:1                                      | —           | 2.33:1                       |
| Dry weight with prop.         | 162-171 kg                                                 | 163 kg                                                | 163 kg                                      | —           | 166-179 kg                   |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm                                            | L: 508 mm                                   | —           | L: 537 mm<br>X: 664 mm       |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 21 Amp) | 35 amp / 441 watt with water-cooled voltage regulator | 44-Amp (554 watt) (Battery charging 35-Amp) | —           | 12V, 420W, 44A               |

|                               | YAMAHA<br>F100G                                            | MERCURY<br>100 CT                                     | HONDA<br>BF100                   | SUZUKI<br>DF100B                                 | TOHATSU<br>BFT100AK1      |
|-------------------------------|------------------------------------------------------------|-------------------------------------------------------|----------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 16-Valve, SOHC, In-line 4                                  | 8-valve single overhead cam (SOHC) In-line 4          | SOHC -4 cylinders/ 16 Valves     | DOHC, 4 cylinders, 16-Valve                      | 4 cylinders SOHC          |
| Displacement                  | 1832 cm³                                                   | 2.1 L                                                 | 1496 cc                          | 1502 cm³                                         | 1496 cc                   |
| Bore × Stroke                 | 81.0 × 88.9 mm                                             | 90 × 81 mm                                            | 73 × 89.4 mm                     | 75 × 85 mm                                       | 73 × 89 mm                |
| Max. prop shaft output        | 73.6 kW (100 ps) @5500 r/min                               | 100 HP/ 73.6 kW                                       | 100 hp (73.6 kw) @5900 rpm       | 73.6 kW (100 PS)/ 6000 rpm                       | 100 hp (73.6 kw)          |
| Full throttle operating range | 5000-6000 r/min                                            | 5000-6000 rpm                                         | 5500-6300 rpm                    | 5700-6300 rpm                                    | 5300-6300 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)                       | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive                   | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 2.15 (28/13)                                               | 2.38:1                                                | 2.33:1                           | 2.59:1                                           | 2.33:1 (12:28)            |
| Dry weight with prop.         | 162-171 kg                                                 | 165 kg                                                | 163-166 kg                       | 155-159 kg                                       | 165-178 kg                |
| Engine transom height         | L: 516 mm<br>X: 643 mm                                     | 20"/508 mm<br>25"/635 mm                              | L: 508 mm<br>X: 635 mm           | L: 508 mm<br>X: 635 mm                           | L: 537 mm<br>X: 664 mm    |
| Alternator                    | 35 Amp with Rectifier regulator (battery charging: 21 Amp) | 35 amp / 441 watt with water-cooled voltage regulator | 44-Amp (Battery charging 35 Amp) | 12V 27A                                          | 12V, 420W, 35A            |

**Commercial model**

| YAMAHA<br>F150F/FL150F        |                                                            | MERCURY<br>150 SeaPro                       | HONDA<br>BF150                   | SUZUKI<br>DF150A                                 | TOHATSU<br>BFT150A           |
|-------------------------------|------------------------------------------------------------|---------------------------------------------|----------------------------------|--------------------------------------------------|------------------------------|
| Engine type                   | 16-Valve, DOHC, Direct action, In-line 4                   | 8-valve single overhead cam (SOHC) Inline 4 | DOHC - 4 cylinders/ 16 Valve     | DOHC, 4 cylinders, 16-Valve                      | DOHC - 4 cylinders/ 16 Valve |
| Displacement                  | 2670 cm <sup>3</sup>                                       | 3.0 L                                       | 2354 cc                          | 2867 cm <sup>3</sup>                             | 2354 cc                      |
| Bore × Stroke                 | 94.0 × 96.2 mm                                             | 102 × 92 mm                                 | 87 × 99 mm                       | 97 × 97 mm                                       | 87 × 99 mm                   |
| Max. prop shaft output        | 110.3 kW (150 ps) @5500 r/min                              | 150 HP/ 110 kW                              | 150 hp (110.3 kw) @5500 rpm      | 110.0 kW (150 PS)/ 5500 rpm                      | 150 hp (110.32 kw)           |
| Full throttle operating range | 4500-5500 r/min                                            | 4800-5300 rpm                               | 5000-6000 rpm                    | 5000-6000 rpm                                    | 5000-6000 rpm                |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI)             | Programmed Fuel Injection        | Multi-Point Sequential Electronic Fuel Injection | EFI                          |
| Ignition system               | TCI                                                        | SmartCraft ECM 70 Digital Inductive         | Micro-Computer Programmed        | Fullytransistorized                              | Micro-Computer Programmed    |
| Gear ratio                    | 2.0 (28/14)                                                | 2.08:1                                      | 2.14:1                           | 2.50:1                                           | 2.14:1                       |
| Dry weight with prop.         | 223 kg                                                     | 206 kg                                      | 218-224 kg                       | 235-240 kg                                       | 217-220 kg                   |
| Engine transom height         | X: 643 mm                                                  | 20"/508 mm 25"/635 mm                       | L: 508 mm X: 635 mm              | L: 508 mm X: 635 mm                              | L: 508 mm X: 635 mm          |
| Alternator                    | 36 Amp with Rectifier regulator (battery charging: 21 Amp) | 60 amp / 756 watt (Belt-Driven)             | 55 Amp (Battery charging 40 Amp) | 12V 44A                                          | 12V, 660W, 55A               |

| YAMAHA<br>F200B/FL200B        |                                                            | MERCURY<br>200 SeaPro                                                                | HONDA<br>BF200                                            | SUZUKI<br>DF200                                  | TOHATSU<br>BFT200D        |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|---------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V6 (64 degree) DOHC 24-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve     |
| Displacement                  | 3352 cm <sup>3</sup>                                       | 3.4 L                                                                                | 3583 cc                                                   | 3614 cm <sup>3</sup>                             | 3583 cc                   |
| Bore × Stroke                 | 94.0 × 80.5 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 95 × 85 mm                                       | 89 × 96 mm                |
| Max. prop shaft output        | 147.1 kW (200 ps) @5500 r/min                              | 200 HP/ 149 kW                                                                       | 200 hp (147.1 kw) @5500 rpm                               | 147.0 kW (200 PS)/ 5500 rpm                      | 200 hp (147.1 kw)         |
| Full throttle operating range | 5000-6000 r/min                                            | 4600-5400 rpm                                                                        | 5000-6000 rpm                                             | 5000-6000 rpm                                    | 5000-6000 rpm             |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                       |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed |
| Gear ratio                    | 2.0 (30/15)                                                | 1.85:1                                                                               | 2.00:1                                                    | 2.29:1                                           | 2.0:1                     |
| Dry weight with prop.         | 283-289 kg                                                 | 220 kg                                                                               | 276-282 kg                                                | 264-284 kg                                       | 279-284 kg                |
| Engine transom height         | X: 643 mm U: 770 mm                                        | 20"/508 mm 25"/635 mm                                                                | L: 508 mm X: 635 mm                                       | L: 508 mm X: 635 mm XX: 762 mm                   | L: 508 mm X: 635 mm       |
| Alternator                    | 44 Amp with Rectifier regulator (battery charging: 28 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A           |

Commercial model

| YAMAHA<br>F250H/FL250H        |                                                            | MERCURY<br>250 SeaPro                                                                | HONDA<br>BF250                                            | SUZUKI<br>DF250                                  | TOHATSU<br>BFT250D                   |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | SOHC -60° V6 24 Valve                                     | DOHC, V6 (55-degree), 24-Valve                   | SOHC -60° V6 24 Valve                |
| Displacement                  | 3352 cm³                                                   | 4.6 L                                                                                | 3583 cc                                                   | 3614 cm³                                         | 3583 cc                              |
| Bore × Stroke                 | 94.0 × 80.5 mm                                             | 92 × 86 mm                                                                           | 89 × 96 mm                                                | 95 × 85 mm                                       | 89 × 96 mm                           |
| Max. prop shaft output        | 183.9 kW (250 ps) @5500 r/min                              | 250 HP/ 186 kW                                                                       | 250 hp (183.9 kw) @5800 rpm                               | 184.0 kW (250 PS)/ 5800 rpm                      | 250 hp (186.4 kw)                    |
| Full throttle operating range | 5000-6000 r/min                                            | 4800-5600 rpm                                                                        | 5300-6300 rpm                                             | 5500-6100 rpm                                    | 5300-6300 rpm                        |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | Programmed Fuel Injection                                 | Multi-Point Sequential Electronic Fuel Injection | EFI                                  |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | Micro-Computer Programmed                                 | Fullytransistorized                              | Micro-Computer Programmed            |
| Gear ratio                    | 2.0 (26/13)                                                | 1.75:1                                                                               | 2.00:1                                                    | 2.29:1                                           | 2.0:1                                |
| Dry weight with prop.         | 283-289 kg                                                 | 239 kg                                                                               | 276-286 kg                                                | 264-284 kg                                       | 284-291 kg                           |
| Engine transom height         | X: 643 mm<br>U: 770 mm                                     | 20"/508 mm<br>25"/635 mm<br>30"/762 mm                                               | L: 508 mm<br>X: 635 mm<br>XX: 762 mm                      | L: 508 mm<br>X: 635 mm<br>XX: 762 mm             | L: 508 mm<br>X: 636 mm<br>XX: 762 mm |
| Alternator                    | 44 Amp with Rectifier regulator (battery charging: 27 Amp) | 85-amp (1071 Watt) with Idle Charge                                                  | 90-Amp (1118 watt) (Battery charging 60 Amps (756 watts)) | 12V 54A                                          | 12V, 1080W, 90A                      |

| YAMAHA<br>F300D/FL300D        |                                                            | MERCURY<br>300 SeaPro AMS                                                            | HONDA<br>— | SUZUKI<br>DF300AP                                | TOHATSU<br>— |
|-------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|--------------------------------------------------|--------------|
| Engine type                   | 24-Valve, DOHC with VCT, Direct action, 60 deg. V6         | V8 (64 degree) DOHC 32-valves                                                        | —          | DOHC, V6 (55-degree), 24-Valve                   | —            |
| Displacement                  | 4169 cm³                                                   | 4.6 L                                                                                | —          | 4028 cm³                                         | —            |
| Bore × Stroke                 | 96.0 × 96.0 mm                                             | 92 × 86 mm                                                                           | —          | 98 × 89 mm                                       | —            |
| Max. prop shaft output        | 220.6 kW (300 ps) @5500 r/min                              | 300 HP/ 224 kW                                                                       | —          | 220.7 kW (300 PS)/ 6000 rpm                      | —            |
| Full throttle operating range | 5000-6000 r/min                                            | 4800-5600 rpm                                                                        | —          | 5700-6300 rpm                                    | —            |
| Fuel induction system         | Electronic fuel injection                                  | Electronic Fuel Injection (EFI) Computer Controlled with Advanced Range Optimization | —          | Multi-Point Sequential Electronic Fuel Injection | —            |
| Ignition system               | TCI                                                        | SmartCraft PCM 112 Digital Inductive                                                 | —          | Fullytransistorized                              | —            |
| Gear ratio                    | 1.73 (26/15)                                               | 1.75:1                                                                               | —          | 2.08:1                                           | —            |
| Dry weight with prop.         | 269-276 kg                                                 | 272 kg                                                                               | —          | 290-299 kg                                       | —            |
| Engine transom height         | X: 643 mm<br>U: 770 mm                                     | 20"/ 508 mm<br>25"/ 635 mm<br>30"/ 762 mm                                            | —          | X: 635 mm<br>XX: 762 mm                          | —            |
| Alternator                    | 70 Amp with Rectifier regulator (battery charging: 55 Amp) | 115-amp (1449 Watt) with Idle Charge                                                 | —          | 12V 54A                                          | —            |

**YAMAHA**  
**OUTBOARD MOTORS**

# **2-stroke** **Models**

2-stroke

PRODUCT INFORMATION GUIDE  
**2024**

# 2-stroke Model Line-up

## Carburetor model

2-200  
PS

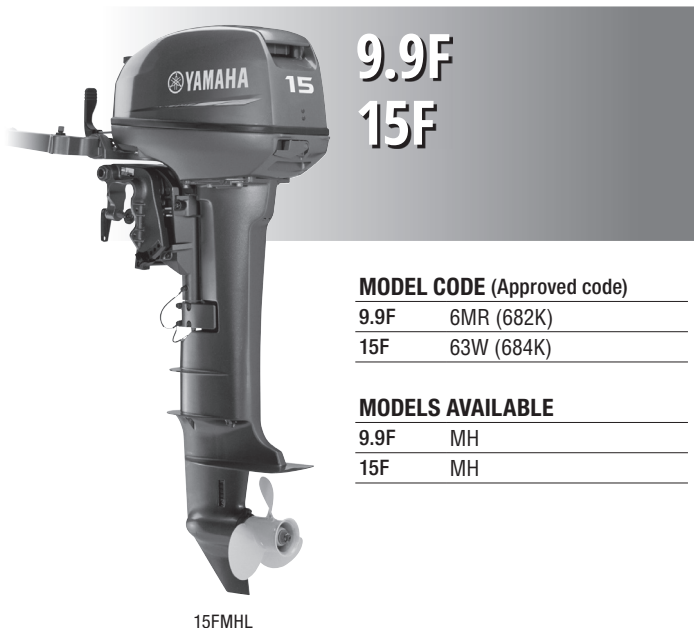
9.9F L2 246 cm³  
15F

40X L2 703 cm³

85A L3 1140 cm³

2-stroke  
Line-up

# Carburetor model



## 9.9F 15F

### MODEL CODE (Approved code)

9.9F 6MR (682K)

15F 63W (684K)

### MODELS AVAILABLE

9.9F MH

15F MH

15FMHL

### Dimension

|                       |                                            |
|-----------------------|--------------------------------------------|
| Overall length        | 873 mm (34.4 in)                           |
| Overall width         | 332 mm (13.1 in)                           |
| Overall height        | S: 1040 mm (40.9 in), L: 1167 mm (45.9 in) |
| Engine transom height | S: 440 mm (17.3 in), L: 567 mm (22.3 in)   |
| Minimum distance      | —                                          |
| Steering angle        | 45 deg. each direction                     |
| Dry weight            | 36 – 38 kg                                 |

| Performance                   | 9.9F                   | 15F                    |
|-------------------------------|------------------------|------------------------|
| Max. prop shaft output        | 7.3 kW (9.9 ps)        | 11.0 kW (15 ps)        |
| Full throttle operating range | 4500 – 5500 r/min      |                        |
| Idling speed                  | 700 – 800 r/min        |                        |
| Fuel consumption              | 5.1 L/h<br>@5500 r/min | 7.3 L/h<br>@5500 r/min |

### Engine

|                         |                                        |
|-------------------------|----------------------------------------|
| Engine type             | In-line 2                              |
| Displacement            | 246 cm <sup>3</sup>                    |
| Bore × stroke           | 56.0 × 50.0 mm                         |
| Compression ratio       | 6.8 :1                                 |
| Scavenging              | Loop charge                            |
| Fuel induction system   | 1 carburetor                           |
| Lubrication system      | Pre-mixed fuel and oil                 |
| Oil - fuel mixing ratio | 50 :1 (EUR, OCE 100 :1)                |
| Engine oil capacity     | —                                      |
| Ignition system         | CDI                                    |
| Ignition timing         | ATDC 5.0 – BTDC 30.0 deg.              |
| Spark plug              | B7HS-10                                |
| Alternator              | 80 W (EUR, RUS: 6 A)                   |
| Cooling system          | Raw-water, thermostatically controlled |
| Exhaust system          | Through propeller boss                 |

### Bracket / Drive

|                     |              |
|---------------------|--------------|
| Trim                | 4 positions  |
| Shallow water drive | 2 positions  |
| Gear shift          | F-N-R        |
| Gear ratio          | 2.08 (27/13) |
| Gear oil capacity   | 0.250 L      |
| Propeller fitting   | Spline       |
| Propeller rotation  | Clockwise    |
| Shaft length        | S, L         |

2-stroke

Carburetor

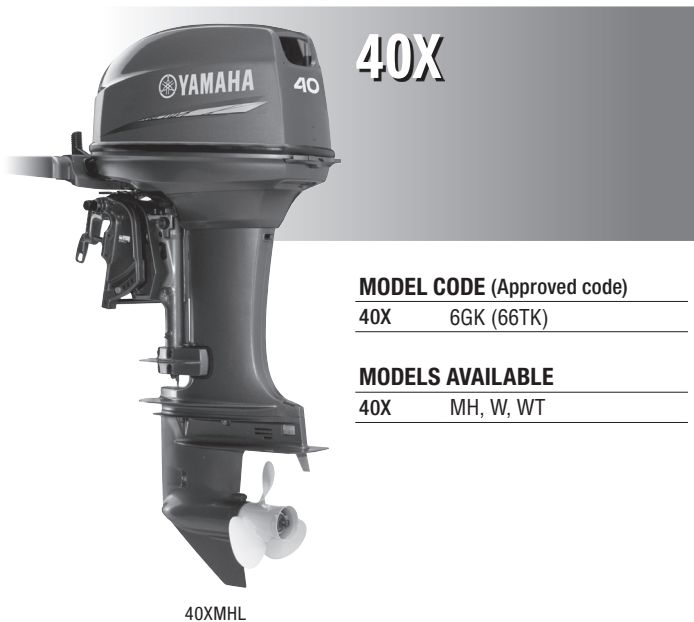
| Feature Table        |                                    | 9.9F | 15F |
|----------------------|------------------------------------|------|-----|
| Security             | Start in gear protection           | •    | •   |
|                      | Engine stop switch lanyard         | •    | •   |
| Corrosion prevention | Stainless steel water pump housing | •    | •   |
|                      | Chrome plated water pump housing   | •    | •   |
|                      | Multiple anode                     | •    | •   |
| Power unit           | Carburetor                         | •    | •   |
|                      | Recommended Fuel (RON)             | 90   | 90  |
|                      | Recommended Fuel (PON)             | 86   | 86  |
| Convenience          | Carrying handle                    | •    | •   |
|                      | Shallow water drive                | •    | •   |

| Optional Accessory |  | 9.9F | 15F |
|--------------------|--|------|-----|
| Lighting coil      |  | •    | •   |
| Portable fuel tank |  | •    | •   |
| Spark plug         |  | •    | •   |

| Rigging Accessory |                      | 9.9F | 15F  |
|-------------------|----------------------|------|------|
| Propeller         | J Series             | J/J1 | J/J1 |
|                   | Dual Thrust J Series | J    | J    |
|                   | N Series             | N    | —    |
|                   | Dual Thrust N Series | N    | —    |

| Consumes          |     | 9.9F | 15F |
|-------------------|-----|------|-----|
| Yamalube gear oil | GL4 | •    | •   |

# Carburetor model



## MODEL CODE (Approved code)

40X 6GK (66TK)

## MODELS AVAILABLE

40X MH, W, WT

## Dimension

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Overall length        | MH: 1073 mm (42.2 in),<br>W, WT: 675 mm (26.6 in) |
| Overall width         | MH: 402 mm (15.8 in),<br>W, WT: 362 mm (14.36 in) |
| Overall height        | S: 1237 mm (48.7 in), L: 1364 mm (53.7 in)        |
| Engine transom height | S: 424 mm (16.7 in), L: 550 mm (21.7 in)          |
| Minimum distance      | —                                                 |
| Steering angle        | 45 deg. each direction                            |
| Dry weight            | 72 – 81 kg                                        |

## Performance

## 40X

|                               |                      |
|-------------------------------|----------------------|
| Max. prop shaft output        | 29.4 kW (40 ps)      |
| Full throttle operating range | 4500 – 5500 r/min    |
| Idling speed                  | 950 – 1050 r/min     |
| Fuel consumption              | 20.0 L/h @5500 r/min |

## Engine

|                         |                                        |
|-------------------------|----------------------------------------|
| Engine type             | In-line 2                              |
| Displacement            | 703 cm <sup>3</sup>                    |
| Bore × stroke           | 80.0 × 70.0 mm                         |
| Compression ratio       | 6.0 :1                                 |
| Scavenging              | Loop charge                            |
| Fuel induction system   | 1 carburetor                           |
| Lubrication system      | Pre-mixed fuel and oil                 |
| Oil - fuel mixing ratio | 50 :1 (EUR, OCE, RUS, ZAF 100 :1)      |
| Engine oil capacity     | —                                      |
| Ignition system         | CDI                                    |
| Ignition timing         | ATDC 2.0 – BTDC 23.0 deg.              |
| Spark plug              | B7HS                                   |
| Alternator              | MH: 80 W (optional) W, WT: 6 A         |
| Cooling system          | Raw-water, thermostatically controlled |
| Exhaust system          | Through propeller boss                 |

## Bracket / Drive

|                     |                                                   |
|---------------------|---------------------------------------------------|
| Trim                | 7 positions                                       |
| Shallow water drive | Manual: 2 positions<br>WT: PTT: variable position |
| Gear shift          | F-N-R                                             |
| Gear ratio          | 2.00 (26/13)                                      |
| Gear oil capacity   | 0.430 L                                           |
| Propeller fitting   | Spline                                            |
| Propeller rotation  | Clockwise                                         |
| Shaft length        | MH, W: S, L / WT: L                               |

| Feature Table        |                                    | 40X       |
|----------------------|------------------------------------|-----------|
| Security             | Start in gear protection           | ● (MH)    |
|                      | Engine stop switch lanyard         | ● (MH)    |
|                      | Over rev. limiter                  | ●         |
|                      | Overheat warning                   | ●         |
| Corrosion prevention | Stainless steel water pump housing | ●         |
|                      | Chrome plated water pump housing   | ● (MH, W) |
|                      | Multiple anode                     | ●         |
| Power unit           | Carburetor                         | ●         |
|                      | Recommended Fuel (RON)             | 90        |
|                      | Recommended Fuel (PON)             | 86        |
| Control              | Gauge                              | ● (W, WT) |
|                      | Remote control                     | ● (W, WT) |
| Convenience          | Shallow water drive                | ●         |

| Optional Accessory        |  | 40X       |
|---------------------------|--|-----------|
| Lighting coil             |  | ● (MH)    |
| Portable fuel tank        |  | ●         |
| Spark plug                |  | ●         |
| Steering guide attachment |  | ● (W, WT) |

| Rigging Accessory |                 | 40X       |
|-------------------|-----------------|-----------|
| Gauge             | 6Y7             | ● (W, WT) |
|                   | 703             | ● (W, WT) |
| Remote control    | 704             | ● (W, WT) |
|                   | Black Series    | G         |
| Propeller         | G Series        | G         |
|                   | G Enduro Series | G         |

| Consumes          |     | 40X |
|-------------------|-----|-----|
| Yamalube gear oil | GL4 | ●   |

# Carburetor model



## MODEL CODE (Approved code)

85A 688 (688K)

## MODELS AVAILABLE

85A EHD, ET, ED

## Dimension

|                       |                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------|
| Overall length        | EHD: 1337 mm (52.6 in), ET, ED: 726 mm (28.6 in)                                  |
| Overall width         | EHD: 398 mm (15.7 in), ET, ED: 374 mm (14.7 in)                                   |
| Overall height        | L: 1422 mm (56.0 in),<br>Y: 1473 mm (58.0 in) (EHD only),<br>X: 1548 mm (60.9 in) |
| Engine transom height | L: 521 mm (20.5 in), Y: 572 mm (22.5 in),<br>X: 647 mm (25.5 in)                  |
| Minimum distance      | 600 mm (23.6 in) (ED / ET only)                                                   |
| Steering angle        | 30 deg. each direction                                                            |
| Dry weight            | 111 – 124 kg                                                                      |

| Performance                   | 85A                  |
|-------------------------------|----------------------|
| Max. prop shaft output        | 62.5 kW (85 ps)      |
| Full throttle operating range | 4500 – 5500 r/min    |
| Idling speed                  | 750 – 850 r/min      |
| Fuel consumption              | 35.0 L/h @5500 r/min |

| Engine                  |                                        |
|-------------------------|----------------------------------------|
| Engine type             | In-line 3                              |
| Displacement            | 1140 cm <sup>3</sup>                   |
| Bore × stroke           | 82.0 × 72.0 mm                         |
| Compression ratio       | 5.1 :1                                 |
| Scavenging              | Loop charge                            |
| Fuel induction system   | 3 carburetors                          |
| Lubrication system      | Pre-mixed fuel and oil                 |
| Oil - fuel mixing ratio | 50 :1                                  |
| Engine oil capacity     | —                                      |
| Ignition system         | CDI                                    |
| Ignition timing         | BTDC 2.0 – BTDC 24.0 deg.              |
| Spark plug              | B8HS-10                                |
| Alternator              | 10 A                                   |
| Cooling system          | Raw-water, thermostatically controlled |
| Exhaust system          | Through propeller boss                 |

| Bracket / Drive     |                                                        |
|---------------------|--------------------------------------------------------|
| Trim                | Manual: 5 positions,<br>PTT: — (continuously variable) |
| Shallow water drive | ET: PTT: variable position<br>EHD, ED: Hydro: —        |
| Gear shift          | F-N-R                                                  |
| Gear ratio          | 2.00 (26/13)                                           |
| Gear oil capacity   | 0.610 L                                                |
| Propeller fitting   | Spline                                                 |
| Propeller rotation  | Clockwise                                              |
| Shaft length        | ET, ED: L, X / EHD: L, Y                               |

| Feature Table        | 85A                                              |
|----------------------|--------------------------------------------------|
| Security             | Start in gear protection • (EHD)                 |
|                      | Engine stop switch lanyard • (EHD)               |
|                      | Over rev. limiter •                              |
|                      | Overheat warning •                               |
| Corrosion prevention | Stainless steel water pump housing •             |
|                      | Multiple anode •                                 |
|                      | Carburetor •                                     |
| Power unit           | Recommended Fuel (RON) 90                        |
|                      | Recommended Fuel (PON) 86                        |
|                      |                                                  |
| Control              | Instruments (electric start model) • (ET, ED)    |
|                      | Remote control (electric start model) • (ET, ED) |
| Convenience          | Shallow water drive • (ET)                       |

| Optional Accessory        | 85A        |
|---------------------------|------------|
| Portable fuel tank        | •          |
| Spark plug                | •          |
| Steering guide attachment | • (ET, ED) |

| Rigging Accessory | 85A                    |
|-------------------|------------------------|
| Gauge             | 6Y7 • (ET, ED)         |
|                   | 703 • (ET, ED)         |
| Remote control    | 704 • (ET, ED)         |
|                   | 6X3 • (ET, ED)         |
| Propeller         | Black Series K         |
|                   | K Series K             |
|                   | TALON Series K         |
|                   | TALON GP Series K      |
|                   | TALON SS Series K      |
|                   | TALON PONTOON Series K |
|                   | TALON SS4 Series K     |

| Consumes              | 85A |
|-----------------------|-----|
| Yamalube gear oil GL4 | •   |

# Comparison Specifications

## Carburetor model

| YAMAHA 2D                     |                           | SUZUKI | TOHATSU | MERCURY | EVINRUDE |
|-------------------------------|---------------------------|--------|---------|---------|----------|
| Engine type                   | 1-cylinder                | —      | —       | —       | —        |
| Displacement                  | 50 cm³                    | —      | —       | —       | —        |
| Bore × Stroke                 | 42.0 × 36.0 mm            | —      | —       | —       | —        |
| Max. prop shaft output        | 1.5 kW (2 ps) @4500 r/min | —      | —       | —       | —        |
| Full throttle operating range | 4000-5000 r/min           | —      | —       | —       | —        |
| Fuel induction system         | 1 carburetor              | —      | —       | —       | —        |
| Ignition system               | CDI                       | —      | —       | —       | —        |
| Gear ratio                    | 2.08 (27/13)              | —      | —       | —       | —        |
| Dry weight with prop.         | 10 kg                     | —      | —       | —       | —        |
| Engine transom height         | S: 417 mm                 | —      | —       | —       | —        |
| Alternator                    | —                         | —      | —       | —       | —        |
| Scavenging                    | Loop charge               | —      | —       | —       | —        |
| Lubrication system            | Pre-mixed fuel and oil    | —      | —       | —       | —        |

| YAMAHA 3B                     |                           | SUZUKI | TOHATSU M2.5/M3.5                                       | MERCURY 3.3     | EVINRUDE |
|-------------------------------|---------------------------|--------|---------------------------------------------------------|-----------------|----------|
| Engine type                   | 1-cylinder                | —      | Two Stroke, 1 cylinder                                  | 1 cylinder      | —        |
| Displacement                  | 70 cm³                    | —      | 74.6 cc                                                 | 74.6 cc         | —        |
| Bore × Stroke                 | 46.0 × 42.0 mm            | —      | 55 × 43 mm                                              | 47 × 43 mm      | —        |
| Max. prop shaft output        | 2.2 kW (3 ps) @5000 r/min | —      | M2.5: 2.5 Hp (1.8 kw)<br>M3.5: 3.5 Hp (2.6 kw)          | 3.3 hp (2.5 kw) | —        |
| Full throttle operating range | 4500-5500 r/min           | —      | M2.5: 3800-5200 rpm<br>M3.5: 4200-5300 rpm              | 4500-5500 rpm   | —        |
| Fuel induction system         | 1 carburetor              | —      | —                                                       | 1 carb          | —        |
| Ignition system               | CDI                       | —      | CD ignition                                             | —               | —        |
| Gear ratio                    | 2.08 (27/13)              | —      | M2.5: 1.85 (13:24)<br>M3.5: 2.15 (13:28) / 1.85 (13:24) | 2.15:1          | —        |
| Dry weight with prop.         | 17 kg                     | —      | 12.5-13 kg                                              | 13 kg           | —        |
| Engine transom height         | S: 441 mm                 | —      | S: 381 mm<br>L: 508 mm                                  | 15"/381 mm      | —        |
| Alternator                    | 60 W (optional)           | —      | —                                                       | —               | —        |
| Scavenging                    | Loop charge               | —      | Loop charge                                             | Loop charged    | —        |
| Lubrication system            | Pre-mixed fuel and oil    | —      | Premixed Fuel                                           | Pre-mix         | —        |

2-stroke  
Comparison

**Carburetor model**

| YAMAHA<br>4C/4D               |                              | SUZUKI<br>— | TOHATSU<br>M4             | MERCURY<br>4       | EVINRUDE<br>— |
|-------------------------------|------------------------------|-------------|---------------------------|--------------------|---------------|
| Engine type                   | 1-cylinder                   | —           | Two Stroke,<br>1 cylinder | 1 cylinder         | —             |
| Displacement                  | 103 cm³                      | —           | 102 cc                    | 102 cc             | —             |
| Bore × Stroke                 | 54.0 × 45.0 mm               | —           | 55 × 43 mm                | 55 × 43 mm         | —             |
| Max. prop shaft output        | 2.9 kW (4 ps)<br>@5000 r/min | —           | 4 HP<br>(2.9 kw)          | 4 hp<br>(3 kw)     | —             |
| Full throttle operating range | 4500-5500 r/min              | —           | 4500-5500 rpm             | 4500-5500 rpm      | —             |
| Fuel induction system         | 1 carburetor                 | —           | —                         | 1 carb             | —             |
| Ignition system               | CDI                          | —           | CD ignition               | —                  | —             |
| Gear ratio                    | 2.08<br>(27/13)              | —           | 2.15<br>(13:28)           | 2.15:1             | —             |
| Dry weight with prop.         | 4C: 21-22 kg<br>4D: 21 kg    | —           | 20-20.5 kg                | 20 kg              | —             |
| Engine transom height         | S: 444 mm<br>L: 571 mm       | —           | S: 381 mm<br>L: 508 mm    | 15"/381 mm         | —             |
| Alternator                    | 60 W<br>(optional)           | —           | (Optional:<br>12V 60W 5A) | 5 amp<br>(60 watt) | —             |
| Scavenging                    | Cross flow                   | —           | Loop Charge               | Loop charged       | —             |
| Lubrication system            | Pre-mixed fuel and oil       | —           | Premixed Fuel             | Pre-mix            | —             |

| YAMAHA<br>9.9F                |                                | SUZUKI<br>DT9.9A         | TOHATSU<br>M9.9            | MERCURY<br>9.9 Super     | EVINRUDE<br>— |
|-------------------------------|--------------------------------|--------------------------|----------------------------|--------------------------|---------------|
| Engine type                   | In-line 2                      | 2-Stroke,<br>2 cylinders | Two Stroke,<br>2 cylinders | I-2                      | —             |
| Displacement                  | 246 cm³                        | 284 cm³                  | 247 cc                     | 247 cc                   | —             |
| Bore × Stroke                 | 56.0 × 50.0 mm                 | 59 × 52 mm               | 55 × 52 mm                 | 55 × 52 mm               | —             |
| Max. prop shaft output        | 7.3 kW (9.9 ps)<br>@5000 r/min | 7.3 kW<br>(9.9 PS)       | 9.9 HP<br>(7.3 kw)         | 9.9 hp<br>(7.4 kw)       | —             |
| Full throttle operating range | 4500-5500 r/min                | 4500-5500 rpm            | 4500-5300 rpm              | 4500-5300 rpm            | —             |
| Fuel induction system         | 1 carburetor                   | Carburetor               | —                          | Carbureted               | —             |
| Ignition system               | CDI                            | Suzuki P.E.I.            | CD ignition                | —                        | —             |
| Gear ratio                    | 2.08<br>(27/13)                | 1.92:1                   | 1.85<br>(13:24)            | 1.84:1                   | —             |
| Dry weight with prop.         | 36-38 kg                       | 33 kg                    | 41-45 kg                   | 41 kg                    | —             |
| Engine transom height         | S: 440 mm<br>L: 567 mm         | S: 381 mm                | S: 381 mm<br>L: 508 mm     | 15"/381 mm<br>20"/508 mm | —             |
| Alternator                    | 80 W<br>(optional)             | 12V 80W<br>(optional)    | 12V 80W 7A                 | 7 amp<br>(80 watt)       | —             |
| Scavenging                    | Loop charge                    | —                        | Loop Charge                | Loop charged             | —             |
| Lubrication system            | Pre-mixed fuel and oil         | —                        | Premixed Fuel              | Pre-mix                  | —             |

**Carburetor model**

| YAMAHA<br>15F                 |                                | SUZUKI<br>DT15A        | TOHATSU<br>M15          | MERCURY<br>15 Super      | EVINRUDE<br>15 H.O.                           |
|-------------------------------|--------------------------------|------------------------|-------------------------|--------------------------|-----------------------------------------------|
| Engine type                   | In-line 2                      | 2-Stroke, 2 cylinders  | Two Stroke, 2 cylinders | I-2                      | Inline 2-Cylinder E-TEC DI                    |
| Displacement                  | 246 cm <sup>3</sup>            | 284 cm <sup>3</sup>    | 247 cc                  | 294 cc                   | 575 cc                                        |
| Bore × Stroke                 | 56.0 × 50.0 mm                 | 59 × 52 mm             | 55 × 52 mm              | 60 × 52 mm               | 76 × 64 mm                                    |
| Max. prop shaft output        | 11.0 kW (15 ps)<br>@5000 r/min | 11.0 kW (15 PS)        | 15 HP (11.0 kw)         | 15 hp (11.4 kw)          | —                                             |
| Full throttle operating range | 4500-5500 r/min                | 4800-5600 rpm          | 5200-5800 rpm           | 5200-5800 rpm            | 5000-5500 rpm                                 |
| Fuel induction system         | 1 carburetor                   | Carburetor             | —                       | 1 carb                   | E-TEC DI w/Stratified low RPM combustion mode |
| Ignition system               | CDI                            | Suzuki P.E.I.          | CD ignition             | —                        | —                                             |
| Gear ratio                    | 2.08 (27/13)                   | 1.92:1                 | 1.85 (13:24)            | 1.85:1                   | 2.15:1                                        |
| Dry weight with prop.         | 36-38 kg                       | 33-35 kg               | 41-42 kg                | 41 kg                    | 82-85 kg                                      |
| Engine transom height         | S: 440 mm<br>L: 567 mm         | S: 381 mm<br>L: 508 mm | S: 381 mm<br>L: 508 mm  | 15"/381 mm<br>20"/508 mm | 20"/508 mm<br>25"/635 mm                      |
| Alternator                    | 80 W (optional)                | 12V 80W (optional)     | 12V 80W 7A              | 7 amp (80 watt)          | 56 Amps Total/<br>15 Amps Net Dedicated       |
| Scavenging                    | Loop charge                    | —                      | Loop Charge             | Loop charged             | —                                             |
| Lubrication system            | Pre-mixed fuel and oil         | —                      | Premixed Fuel           | Pre-mix                  | —                                             |

| YAMAHA<br>25B                 |                                     | SUZUKI<br>— | TOHATSU<br>M25/M25Jet                                                                    | MERCURY<br>25            | EVINRUDE<br>25                                |
|-------------------------------|-------------------------------------|-------------|------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------|
| Engine type                   | In-line 2                           | —           | Two Stroke, 2 cylinders                                                                  | I-2                      | Inline 2-Cylinder E-TEC DI                    |
| Displacement                  | 496 cm <sup>3</sup>                 | —           | 429 cc                                                                                   | 430 cc                   | 575 cc                                        |
| Bore × Stroke                 | 72.0 × 61.0 mm                      | —           | 68 × 59 mm                                                                               | 68 × 59 mm               | 76 × 64 mm                                    |
| Max. prop shaft output        | 18.4 kW (25 ps)<br>@5000 r/min      | —           | M25: 25 HP (18.4 kw)<br>M25Jet: Jet Power L:<br>25 HP (18.4 kw)<br>HP L: 30 HP (22.1 kw) | 25 hp (18.4 kw)          | —                                             |
| Full throttle operating range | 4500-5500 r/min                     | —           | M25:<br>5000-6000 rpm<br>M25Jet:<br>5200-5600 rpm                                        | 5000-6000 rpm            | 5500-6000 rpm                                 |
| Fuel induction system         | 1 carburetor                        | —           | —                                                                                        | 1 carb                   | E-TEC DI w/Stratified low RPM combustion mode |
| Ignition system               | CDI                                 | —           | —                                                                                        | —                        | —                                             |
| Gear ratio                    | 2.08 (27/13)                        | —           | M25: 1.92 (12:23)<br>M25Jet: 1                                                           | 1.92:1                   | 2.15:1                                        |
| Dry weight with prop.         | 53-57 kg                            | —           | M25: 51-54 kg<br>M25Jet: 59 kg                                                           | 51 kg                    | 68-85 kg                                      |
| Engine transom height         | S: 423 mm<br>L: 550 mm<br>X: 636 mm | —           | M25:<br>S: 381 mm<br>L: 508 mm<br>UL: 689 mm<br>M25Jet:<br>L: 508 mm                     | 15"/381 mm<br>20"/508 mm | 15"/381 mm<br>20"/508 mm                      |
| Alternator                    | 80 W (optional)                     | —           | 12V 80W 7A                                                                               | 7 amp (80 watt)          | 56 Amps Total/<br>15 Amps Net Dedicated       |
| Scavenging                    | Loop charge                         | —           | Loop Charge                                                                              | Loop charged             | —                                             |
| Lubrication system            | Pre-mixed fuel and oil              | —           | Premixed Fuel                                                                            | Pre-mix                  | —                                             |

**Carburetor model**

| YAMAHA<br>30H                 |                                     | SUZUKI<br>DT30                      | TOHATSU<br>M30                       | MERCURY<br>30            | EVINRUDE<br>30                                |
|-------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------|-----------------------------------------------|
| Engine type                   | In-line 2                           | 2-Stroke, 2 cylinders               | Two Stroke, 2 cylinders              | I-2                      | Inline 2-Cylinder E-TEC DI                    |
| Displacement                  | 496 cm <sup>3</sup>                 | 499 cm <sup>3</sup>                 | 429 cc                               | 430 cc                   | 575 cc                                        |
| Bore x Stroke                 | 72.0 x 61.0 mm                      | 71 x 63 mm                          | 68 x 59 mm                           | 68 x 59 mm               | 76 x 64 mm                                    |
| Max. prop shaft output        | 22.1 kW (30 ps) @5000 r/min         | 22.1 kW (30 PS)                     | 30 HP (22.1 kw)                      | 30 hp (22.5 kw)          | —                                             |
| Full throttle operating range | 4500-5500 r/min                     | 5000-5600 rpm                       | 5150-5850 rpm                        | 4750-5500 rpm            | 5500-6000 rpm                                 |
| Fuel induction system         | 1 carburetor                        | Carburetor                          | —                                    | 1 carb                   | E-TEC DI w/Stratified low RPM combustion mode |
| Ignition system               | CDI                                 | Suzuki P.E.I.                       | CD ignition                          | —                        | —                                             |
| Gear ratio                    | 2.08 (27/13)                        | 2.09:1                              | 1.92 (12:23)                         | 1.92:1                   | 2.15:1                                        |
| Dry weight with prop.         | 53-58 kg                            | 56-61 kg                            | 51-54 kg                             | 51 kg                    | 68-85 kg                                      |
| Engine transom height         | S: 423 mm<br>L: 550 mm<br>X: 636 mm | S: 381 mm<br>L: 508 mm              | S: 381 mm<br>L: 508 mm<br>UL: 689 mm | 15"/381 mm<br>20"/508 mm | 15"/: 381 mm<br>20"/: 508 mm                  |
| Alternator                    | W, WC, WH: 6 Amp                    | E: 12V 80W<br>M: 12V 80W (Optional) | 12V 80W 7A                           | 7 amp (80 watt)          | 56 Amps Total/<br>15 Amps Net Dedicated       |
| Scavenging                    | Loop charge                         | —                                   | Loop Charge                          | Loop charged             | —                                             |
| Lubrication system            | Pre-mixed fuel and oil              | —                                   | Premixed Fuel                        | Pre-mix                  | —                                             |

| YAMAHA<br>40X                 |                                     | SUZUKI<br>DT40W                      | TOHATSU<br>— | MERCURY<br>40 Super      | EVINRUDE<br>40                                |
|-------------------------------|-------------------------------------|--------------------------------------|--------------|--------------------------|-----------------------------------------------|
| Engine type                   | In-line 2                           | 2-Stroke, 2 cylinders                | —            | I-3                      | Inline 2-Cylinder E-TEC DI                    |
| Displacement                  | 703 cm <sup>3</sup>                 | 696 cm <sup>3</sup>                  | —            | 697 cc                   | 863 cc                                        |
| Bore x Stroke                 | 80.0 x 70.0 mm                      | 79 x 71 mm                           | —            | 68 x 64 mm               | 91 x 66 mm                                    |
| Max. prop shaft output        | 29.4 kW (40 ps) @5000 r/min         | 29.4 kW (40 PS)                      | —            | 40 hp (29.8 kw)          | —                                             |
| Full throttle operating range | 4500-5500 r/min                     | 5000-5600 rpm                        | —            | 5000-5700 rpm            | 5500-6000 rpm                                 |
| Fuel induction system         | 1 carburetor                        | Carburetor                           | —            | 3 carb                   | E-TEC DI w/Stratified low RPM combustion mode |
| Ignition system               | CDI                                 | Suzuki P.E.I.                        | —            | —                        | —                                             |
| Gear ratio                    | 2.00 (26/13)                        | 2.09:1                               | —            | 1.85:1                   | 2.9:1                                         |
| Dry weight with prop.         | 72-81 kg                            | 74-80 kg                             | —            | 72 kg                    | 105-113 kg                                    |
| Engine transom height         | S: 424 mm<br>L: 550 mm              | S: 381 mm<br>L: 508 mm<br>L2: 559 mm | —            | 15"/381 mm<br>20"/508 mm | 20"/508 mm                                    |
| Alternator                    | MH: 80 W (optional)<br>W, WT: 6 Amp | E: 12V 80W<br>M: 12V 80W (Optional)  | —            | —                        | 81 Amps Total/<br>25 Amps Net Dedicated       |
| Scavenging                    | Loop charge                         | —                                    | —            | Loop charged             | —                                             |
| Lubrication system            | Pre-mixed fuel and oil              | —                                    | —            | Pre-mix                  | —                                             |

Carburetor model

| YAMAHA<br>60F                 |                                                | SUZUKI<br>— | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>60                                 |
|-------------------------------|------------------------------------------------|-------------|--------------|--------------|------------------------------------------------|
| Engine type                   | In-line 3                                      | —           | —            | —            | Inline 2-Cylinder E-TEC DI                     |
| Displacement                  | 849 cm³                                        | —           | —            | —            | 863 cc                                         |
| Bore × Stroke                 | 72.0 × 69.5 mm                                 | —           | —            | —            | 91 × 66 mm                                     |
| Max. prop shaft output        | 44.1 kW (60 ps) @5000 r/min                    | —           | —            | —            | —                                              |
| Full throttle operating range | 4500-5500 r/min                                | —           | —            | —            | 5500-6000 rpm                                  |
| Fuel induction system         | 3 carburetors                                  | —           | —            | —            | E-TEC DI w/ Stratified low RPM combustion mode |
| Ignition system               | CDI                                            | —           | —            | —            | —                                              |
| Gear ratio                    | 2.33 (28/12)                                   | —           | —            | —            | 2.9:1                                          |
| Dry weight with prop.         | 106-108 kg                                     | —           | —            | —            | 109-113 kg                                     |
| Engine transom height         | L: 521 mm                                      | —           | —            | —            | 20"/508 mm                                     |
| Alternator                    | 6 Amp                                          | —           | —            | —            | 81 Amps Total/ 25 Amps Net Dedicated           |
| Scavenging                    | Loop charge                                    | —           | —            | —            | —                                              |
| Lubrication system            | ED, ET: Premixed fuel and oil or Oil injection | —           | —            | —            | —                                              |

| YAMAHA<br>70B                 |                             | SUZUKI<br>— | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-----------------------------|-------------|--------------|--------------|---------------|
| Engine type                   | In-line 3                   | —           | —            | —            | —             |
| Displacement                  | 849 cm³                     | —           | —            | —            | —             |
| Bore × Stroke                 | 72.0 × 69.5 mm              | —           | —            | —            | —             |
| Max. prop shaft output        | 51.5 kW (70 ps) @5500 r/min | —           | —            | —            | —             |
| Full throttle operating range | 5000-6000 r/min             | —           | —            | —            | —             |
| Fuel induction system         | 3 carburetors               | —           | —            | —            | —             |
| Ignition system               | CDI                         | —           | —            | —            | —             |
| Gear ratio                    | 2.33 (28/12)                | —           | —            | —            | —             |
| Dry weight with prop.         | 106-108 kg                  | —           | —            | —            | —             |
| Engine transom height         | L: 521 mm                   | —           | —            | —            | —             |
| Alternator                    | 6 Amp                       | —           | —            | —            | —             |
| Scavenging                    | Loop charge                 | —           | —            | —            | —             |
| Lubrication system            | Oil injection               | —           | —            | —            | —             |

**Carburetor model**

| YAMAHA<br>85A                 |                                     | SUZUKI<br>— | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-------------------------------------|-------------|--------------|--------------|---------------|
| Engine type                   | In-line 3                           | —           | —            | —            | —             |
| Displacement                  | 1140 cm <sup>3</sup>                | —           | —            | —            | —             |
| Bore × Stroke                 | 82.0 × 72.0 mm                      | —           | —            | —            | —             |
| Max. prop shaft output        | 62.5 kW (85 ps)<br>@5000 r/min      | —           | —            | —            | —             |
| Full throttle operating range | 4500-5500 r/min                     | —           | —            | —            | —             |
| Fuel induction system         | 3 carburetors                       | —           | —            | —            | —             |
| Ignition system               | CDI                                 | —           | —            | —            | —             |
| Gear ratio                    | 2.00 (26/13)                        | —           | —            | —            | —             |
| Dry weight with prop.         | 111-124 kg                          | —           | —            | —            | —             |
| Engine transom height         | L: 521 mm<br>Y: 572 mm<br>X: 647 mm | —           | —            | —            | —             |
| Alternator                    | 10 Amp                              | —           | —            | —            | —             |
| Scavenging                    | Loop charge                         | —           | —            | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil              | —           | —            | —            | —             |

| YAMAHA<br>150A/L150A          |                                  | SUZUKI<br>— | TOHATSU<br>— | EVINRUDE<br>150                        | EVINRUDE<br>E-TEC G2<br>150 H.O.                         |
|-------------------------------|----------------------------------|-------------|--------------|----------------------------------------|----------------------------------------------------------|
| Engine type                   | 90 deg. V6                       | —           | —            | V6 60°<br>E-TEC D.I.                   | V6 66°<br>E-TEC G2 DI                                    |
| Displacement                  | 2596 cm <sup>3</sup>             | —           | —            | 2592 cc                                | 2.7 L                                                    |
| Bore × Stroke                 | 90.0 × 68.0 mm                   | —           | —            | 91 × 66 mm                             | 86 × 78.7 mm                                             |
| Max. prop shaft output        | 110.3 kW (150 ps)<br>@5000 r/min | —           | —            | —                                      | —                                                        |
| Full throttle operating range | 4500-5500 r/min                  | —           | —            | 5300-6000 rpm                          | 5000-6000 rpm                                            |
| Fuel induction system         | 3 dual throat carburetors        | —           | —            | —                                      | E-TEC DI w/ Stratified low RPM combustion mode           |
| Ignition system               | CDI                              | —           | —            | —                                      | —                                                        |
| Gear ratio                    | 1.86 (26/14)                     | —           | —            | —                                      | 2.17:1                                                   |
| Dry weight with prop.         | 178-186 kg                       | —           | —            | 190-196 kg                             | 225-245 kg                                               |
| Engine transom height         | L: 516 mm<br>X: 642 mm           | —           | —            | 20"/508 mm<br>25"/635 mm               | 20"/508 mm<br>25"/635 mm                                 |
| Alternator                    | 14 Amp                           | —           | —            | 133 Amps<br>Total/ 50 Net<br>Dedicated | 133 Amps<br>Total/50 net<br>Dedicated/<br>14 amps @ idle |
| Scavenging                    | Loop charge                      | —           | —            | —                                      | —                                                        |
| Lubrication system            | Pre-mixed fuel and oil           | —           | —            | Multi-Point Targeted Oiling            | —                                                        |

**Carburetor model**

| YAMAHA<br>200A/L200A          |                                     | SUZUKI<br>— | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>E-TEC G2<br>200 HP                             |
|-------------------------------|-------------------------------------|-------------|--------------|--------------|------------------------------------------------------------|
| Engine type                   | 90 deg. V6                          | —           | —            | —            | V6 66°<br>E-TEC G2 DI                                      |
| Displacement                  | 2596 cm³                            | —           | —            | —            | 2744 cc                                                    |
| Bore × Stroke                 | 90.0 × 68.0 mm                      | —           | —            | —            | 86 × 78.7 mm                                               |
| Max. prop shaft output        | 147.1 kW<br>(200 ps)<br>@5000 r/min | —           | —            | —            | —                                                          |
| Full throttle operating range | 4500-5500 r/min                     | —           | —            | —            | 5000-6000 rpm                                              |
| Fuel induction system         | 3 dual throat carburetors           | —           | —            | —            | E-TEC DI<br>w/ Stratified<br>low RPM<br>combustion<br>mode |
| Ignition system               | CDI                                 | —           | —            | —            | —                                                          |
| Gear ratio                    | 1.86<br>(26/14)                     | —           | —            | —            | 2.17:1                                                     |
| Dry weight with prop.         | 178-186 kg                          | —           | —            | —            | 239-245 kg                                                 |
| Engine transom height         | L: 516 mm<br>X: 642 mm              | —           | —            | —            | 20"/508 mm<br>25"/635 mm                                   |
| Alternator                    | 14 Amp                              | —           | —            | —            | 133 Amps<br>Total/50 net<br>Dedicated/<br>14 amps @ idle   |
| Scavenging                    | Loop charge                         | —           | —            | —            | —                                                          |
| Lubrication system            | Pre-mixed fuel and oil              | —           | —            | —            | Multi-Point<br>Targeted<br>Oiling                          |

**Enduro model**

| YAMAHA<br>E8D                 |                                 | SUZUKI<br>— | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|---------------------------------|-------------|--------------|--------------|---------------|
| Engine type                   | In-line 2                       | —           | —            | —            | —             |
| Displacement                  | 165 cm³                         | —           | —            | —            | —             |
| Bore × Stroke                 | 50.0 × 42.0 mm                  | —           | —            | —            | —             |
| Max. prop shaft output        | 5.9 kW<br>(8 ps)<br>@5000 r/min | —           | —            | —            | —             |
| Full throttle operating range | 4500-5500 r/min                 | —           | —            | —            | —             |
| Fuel induction system         | 1 carburetor                    | —           | —            | —            | —             |
| Ignition system               | CDI                             | —           | —            | —            | —             |
| Gear ratio                    | 2.08<br>(27/13)                 | —           | —            | —            | —             |
| Dry weight with prop.         | 28-29 kg                        | —           | —            | —            | —             |
| Engine transom height         | S: 442 mm<br>L: 582 mm          | —           | —            | —            | —             |
| Alternator                    | 40 W<br>(optional)              | —           | —            | —            | —             |
| Scavenging                    | Loop charge                     | —           | —            | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil          | —           | —            | —            | —             |

### Enduro model

| YAMAHA<br>E9.9D               |                             | SUZUKI<br>— | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-----------------------------|-------------|--------------|--------------|---------------|
| Engine type                   | In-line 2                   | —           | —            | —            | —             |
| Displacement                  | 246 cm³                     | —           | —            | —            | —             |
| Bore × Stroke                 | 56.0 × 50.0 mm              | —           | —            | —            | —             |
| Max. prop shaft output        | 7.3 kW (9.9 ps) @5000 r/min | —           | —            | —            | —             |
| Full throttle operating range | 4500-5500 r/min             | —           | —            | —            | —             |
| Fuel induction system         | 1 carburetor                | —           | —            | —            | —             |
| Ignition system               | CDI                         | —           | —            | —            | —             |
| Gear ratio                    | 2.08 (27/13)                | —           | —            | —            | —             |
| Dry weight with prop.         | 38-40 kg                    | —           | —            | —            | —             |
| Engine transom height         | S: 441 mm<br>L: 568 mm      | —           | —            | —            | —             |
| Alternator                    | 80 W (optional)             | —           | —            | —            | —             |
| Scavenging                    | Loop charge                 | —           | —            | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil      | —           | —            | —            | —             |

| YAMAHA<br>E15D                |                                     | SUZUKI<br>— | TOHATSU<br>EverRun<br>MX15           | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-------------------------------------|-------------|--------------------------------------|--------------|---------------|
| Engine type                   | In-line 2                           | —           | Two Stroke, 2 cylinders              | —            | —             |
| Displacement                  | 246 cm³                             | —           | 294 cc                               | —            | —             |
| Bore × Stroke                 | 56.0 × 50.0 mm                      | —           | 60 × 52 mm                           | —            | —             |
| Max. prop shaft output        | 11.0 kW (15 ps) @5000 r/min         | —           | 15 HP (11.0 kw)                      | —            | —             |
| Full throttle operating range | 4500-5500 r/min                     | —           | 4500-5500 rpm                        | —            | —             |
| Fuel induction system         | 1 carburetor                        | —           | —                                    | —            | —             |
| Ignition system               | CDI                                 | —           | CD ignition                          | —            | —             |
| Gear ratio                    | 2.08 (27/13)                        | —           | 1.85 (13:24)                         | —            | —             |
| Dry weight with prop.         | 38-41 kg                            | —           | 41-43 kg                             | —            | —             |
| Engine transom height         | S: 441 mm<br>L: 568 mm<br>X: 710 mm | —           | S: 381 mm<br>L: 508 mm<br>UL: 689 mm | —            | —             |
| Alternator                    | 80 W (optional)                     | —           | (Optional: 12V 80W 7A)               | —            | —             |
| Scavenging                    | Loop charge                         | —           | Loop Charge                          | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil              | —           | Premixed Fuel                        | —            | —             |

**Enduro model**

| <b>YAMAHA<br/>E25B</b>        |                                   | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>EverRun<br/>MX25</b>  | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|-------------------------------|-----------------------------------|---------------------|--------------------------------------|----------------------|-----------------------|
| Engine type                   | In-line 2                         | —                   | Two Stroke,<br>2 cylinders           | —                    | —                     |
| Displacement                  | 496 cm³                           | —                   | 429 cc                               | —                    | —                     |
| Bore × Stroke                 | 72.0 × 61.0 mm                    | —                   | 68 × 59 mm                           | —                    | —                     |
| Max. prop shaft output        | 18.4 kW<br>(25 ps)<br>@5000 r/min | —                   | 25 HP<br>(18.4 kw)                   | —                    | —                     |
| Full throttle operating range | 4500-5500 r/min                   | —                   | 5000-6000 rpm                        | —                    | —                     |
| Fuel induction system         | 1 carburetor                      | —                   | —                                    | —                    | —                     |
| Ignition system               | CDI                               | —                   | CD ignition                          | —                    | —                     |
| Gear ratio                    | 2.08<br>(27/13)                   | —                   | 1.92<br>(12:23)                      | —                    | —                     |
| Dry weight with prop.         | 53-55 kg                          | —                   | 51-54 kg                             | —                    | —                     |
| Engine transom height         | S: 423 mm<br>L: 550 mm            | —                   | S: 381 mm<br>L: 508 mm<br>UL: 689 mm | —                    | —                     |
| Alternator                    | 80 W                              | —                   | (Optional:<br>12V 80W 7A)            | —                    | —                     |
| Scavenging                    | Loop charge                       | —                   | Loop Charge                          | —                    | —                     |
| Lubrication system            | Pre-mixed fuel and oil            | —                   | Premixed Fuel                        | —                    | —                     |

| <b>YAMAHA<br/>E30H</b>        |                                   | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>EverRun<br/>MX30</b>  | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|-------------------------------|-----------------------------------|---------------------|--------------------------------------|----------------------|-----------------------|
| Engine type                   | In-line 2                         | —                   | Two Stroke,<br>2 cylinders           | —                    | —                     |
| Displacement                  | 496 cm³                           | —                   | 429 cc                               | —                    | —                     |
| Bore × Stroke                 | 72.0 × 61.0 mm                    | —                   | 68 × 59 mm                           | —                    | —                     |
| Max. prop shaft output        | 22.1 kW<br>(30 ps)<br>@5000 r/min | —                   | 30 HP<br>(22.1 kw)                   | —                    | —                     |
| Full throttle operating range | 4500-5500 r/min                   | —                   | 5150-5850 rpm                        | —                    | —                     |
| Fuel induction system         | 1 carburetor                      | —                   | —                                    | —                    | —                     |
| Ignition system               | CDI                               | —                   | CD ignition                          | —                    | —                     |
| Gear ratio                    | 2.08<br>(27/13)                   | —                   | 1.92<br>(12:23)                      | —                    | —                     |
| Dry weight with prop.         | 53-55 kg                          | —                   | 51-54 kg                             | —                    | —                     |
| Engine transom height         | S: 423 mm<br>L: 550 mm            | —                   | S: 381 mm<br>L: 508 mm<br>UL: 689 mm | —                    | —                     |
| Alternator                    | 80 Amp                            | —                   | (Optional:<br>12V 80W 7A)            | —                    | —                     |
| Scavenging                    | Loop charge                       | —                   | Loop Charge                          | —                    | —                     |
| Lubrication system            | Pre-mixed fuel and oil            | —                   | Premixed Fuel                        | —                    | —                     |

**Enduro model**

| YAMAHA<br>E40G                |                                   | SUZUKI<br>— | TOHATSU<br>EverRun<br>MX40                         | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-----------------------------------|-------------|----------------------------------------------------|--------------|---------------|
| Engine type                   | In-line 2                         | —           | Two Stroke,<br>3 cylinders                         | —            | —             |
| Displacement                  | 669 cm³                           | —           | 697cc                                              | —            | —             |
| Bore × Stroke                 | 78.0 × 70.0 mm                    | —           | 68 × 64 mm                                         | —            | —             |
| Max. prop shaft output        | 29.4 kW<br>(40 ps)<br>@5000 r/min | —           | 40 HP<br>(29.4 kw)                                 | —            | —             |
| Full throttle operating range | 4500-5500 r/min                   | —           | 5000-5800 rpm                                      | —            | —             |
| Fuel induction system         | 1 dual throat carburetor          | —           | —                                                  | —            | —             |
| Ignition system               | CDI                               | —           | CD ignition                                        | —            | —             |
| Gear ratio                    | 1.85<br>(24/13)                   | —           | 2.08<br>(13:27)                                    | —            | —             |
| Dry weight with prop.         | 65-71 kg                          | —           | 72-78.5 kg                                         | —            | —             |
| Engine transom height         | S: 444 mm<br>L: 571 mm            | —           | S: 381 mm<br>L: 508 mm<br>LL: 605 mm<br>UL: 657 mm | —            | —             |
| Alternator                    | 80 W<br>(optional)                | —           | 12V 130W 11A                                       | —            | —             |
| Scavenging                    | Loop charge                       | —           | Loop Charge                                        | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil            | —           | Premixed Fuel                                      | —            | —             |

| YAMAHA<br>E40J                |                                     | SUZUKI<br>— | TOHATSU<br>EverRun<br>MX40                         | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-------------------------------------|-------------|----------------------------------------------------|--------------|---------------|
| Engine type                   | In-line 2                           | —           | Two stroke,<br>3 cylinder                          | —            | —             |
| Displacement                  | 669 cm³                             | —           | 697cc                                              | —            | —             |
| Bore × Stroke                 | 78.0 × 70.0 mm                      | —           | 68 × 64 mm                                         | —            | —             |
| Max. prop shaft output        | 29.4 kW<br>(40 ps)<br>@5000 r/min   | —           | 40 HP<br>(29.4 kw)                                 | —            | —             |
| Full throttle operating range | 4500-5500 r/min                     | —           | 5000-5800 rpm                                      | —            | —             |
| Fuel induction system         | 1 dual throat carburetor            | —           | —                                                  | —            | —             |
| Ignition system               | CDI                                 | —           | CD ignition                                        | —            | —             |
| Gear ratio                    | 2.00<br>(26/13)                     | —           | 2.08<br>(13:27)                                    | —            | —             |
| Dry weight with prop.         | 65-71 kg                            | —           | 72-78.5 kg                                         | —            | —             |
| Engine transom height         | S: 421 mm<br>L: 548 mm<br>Y: 598 mm | —           | S: 381 mm<br>L: 508 mm<br>LL: 605 mm<br>UL: 657 mm | —            | —             |
| Alternator                    | W, WH: 6 Amp                        | —           | 12V 130W 11A                                       | —            | —             |
| Scavenging                    | Loop charge                         | —           | Loop Charge                                        | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil              | —           | Premixed Fuel                                      | —            | —             |

**Enduro model**

| <b>YAMAHA<br/>E40X</b>        |                                               | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>EverRun<br/>MX40</b>                | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|-------------------------------|-----------------------------------------------|---------------------|----------------------------------------------------|----------------------|-----------------------|
| Engine type                   | In-line 2                                     | —                   | Two stroke,<br>3 cylinder                          | —                    | —                     |
| Displacement                  | 703 cm³                                       | —                   | 697cc                                              | —                    | —                     |
| Bore × Stroke                 | 80.0 × 70.0 mm                                | —                   | 68 × 64 mm                                         | —                    | —                     |
| Max. prop shaft output        | 29.4 kW<br>(40 ps)<br>@5000 r/min             | —                   | 40 HP<br>(29.4 kW)                                 | —                    | —                     |
| Full throttle operating range | 4500-5500 r/min                               | —                   | 5000-5800 rpm                                      | —                    | —                     |
| Fuel induction system         | 1 carburetor                                  | —                   | —                                                  | —                    | —                     |
| Ignition system               | CDI                                           | —                   | CD ignition                                        | —                    | —                     |
| Gear ratio                    | 2.00<br>(26/13)                               | —                   | 2.08<br>(13:27)                                    | —                    | —                     |
| Dry weight with prop.         | 72-81 kg                                      | —                   | 72-78.5 kg                                         | —                    | —                     |
| Engine transom height         | S: 424 mm<br>L: 550 mm<br>X: 649 mm           | —                   | S: 381 mm<br>L: 508 mm<br>LL: 605 mm<br>UL: 657 mm | —                    | —                     |
| Alternator                    | MH:<br>80 W (optional)<br>W, WH, WT:<br>6 Amp | —                   | 12V 130W 11A                                       | —                    | —                     |
| Scavenging                    | Loop charge                                   | —                   | Loop Charge                                        | —                    | —                     |
| Lubrication system            | Pre-mixed fuel and oil                        | —                   | Premixed Fuel                                      | —                    | —                     |

| <b>YAMAHA<br/>E60H</b>        |                                     | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|-------------------------------|-------------------------------------|---------------------|----------------------|----------------------|-----------------------|
| Engine type                   | In-line 3                           | —                   | —                    | —                    | —                     |
| Displacement                  | 849 cm³                             | —                   | —                    | —                    | —                     |
| Bore × Stroke                 | 72.0 × 69.5 mm                      | —                   | —                    | —                    | —                     |
| Max. prop shaft output        | 44.1 kW<br>(60 ps)<br>@5000 r/min   | —                   | —                    | —                    | —                     |
| Full throttle operating range | 4500-5500 r/min                     | —                   | —                    | —                    | —                     |
| Fuel induction system         | 3 carburetors                       | —                   | —                    | —                    | —                     |
| Ignition system               | CDI                                 | —                   | —                    | —                    | —                     |
| Gear ratio                    | 2.33<br>(28/12)                     | —                   | —                    | —                    | —                     |
| Dry weight with prop.         | 96-105 kg                           | —                   | —                    | —                    | —                     |
| Engine transom height         | S: 450 mm<br>L: 571 mm<br>X: 648 mm | —                   | —                    | —                    | —                     |
| Alternator                    | MHD: 80 W<br>WD, WHD:<br>6 Amp      | —                   | —                    | —                    | —                     |
| Scavenging                    | Loop charge                         | —                   | —                    | —                    | —                     |
| Lubrication system            | Pre-mixed fuel and oil              | —                   | —                    | —                    | —                     |

**Enduro model**

| <b>YAMAHA<br/>E75B</b>        |                                     | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|-------------------------------|-------------------------------------|---------------------|----------------------|----------------------|-----------------------|
| Engine type                   | In-line 3                           | —                   | —                    | —                    | —                     |
| Displacement                  | 1140 cm <sup>3</sup>                | —                   | —                    | —                    | —                     |
| Bore × Stroke                 | 82.0 × 72.0 mm                      | —                   | —                    | —                    | —                     |
| Max. prop shaft output        | 55.2 kW (75 ps)<br>@5000 r/min      | —                   | —                    | —                    | —                     |
| Full throttle operating range | 4500-5500 r/min                     | —                   | —                    | —                    | —                     |
| Fuel induction system         | 3 carburetors                       | —                   | —                    | —                    | —                     |
| Ignition system               | CDI                                 | —                   | —                    | —                    | —                     |
| Gear ratio                    | 2.00 (26/13)                        | —                   | —                    | —                    | —                     |
| Dry weight with prop.         | 112-121 kg                          | —                   | —                    | —                    | —                     |
| Engine transom height         | L: 521 mm<br>Y: 572 mm<br>X: 648 mm | —                   | —                    | —                    | —                     |
| Alternator                    | 10 Amp                              | —                   | —                    | —                    | —                     |
| Scavenging                    | Loop charge                         | —                   | —                    | —                    | —                     |
| Lubrication system            | Pre-mixed fuel and oil              | —                   | —                    | —                    | —                     |

**Enduro model (Kerosene)**

| <b>YAMAHA<br/>EK8D</b>        |                              | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|-------------------------------|------------------------------|---------------------|----------------------|----------------------|-----------------------|
| Engine type                   | In-line 2                    | —                   | —                    | —                    | —                     |
| Displacement                  | 165 cm <sup>3</sup>          | —                   | —                    | —                    | —                     |
| Bore × Stroke                 | 50.0 × 42.0 mm               | —                   | —                    | —                    | —                     |
| Max. prop shaft output        | 5.9 kW (8 ps)<br>@5000 r/min | —                   | —                    | —                    | —                     |
| Full throttle operating range | 4500-5500 r/min              | —                   | —                    | —                    | —                     |
| Fuel induction system         | 1 carburetor                 | —                   | —                    | —                    | —                     |
| Ignition system               | CDI                          | —                   | —                    | —                    | —                     |
| Gear ratio                    | 2.08 (27/13)                 | —                   | —                    | —                    | —                     |
| Dry weight with prop.         | 29 kg                        | —                   | —                    | —                    | —                     |
| Engine transom height         | L: 582 mm                    | —                   | —                    | —                    | —                     |
| Alternator                    | 40 W (optional)              | —                   | —                    | —                    | —                     |
| Scavenging                    | Loop charge                  | —                   | —                    | —                    | —                     |
| Lubrication system            | Pre-mixed fuel and oil       | —                   | —                    | —                    | —                     |

**Enduro model (Kerosene)**

| <b>YAMAHA<br/>EK9.9D/<br/>EK9.9J</b> |                                   | <b>SUZUKI<br/>DT9.9K</b> | <b>TOHATSU<br/>—</b> | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|--------------------------------------|-----------------------------------|--------------------------|----------------------|----------------------|-----------------------|
| Engine type                          | In-line 2                         | 2-stroke,<br>2 cylinders | —                    | —                    | —                     |
| Displacement                         | 246 cm³                           | 284 cm³                  | —                    | —                    | —                     |
| Bore × Stroke                        | 56.0 × 50.0 mm                    | 59 × 52 mm               | —                    | —                    | —                     |
| Max. prop shaft output               | 7.3 kW<br>(9.9 ps)<br>@5000 r/min | 7.3 kW<br>(9.9 PS)       | —                    | —                    | —                     |
| Full throttle operating range        | 4500-5500 r/min                   | 4500-5500 rpm            | —                    | —                    | —                     |
| Fuel induction system                | 1 carburetor                      | —                        | —                    | —                    | —                     |
| Ignition system                      | CDI                               | Suzuki P.E.I.            | —                    | —                    | —                     |
| Gear ratio                           | 2.08<br>(27/13)                   | 1.92:1                   | —                    | —                    | —                     |
| Dry weight with prop.                | 40 kg                             | 41 kg                    | —                    | —                    | —                     |
| Engine transom height                | L: 568 mm                         | L: 508 mm                | —                    | —                    | —                     |
| Alternator                           | 80 W<br>(optional)                | 12V 80W<br>(Optional)    | —                    | —                    | —                     |
| Scavenging                           | Loop charge                       | —                        | —                    | —                    | —                     |
| Lubrication system                   | Pre-mixed fuel and oil            | —                        | —                    | —                    | —                     |

| <b>YAMAHA<br/>EK15D/EK15P</b> |                                   | <b>SUZUKI<br/>—</b> | <b>TOHATSU<br/>—</b> | <b>MERCURY<br/>—</b> | <b>EVINRUDE<br/>—</b> |
|-------------------------------|-----------------------------------|---------------------|----------------------|----------------------|-----------------------|
| Engine type                   | In-line 2                         | —                   | —                    | —                    | —                     |
| Displacement                  | 246 cm³                           | —                   | —                    | —                    | —                     |
| Bore × Stroke                 | 56.0 × 50.0 mm                    | —                   | —                    | —                    | —                     |
| Max. prop shaft output        | 11.0 kW<br>(15 ps)<br>@5000 r/min | —                   | —                    | —                    | —                     |
| Full throttle operating range | 4500-5500 r/min                   | —                   | —                    | —                    | —                     |
| Fuel induction system         | 1 carburetor                      | —                   | —                    | —                    | —                     |
| Ignition system               | CDI                               | —                   | —                    | —                    | —                     |
| Gear ratio                    | 2.08<br>(27/13)                   | —                   | —                    | —                    | —                     |
| Dry weight with prop.         | 40 kg                             | —                   | —                    | —                    | —                     |
| Engine transom height         | L: 568 mm                         | —                   | —                    | —                    | —                     |
| Alternator                    | 80 W<br>(optional)                | —                   | —                    | —                    | —                     |
| Scavenging                    | Loop charge                       | —                   | —                    | —                    | —                     |
| Lubrication system            | Pre-mixed fuel and oil            | —                   | —                    | —                    | —                     |

**Enduro model (Kerosene)**

| YAMAHA<br>EK25B/EK25C         |                                   | SUZUKI<br>DT25K          | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-----------------------------------|--------------------------|--------------|--------------|---------------|
| Engine type                   | In-line 2                         | 2-stroke,<br>2 cylinders | —            | —            | —             |
| Displacement                  | 496 cm³                           | 499 cm³                  | —            | —            | —             |
| Bore × Stroke                 | 72.0 × 61.0 mm                    | 71 × 63 mm               | —            | —            | —             |
| Max. prop shaft output        | 18.4 kW<br>(25 ps)<br>@5000 r/min | 18.4 kW<br>(25 PS)       | —            | —            | —             |
| Full throttle operating range | 4500-5500 r/min                   | 5250-5750 rpm            | —            | —            | —             |
| Fuel induction system         | 1 carburetor                      | —                        | —            | —            | —             |
| Ignition system               | CDI                               | Suzuki P.E.I.            | —            | —            | —             |
| Gear ratio                    | 2.08<br>(27/13)                   | 2.09:1                   | —            | —            | —             |
| Dry weight with prop.         | 55 kg                             | 57 kg                    | —            | —            | —             |
| Engine transom height         | L: 550 mm                         | L: 508 mm                | —            | —            | —             |
| Alternator                    | 80 W<br>(optional)                | 12V 80W<br>(Optional)    | —            | —            | —             |
| Scavenging                    | Loop charge                       | —                        | —            | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil            | —                        | —            | —            | —             |

| YAMAHA<br>EK40G               |                                   | SUZUKI<br>DT40WK         | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-----------------------------------|--------------------------|--------------|--------------|---------------|
| Engine type                   | In-line 2                         | 2-stroke,<br>2 cylinders | —            | —            | —             |
| Displacement                  | 669 cm³                           | 696 cm³                  | —            | —            | —             |
| Bore × Stroke                 | 78.0 × 70.0 mm                    | 79 × 71 mm               | —            | —            | —             |
| Max. prop shaft output        | 29.4 kW<br>(40 ps)<br>@5000 r/min | 40 HP/<br>29.4 kW        | —            | —            | —             |
| Full throttle operating range | 4500-5500 r/min                   | 5000-5600 rpm            | —            | —            | —             |
| Fuel induction system         | 1 dual throat carburetor          | Suzuki P.E.I.            | —            | —            | —             |
| Ignition system               | CDI                               | —                        | —            | —            | —             |
| Gear ratio                    | 1.85<br>(24/13)                   | 2.09:1                   | —            | —            | —             |
| Dry weight with prop.         | 68 kg                             | 76 kg                    | —            | —            | —             |
| Engine transom height         | L: 571 mm                         | L: 508 mm                | —            | —            | —             |
| Alternator                    | 80 W<br>(optional)                | 12V 80W<br>(Optional)    | —            | —            | —             |
| Scavenging                    | Loop charge                       | —                        | —            | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil            | —                        | —            | —            | —             |

## Comparison Specifications

### Enduro model (Kerosene)

| YAMAHA<br>EK40J               |                                   | SUZUKI<br>DT40WK         | TOHATSU<br>— | MERCURY<br>— | EVINRUDE<br>— |
|-------------------------------|-----------------------------------|--------------------------|--------------|--------------|---------------|
| Engine type                   | In-line 2                         | 2-stroke,<br>2 cylinders | —            | —            | —             |
| Displacement                  | 669 cm³                           | 696 cm³                  | —            | —            | —             |
| Bore × Stroke                 | 78.0 × 70.0 mm                    | 79 × 71 mm               | —            | —            | —             |
| Max. prop shaft output        | 29.4 kW<br>(40 ps)<br>@5000 r/min | 29.4 kW<br>(40 PS)       | —            | —            | —             |
| Full throttle operating range | 4500-5500 r/min                   | 5000-5600 rpm            | —            | —            | —             |
| Fuel induction system         | 1 dual throat carburetor          | —                        | —            | —            | —             |
| Ignition system               | CDI                               | Suzuki P.E.I.            | —            | —            | —             |
| Gear ratio                    | 2.00<br>(26/13)                   | 2.09:1                   | —            | —            | —             |
| Dry weight with prop.         | 72 kg                             | 76 kg                    | —            | —            | —             |
| Engine transom height         | L: 548 mm                         | L: 508 mm                | —            | —            | —             |
| Alternator                    | 80 W<br>(optional)                | 12V 80W<br>(Optional)    | —            | —            | —             |
| Scavenging                    | Loop charge                       | —                        | —            | —            | —             |
| Lubrication system            | Pre-mixed fuel and oil            | —                        | —            | —            | —             |

## YAMAHA OUTBOARD MOTORS

# Rigging Accessories

# Remote control boxes

## Mechanical remote control box

### 703 Side mount remote control

All in one control box.

Variations available for choke switch, PTT switch, connector type and throttle cable movement.



### 704 Top mount remote control (Single)

Variation available for the control lever right side or left side.

Control lever with neutral interlock function. (704-48205-T\*)



with neutral interlock

### 704 Top mount remote control (Twin)

Twin tilt control and individual trim control switches provided.



### 6X3 Flush side mount remote control

Mechanism is located behind the wall.

Configured a new exclusive specification that takes into consideration how the center console boat is attached.



## Digital Electronic Control (DEC)

A newly designed remote control for Helm Master EX. The ECM is now separated from the control box, allowing for more flexibility during installation. The 2nd station DEC requires no ECM(s). This provides more space for consoles.

### 6X9 Top mount DEC (Single)



### 6X9 Top mount DEC (Twin and up)



### 6X9 Flush side mount DEC



Remote Control Box Function

NOTE

Refer to “RIGGING GUIDE” to catch up detailed information and find your optimum remote control box with essential accessories.

| Type                       | 703 | 704 | 6X3 |
|----------------------------|-----|-----|-----|
| Main (key) switch          | (●) | —   | —   |
| Engine stop lanyard        | ●   | —   | (●) |
| Free acceleration          | ●   | ●   | ●   |
| Start in gear protection   | (●) | ●   | ●   |
| Choke switch               | (●) | —   | —   |
| Power trim and tilt switch | (●) | (●) | ●   |
| Warning buzzer             | (●) | —   | —   |
| Neutral interlock          | ●   | (●) | ●   |

(●): Available on variation

| Type                          | 6X9              |           |
|-------------------------------|------------------|-----------|
|                               | Flush side mount | Top mount |
| Power and All start/stop      | —                | ●         |
| Engine stop lanyard           | ●                | —         |
| Speed Control                 | ●                | ●         |
| Pattern Shift                 | ●                | ●         |
| Station select                | ●                | ●         |
| Center Engine                 | —                | ●         |
| Neutral Hold                  | ●                | ●         |
| Trim Assist                   | ●                | ●         |
| Single Lever                  | —                | (●)       |
| Center Engine                 | —                | (●)       |
| Dimmerable lights             | ●                | ●         |
| Throttle Friction Adjustment  | ●                | ●         |
| Shift Detent Adjustment       | —                | ●         |
| Neutral Interlock             | ●                | —         |
| Color variation               | ●                | ●         |
| LED lighting with 9 colors    | —                | ●         |
| Built-in YDIS connection port | ●                | ●         |
| Updateable ECM                | ●                | ●         |

(●): Available on variation

## Digital Network Gauge

### 6Y8 Tachometer

#### APPLICATION

4-stroke:  
20 ps and over  
Fuel Injection models



- Tacho (rpm)
- Trim
- Hour: total/trip
- Cooling water: temperature/pressure
- Oil: quantity/pressure
- Battery voltage
- Warning
- Immobilizer indication

### 6Y8 Speedometer and fuel combination meter

#### APPLICATION

4-stroke:  
30 ps and over  
Fuel Injection models

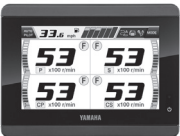


- Speed
  - Fuel level (2 tanks)
- Total:
- Consumed fuel
  - Fuel economy
  - Fuel consumption
  - Remaining fuel

### CL5 Display

#### APPLICATION

4-stroke:  
30 ps and over  
Fuel Injection models



### MFD Interface type-1

#### APPLICATION

4-stroke:  
30 ps and over  
Fuel Injection models



### MFD Interface type-2



Remote controller

# Switch panel

64D Main SW



6R5 Main SW



single engine

6Y8 Main SW



Twin engine

## One-button control switch

6X6 Main SW



Single engine



Twin engine

6X6 Start/ stop SW



Single engine



Twin engine



All engine

6X6 Emergency stop SW



6X6 Station selector SW



### APPLICATION

Mechanical remote control model

### APPLICATION

DEC and DES models

Electronic Key Switch (EKS)

6X9 Power switch/ Start and stop switch



single/all engine

6X9 Individual start and stop switch



Twin engine



Triple engine



Quad engine

6X9 Start and stop switch



6X9 Emergency stop switch



6X9 Key fob



APPLICATION

DEC and DES models

# Helm Master™ EX

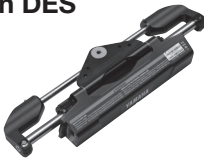
Helm Master™ EX is Yamaha's new integrated boat control platform. It consists of four primary levels - Digital Electronic Control (DEC), Digital Electric Steering (DES), Autopilot and Joystick with SetPoint™ with each level offering a suite of benefits to boat builders, dealers and consumers. Made with Yamaha reliability as a system.

## Feature table

| Function                                       | LEVEL 1                          | LEVEL 2                         | LEVEL 3   | LEVEL 4                       |
|------------------------------------------------|----------------------------------|---------------------------------|-----------|-------------------------------|
| Component Package                              | Digital Electronic Control (DEC) | Digital Electric Steering (DES) | Autopilot | Joystick Full Maneuverability |
| Variable Troll RPM Switch (VTS)                | •                                | •                               | •         | •                             |
| Single Lever                                   | •                                | •                               | •         | •                             |
| Speed Control                                  | •                                | •                               | •         | •                             |
| Pattern Shift                                  | •                                | •                               | •         | •                             |
| Trim Assist                                    | •                                | •                               | •         | •                             |
| Center Engine                                  | •                                | •                               | •         | •                             |
| Neutral Hold                                   | •                                | •                               | •         | •                             |
| Electronic Key Switch (EKS) with Y-COP™        | •                                | •                               | •         | •                             |
| CL5 Display                                    | •                                | •                               | •         | •                             |
| MFD Interfaces                                 | •                                | •                               | •         | •                             |
| Adjustable Lock to Lock                        | —                                | •                               | •         | •                             |
| Adjustable Steering Friction                   | —                                | •                               | •         | •                             |
| Heading Hold                                   | —                                | —                               | •         | •                             |
| Course Hold                                    | —                                | —                               | •         | •                             |
| Pattern Steer                                  | —                                | —                               | •         | •                             |
| Track Point                                    | —                                | —                               | •         | •                             |
| Bow thruster integration                       | —                                | —                               | •         | •                             |
| Autopilot with Joystick Adjustability          | —                                | —                               | —         | •                             |
| Joystick Maneuverability (incl. Single Engine) | —                                | —                               | —         | •                             |
| SetPoint™ Suite Features (incl. Single Engine) | —                                | —                               | —         | •                             |
| Track Point with SetPoint™ Final Stop          | —                                | —                               | —         | •                             |

## Digital Electric Steering (DES)

### Bolt-on DES



### Helm and tilt unit



6GR Helm unit assy



6GR Tilt unit assy



6X9 Helm unit assy

## Autopilot

### Autopilot panel



### Heading sensor



### GPS unit



### BCU



## Joystick

### Joystick controller



### LED assy (Propeller light)



# Propellers

## Propeller Lineup

| Stainless Steel       |                                           |      |
|-----------------------|-------------------------------------------|------|
| TALON SS™ Series      | 6N7, 6N4                                  | P314 |
| Reliance™ Series      | 68F, 68G                                  | P315 |
| Saltwater Series™ II  | 6CE, 6CF                                  | P316 |
| Saltwater Series™ HS4 | 6CE, 6CF                                  | P317 |
| Saltwater Series™ XL  | 6AW, 6AX                                  | P318 |
| Saltwater Series™ XL4 | 6AW, 6AX                                  | P319 |
| XTO OS™ Series        | 6GR, 6GS                                  | P320 |
| Black Series          | 61A, 61B, 6G5, 6K1, 688,<br>6L6, 663, 664 | P321 |

| Aluminum             |               |      |
|----------------------|---------------|------|
| TALON GP™ Series     | 6FP           | P324 |
| TALON™ Series        | 6EK           | P324 |
| M Series             | 6G5, 6K1      | P325 |
| K Series             | 6E5           | P326 |
| G Series             | 63D, 663, 6H5 | P327 |
| G Enduro Series      | 69W           | P328 |
| H Series             | 676           | P328 |
| F Series             | 664, 62C      | P329 |
| J Series             | 63V, 683      | P330 |
| C Series             | 655, 647      | P331 |
| N Series             | 6G1           | P331 |
| BA Series            | 6E0           | P332 |
| BS Series            | 6L5           | P332 |
| A Series             | 646, 6F8      | P333 |
| Dual thrust K Series | 68S           | P333 |
| Dual thrust F Series | 6J8           | P334 |
| Dual thrust J Series | 683           | P335 |
| Dual thrust R Series | 69G, 6G8      | P335 |
| Dual thrust N Series | 6G1           | P335 |

| Plastic              |     |      |
|----------------------|-----|------|
| A Series             | 6A1 | P336 |
| Dual thrust R Series | 6G8 | P336 |

## Stainless Steel

### TALON SS™ Series

Higher pitch variation on Talon SS SDS (Shift Dampener System) propeller for 50-130 PS range. Rattle free and low ventilation provides comfortable cruising. Wide pitch selection for various outboards and boats in range.



### RELIANCE™ series

All-around performance as upper class of Conventional propeller. Polished stainless steel finishing. Shift Dampener System (SDS) incorporated. Right and left hand rotation available.



### Saltwater Series™ II

High rake and cupping for offshore fishing use. Shift Dampener System (SDS)\*1 incorporated. Polished stainless steel finishing. Right and left hand rotation available.

\*1: Except 6R4 / 6R1



### Saltwater Series™ HS4

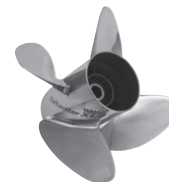
4 blades grip water provides high thrust, excellent acceleration, quick planing. Shift Dampener System (SDS) incorporated. Polished stainless steel finishing. Right and left hand rotation available.



### Saltwater Series™ XL Saltwater Series™ XL4

Designed for V8 5.3L 4 stroke outboards such as F(L)350A .

Shift Dampener System (SDS) incorporated. Polished stainless steel finishing. Right and left hand rotation available.



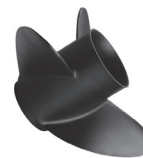
### XTO OS™ Series

Specifically and exclusively designed only for the Yamaha's XTO F400/450 outboards. The XTO OS literally generates extreme thrust output thanks to specially-designed blades and a massive blade surface area, providing excellent acceleration, cruising and top speed characteristics along with reduced ventilation.



### Black Series

An excellent general purpose choice. Stainless steel construction allows for a blade that is thinner, more efficient and more durable than an aluminum propeller, with a cost effective, black paint coating.



**Aluminum**
**TALON GP™ Series**

Talon GP™ is the general purpose propeller being a great choice for lighter weight boats with FT50 to F130, providing excellent water grip in turn.

Coming with Yamaha's exclusive Shift Dampener System (SDS) making shifting into gear much quieter and smoother.


**TALON™ Series**

Shift Dampener System (SDS) greatly reduce shift shock and prop rattle.

New blade design controls ventilation and provides smooth acceleration. White painted aluminium finishing. Right hand rotation only.


**Aluminum Series**

Yamaha design, quality, and performance in a low-cost, lightweight propeller.

A good all-around choice for your Yamaha outboard. Available in a wide variety of sizes and pitches for Yamaha outboard motors.


**Plastic**
**A Series**
**Dual thrust R Series**

Available for 2 ps two stroke or the 8-9.9 ps four stroke.

**NOTE**

- Refer to "RIGGING GUIDE" to catch up detailed information and find your optimum propeller.
- Please note that best propeller is vary among the model of outboard motor, boat, rigging, water condition and usage.
- Depending on the model, a specific propeller pitch may not be available.

## Stainless Steel

### TALON SS™ Series

|                 |                                                  |
|-----------------|--------------------------------------------------|
| <b>4-stroke</b> | Applicable model                                 |
| FI              | F40G, FT50J/FT60G, F70A, F80D/F100F, F115B/F130A |
| VMAX            | F90D, F115C                                      |
| <b>2-stroke</b> | 60F/70B/E60H, E75B, 85A                          |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | K    | SDS      | SS       | P         | 13-1/8   | 14    | 6N7-45970-00 |
|        |      |          |          |           |          | 16    | 6N7-45972-00 |
|        |      |          |          |           |          | 18    | 6N7-45974-00 |
|        |      |          |          |           |          | 19    | 6N7-45976-00 |
|        |      |          |          |           |          | 20    | 6N7-45978-00 |
|        |      |          |          |           |          | 22    | 6N7-45930-00 |
|        |      |          |          |           |          | 24    | 6N7-45932-00 |

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| FI              | FL115B           |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | KL   | SDS      | SS       | P         | 13-1/8   | 14    | 6N4-45970-00 |
|        |      |          |          |           |          | 16    | 6N4-45972-00 |
|        |      |          |          |           |          | 18    | 6N4-45974-00 |
|        |      |          |          |           |          | 20    | 6N4-45978-00 |

### Reliance™ Series

|                 |                                                   |
|-----------------|---------------------------------------------------|
| <b>4-stroke</b> | Applicable model                                  |
| FI              | F150D, F175A/F200F, F150L/F200Q, F200C/F225B      |
| DEC             | F150G/F175C/F200G, F150J/F200P, F225J/F250P/F300G |
| DES             | F150H/F200N, F250N/F300F                          |
| VMAX            | F150C                                             |
| Commercial      | F150F                                             |
| <b>2-stroke</b> | 150A/200A                                         |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | M    | SDS      | SS       | P         | 14-1/2   | 13    | 68F-45932-20 |
|        |      |          |          |           |          | 14    | 68F-45930-20 |
|        |      |          |          |           |          | 15    | 68F-45970-20 |
|        |      |          |          |           | 14-1/4   | 17    | 68F-45972-20 |
|        |      |          |          |           |          | 18    | 68F-45978-20 |
|        |      |          |          |           | 13-3/4   | 19    | 68F-45974-20 |
|        |      |          |          |           |          | 21    | 68F-45976-20 |

F150C: X transom only

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| <b>4-stroke</b> | Applicable model                                          |
| FI              | FL150D, FL200C/FL225B, FL200F                             |
| DEC             | FL150G/FL175C/FL200G, FL150J/FL200P, FL225J/FL250P/FL300G |
| DES             | FL150H/FL175D/FL200N, FL250N/FL300F                       |
| Commercial      | FL150F                                                    |
| <b>2-stroke</b> | L150A/L200A                                               |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | ML   | SDS      | SS       | P         | 14-1/2   | 14    | 68G-45930-20 |
|        |      |          |          |           |          | 15    | 68G-45970-20 |
|        |      |          |          |           |          | 17    | 68G-45972-20 |
|        |      |          |          |           | 14-1/4   | 18    | 68G-45978-20 |
|        |      |          |          |           |          | 19    | 68G-45974-20 |
|        |      |          |          |           | 13/3/4   | 21    | 68G-45976-20 |

## Saltwater Series™ II

| 4-stroke   | Applicable model                                  |
|------------|---------------------------------------------------|
| FI         | F150D, F175A/F200F, F150L/F200Q, F200C/F225B      |
| DEC        | F150G/F175C/F200G, F150J/F200P, F225J/F250P/F300G |
| DES        | F150H/F200N, F250N/F300F, <b>F350B</b>            |
| VMAX       | F150C                                             |
| Commercial | F150F                                             |
| 2-stroke   | 150A/200A                                         |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number      |
|--------|------|----------|----------|-----------|----------|-------|------------------|
| 3      | T    | SDS      | SS       | P         | 15-3/4   | 13    | 6CE-45930-20     |
|        |      |          |          |           |          | 15    | 6CE-45976-20     |
|        |      |          |          |           | 15 1/2   | 16    | 6CE-45938-20     |
|        |      |          |          |           |          | 17    | 6CE-45978-20     |
|        |      |          |          |           | 15 1/4   | 18    | 6CE-45934-20(*1) |
|        |      |          |          |           |          | 19    | 6CE-45970-20(*1) |
|        |      |          |          |           | 15       | 20    | 6CE-45932-20(*1) |
|        |      |          |          |           |          | 21    | 6CE-45972-20(*1) |
|        |      |          |          |           | 14-3/4   | 22    | 6CE-45936-20(*1) |
|        |      |          |          |           |          | 23    | 6CE-45974-20(*1) |

\*1: Except F150D/F150F, F175A/F200F, F150G/F175C/F200G, F150L/F200Q, F150J/F200P, F150H/F200N, F150C, 150A/200A

| 4-stroke   | Applicable model                                          |
|------------|-----------------------------------------------------------|
| FI         | FL150D, FL200C/FL225B, FL200F                             |
| DEC        | FL150G/FL175C/FL200G, FL150J/FL200P, FL225J/FL250P/FL300G |
| DES        | FL150H/FL175D/FL200N, FL250N/FL300F                       |
| Commercial | FL150F                                                    |
| 2-stroke   | L150A/L200A                                               |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number      |
|--------|------|----------|----------|-----------|----------|-------|------------------|
| 3      | TL   | SDS      | SS       | P         | 15-3/4   | 13    | 6CF-45930-20     |
|        |      |          |          |           |          | 15    | 6CF-45976-20     |
|        |      |          |          |           | 15-1/2   | 17    | 6CF-45978-20     |
|        |      |          |          |           |          | 18    | 6CF-45934-20(*1) |
|        |      |          |          |           | 15 1/4   | 19    | 6CF-45970-20(*1) |
|        |      |          |          |           |          | 20    | 6CF-45932-20(*1) |
|        |      |          |          |           | 15       | 21    | 6CF-45972-20(*1) |
|        |      |          |          |           |          | 22    | 6CF-45936-20(*1) |
|        |      |          |          |           | 14-3/4   | 23    | 6CF-45974-20(*1) |

\*1: Except FL150D/FL150F, FL200F, FL150G/FL175C/FL200G, FL150J/FL200P, FL150H/FL175D/FL200N, L150A/L200A

## Saltwater Series™ HS4

| 4-stroke   | Applicable model                                  |
|------------|---------------------------------------------------|
| FI         | F150D, F175A/F200F, F150L/F200Q, F200C/F225B      |
| DEC        | F150G/F175C/F200G, F150J/F200P, F225J/F250P/F300G |
| DES        | F150H/F200N, F250N/F300F, <b>F350B</b>            |
| VMAX       | F150C                                             |
| Commercial | F150F                                             |
| 2-stroke   | 150A/200A                                         |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 4      | T    | SDS      | SS       | P         | 15       | 21    | 6CE-45B70-20 |
|        |      |          |          |           |          | 22    | 6CE-45B72-20 |
|        |      |          |          |           |          | 23    | 6CE-45B74-20 |

| 4-stroke   | Applicable model                                          |
|------------|-----------------------------------------------------------|
| FI         | FL150D, FL200C/FL225B, FL200F                             |
| DEC        | FL150G/FL175C/FL200G, FL150J/FL200P, FL225J/FL250P/FL300G |
| DES        | FL150H/FL175D/FL200N, FL250N/FL300F                       |
| Commercial | FL150F                                                    |
| 2-stroke   | L150A/L200A                                               |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 4      | TL   | SDS      | SS       | P         | 15       | 21    | 6CF-45B70-20 |
|        |      |          |          |           |          | 22    | 6CF-45B72-20 |
|        |      |          |          |           |          | 23    | 6CF-45B74-20 |

# Saltwater Series™ XL

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Commercial      | F300D            |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | X    | SDS      | SS       | P         | 16-1/4   | 11    | 6AW-45932-20 |
|        |      |          |          |           |          | 13    | 6AW-45930-20 |
|        |      |          |          |           |          | 15    | 6AW-45970-20 |
|        |      |          |          |           |          | 17    | 6AW-45972-20 |
|        |      |          |          |           | 15-1/2   | 19    | 6AW-45974-20 |
|        |      |          |          |           |          | 21    | 6AW-45976-20 |
|        |      |          |          |           | 15-1/4   | 23    | 6AW-45978-20 |

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Commercial      | FL300D           |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | XL   | SDS      | SS       | P         | 16-1/4   | 11    | 6AX-45932-20 |
|        |      |          |          |           |          | 13    | 6AX-45930-20 |
|        |      |          |          |           |          | 15    | 6AX-45970-20 |
|        |      |          |          |           |          | 17    | 6AX-45972-20 |
|        |      |          |          |           | 15-1/2   | 19    | 6AX-45974-20 |
|        |      |          |          |           |          | 21    | 6AX-45976-20 |
|        |      |          |          |           | 15-1/4   | 23    | 6AX-45978-20 |

# Saltwater Series™ XL4

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Commercial      | F300D            |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 4      | X    | SDS      | SS       | P         | 16-1/8   | 15    | 6AW-45B70-20 |
|        |      |          |          |           |          | 17    | 6AW-45B72-20 |
|        |      |          |          |           | 15-3/8   | 22    | 6AW-45B76-20 |
|        |      |          |          |           |          | 24    | 6AW-45B74-20 |

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Commercial      | FL300D           |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 4      | XL   | SDS      | SS       | P         | 16-1/8   | 15    | 6AX-45B70-20 |
|        |      |          |          |           |          | 17    | 6AX-45B72-20 |
|        |      |          |          |           | 15-3/8   | 22    | 6AX-45B76-20 |
|        |      |          |          |           |          | 24    | 6AX-45B74-20 |

## XTO OS™ Series

| 4-stroke |             | Applicable model |
|----------|-------------|------------------|
| DES      | F400A/F450A |                  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | Y/Y2 | SDS      | SS       | P         | 17-1/8   | 15    | 6GR-45970-20 |
|        |      |          |          |           | 16-7/8   | 16    | 6GR-45D70-20 |
|        |      |          |          |           |          | 17    | 6GR-45972-20 |
|        |      |          |          |           | 16-5/8   | 18    | 6GR-45938-20 |
|        |      |          |          |           |          | 19    | 6GR-45974-20 |
|        |      |          |          |           | 16-3/8   | 20    | 6GR-45936-20 |
|        |      |          |          |           |          | 21    | 6GR-45976-20 |
|        |      |          |          |           | 16-1/8   | 22    | 6GR-45934-20 |
|        |      |          |          |           |          | 23    | 6GR-45978-20 |
|        |      |          |          |           | 16       | 24    | 6GR-45932-20 |
|        |      |          |          |           |          | 25    | 6GR-45930-20 |
|        |      |          |          |           |          | 26    | 6GR-45D72-20 |
|        |      |          |          |           |          | 27    | 6GR-45D74-20 |

| 4-stroke |               | Applicable model |
|----------|---------------|------------------|
| DES      | FL400A/FL450A |                  |

| Brades | Mark       | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------------|----------|----------|-----------|----------|-------|--------------|
| 3      | YL/<br>YL2 | SDS      | SS       | P         | 17-1/8   | 15    | 6GS-45970-20 |
|        |            |          |          |           | 16-7/8   | 16    | 6GS-45D70-20 |
|        |            |          |          |           |          | 17    | 6GS-45972-20 |
|        |            |          |          |           | 16-5/8   | 18    | 6GS-45938-20 |
|        |            |          |          |           |          | 19    | 6GS-45974-20 |
|        |            |          |          |           | 16-3/8   | 20    | 6GS-45936-20 |
|        |            |          |          |           |          | 21    | 6GS-45976-20 |
|        |            |          |          |           | 16-1/8   | 22    | 6GS-45934-20 |
|        |            |          |          |           |          | 23    | 6GS-45978-20 |
|        |            |          |          |           | 16       | 24    | 6GS-45932-20 |
|        |            |          |          |           |          | 25    | 6GS-45930-20 |
|        |            |          |          |           |          | 26    | 6GS-45D72-20 |
|        |            |          |          |           |          | 27    | 6GS-45D74-20 |

## Black Series

| 4-stroke |             | Applicable model |
|----------|-------------|------------------|
| FI       | F200C/F225B |                  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | T    | STD      | SS       | B         | 15       | 17    | 61A-45978-00 |
|        |      |          |          |           | 14-1/2   | 19    | 61A-45974-00 |
|        |      |          |          |           |          | 21    | 61A-45972-00 |

| 4-stroke |               | Applicable model |
|----------|---------------|------------------|
| FI       | FL200C/FL225B |                  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | TL   | STD      | SS       | B         | 15       | 17    | 61B-45978-00 |
|        |      |          |          |           | 14-1/2   | 19    | 61B-45974-00 |
|        |      |          |          |           |          | 21    | 61B-45972-00 |

| 4-stroke |                                                    | Applicable model |
|----------|----------------------------------------------------|------------------|
| FI       | F150D/F150F, F175A/F200F, F200C/F225B, F150L/F200Q |                  |
| DEC      | F150G/F175C/F200G, F150J/F200P                     |                  |
| DES      | F150H/F200N                                        |                  |
| VMAX     | F150C                                              |                  |

| 2-stroke |  | 150A/200A |
|----------|--|-----------|
|----------|--|-----------|

| Brades | Mark | Hub type | Material     | Finishing | Diameter | Pitch | Part number      |
|--------|------|----------|--------------|-----------|----------|-------|------------------|
| 3      | M    | STD      | SS           | B         | 15-3/4   | 13    | 6G5-45932-00(*1) |
|        |      |          |              |           | 15-1/4   | 15    | 6G5-45970-02(*1) |
|        | M2   |          |              |           | 13-3/4   | 17    | 6G5-45978-03     |
|        |      |          |              |           |          | 19    | 6G5-45974-03     |
|        | M    |          |              |           | 13-3/8   | 21    | 6G5-45972-02     |
|        |      |          |              |           |          | 23    | 6G5-45976-01     |
|        |      | 25       | 6G5-45930-00 |           |          |       |                  |

F150C: X transom only

\*1: F150D/F150F, F200C/F225B, 150A/200A only

## Black Series

|                 |                                      |  |  |
|-----------------|--------------------------------------|--|--|
| <b>4-stroke</b> | Applicable model                     |  |  |
| FI              | FL150D/FL150F, FL200C/FL225B, FL200F |  |  |
| DEC             | FL150G/FL175C/FL200G, FL150J/FL200P  |  |  |
| DES             | FL150H/FL175D/FL200N                 |  |  |
| <b>2-stroke</b> | L150A/L200A                          |  |  |

| Brades | Mark   | Hub type | Material | Finishing | Diameter | Pitch | Part number      |              |
|--------|--------|----------|----------|-----------|----------|-------|------------------|--------------|
| 3      | ML     | STD      | SS       | B         | 15-1/4   | 15    | 6K1-45970-01(*1) |              |
|        | ML1    |          |          |           | 17       | 17    | 6K1-45978-02     |              |
|        |        |          |          |           | 13-3/4   | 19    | 19               | 6K1-45974-02 |
|        |        |          |          |           |          | 21    | 21               | 6K1-45972-01 |
|        | 13-3/8 |          |          |           | 23       | 23    | 6K1-45976-00     |              |

\*1: Except FL150G/FL175C/FL200G, FL200F, FL150H/FL175D/FL200N, FL150J/FL200P

|                 |                                            |  |  |
|-----------------|--------------------------------------------|--|--|
| <b>4-stroke</b> | Applicable model                           |  |  |
| FI              | FT50J/FT60G, F70A, F80D/F100F, F115B/F130A |  |  |
| VMAX            | F90D, F115C                                |  |  |
| <b>2-stroke</b> | 60F/70B/E60H, E75B, 85A                    |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch        | Part number  |
|--------|------|----------|----------|-----------|----------|--------------|--------------|
| 3      | K    | STD      | SS       | B         | 13-1/2   | 14           | 688-45932-60 |
|        | K    |          |          |           |          | 16           | 688-45978-60 |
|        |      |          |          |           | 13       | 17           | 688-45930-02 |
|        |      |          |          |           |          | 19           | 688-45970-03 |
|        |      |          |          |           |          | 21           | 688-45972-02 |
|        |      |          |          |           |          | 23           | 688-45974-02 |
|        | 25   |          |          |           |          | 688-45976-01 |              |

|                 |                  |  |  |
|-----------------|------------------|--|--|
| <b>4-stroke</b> | Applicable model |  |  |
| FI              | FL115B           |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | KL   | STD      | SS       | B         | 13       | 17    | 6L6-45930-01 |
|        |      |          |          |           |          | 19    | 6L6-45970-00 |
|        |      |          |          |           |          | 21    | 6L6-45972-00 |

|                 |                           |  |  |
|-----------------|---------------------------|--|--|
| <b>4-stroke</b> | Applicable model          |  |  |
| FI              | F30B/F40F, F40H/F50H/F60F |  |  |
| <b>2-stroke</b> | 40X/E40X, E40J/EK40J      |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | G    | STD      | SS       | B         | 12       | 11    | 663-45972-60 |
|        |      |          |          |           | 11-3/4   | 12    | 663-45970-60 |
|        |      |          |          |           | 11-1/2   | 13    | 663-45974-60 |
|        |      |          |          |           | 10-1/4   | 14    | 663-45930-00 |
|        |      |          |          |           | 11-1/4   |       | 697-45970-00 |
|        |      |          |          |           | 10-1/4   | 15    | 663-45976-00 |
|        |      |          |          |           |          | 16    | 663-45978-00 |

|                 |                               |  |  |
|-----------------|-------------------------------|--|--|
| <b>4-stroke</b> | Applicable model              |  |  |
| FI              | F20G/F25G                     |  |  |
| <b>2-stroke</b> | 25B/30H/E25B/E30H/EK25B/EK25C |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | F    | STD      | SS       | B         | 9-1/8    | 12    | 664-45972-00 |
|        |      |          |          |           |          | 13    | 664-45970-00 |

Aluminum

# TALON GP™ Series

| 4-stroke | Applicable model                           |
|----------|--------------------------------------------|
| FI       | FT50J/FT60G, F70A, F80D/F100F, F115B/F130A |
| VMAX     | F90D, F115C                                |
| 2-stroke | 60F/70B/E60H, 85A, E75B                    |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | K    | SDS      | AL       | W         | 13-5/8   | 14    | 6FP-45941-00 |
|        |      |          |          |           | 13-1/2   | 15    | 6FP-45943-00 |
|        |      |          |          |           | 13-1/4   | 16    | 6FP-45945-00 |
|        |      |          |          |           | 13-1/8   | 17    | 6FP-45947-00 |
|        |      |          |          |           | 13       | 18    | 6FP-45949-00 |

# TALON™ Series

| 4-stroke | Applicable model                           |
|----------|--------------------------------------------|
| FI       | FT50J/FT60G, F70A, F80D/F100F, F115B/F130A |
| VMAX     | F90D, F115C                                |
| 2-stroke | 60F/70B/E60H, 85A, E75B                    |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch  | Part number  |
|--------|------|----------|----------|-----------|----------|--------|--------------|
| 3      | K    | SDS      | AL       | W         | 13-1/2   | 9      | 6EK-45941-00 |
|        |      |          |          |           |          | 10-1/2 | 6EK-45943-00 |
|        |      |          |          |           |          | 12     | 6EK-45945-00 |
|        |      |          |          |           |          | 14     | 6EK-45947-00 |
|        |      |          |          |           |          | 16     | 6EK-45949-00 |

# M Series

| 4-stroke   | Applicable model                       |
|------------|----------------------------------------|
| FI         | F150D, F175A/F200F, F200C, F150L/F200Q |
| DEC        | F150G/F175C/F200G, F150J/F200P         |
| DES        | F150H/F200N                            |
| VMAX       | F150C                                  |
| Commercial | F150F                                  |
| 2-stroke   | 150A/200A                              |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | M    | STD      | AL       | B         | 15-1/4   | 15    | 6G5-45941-00 |
|        |      |          |          |           | 14-5/8   | 16    | 6G5-45952-00 |
|        |      |          |          |           | 14-1/2   | 17    | 6G5-45947-01 |
|        |      |          |          |           | 14       | 19    | 6G5-45945-01 |
|        |      |          |          |           | 13-3/4   | 21    | 6G5-45943-01 |
|        |      |          |          |           | 13-1/2   | 23    | 6G5-45949-00 |

F150C: X transom only

| 4-stroke   | Applicable model                    |
|------------|-------------------------------------|
| FI         | FL150D, FL200C, FL200F              |
| DEC        | FL150G/FL175C/FL200G, FL150J/FL200P |
| DES        | FL150H/FL175D/FL200N                |
| Commercial | FL150F                              |
| 2-stroke   | L150A/L200A                         |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | ML   | STD      | AL       | B         | 14-1/2   | 17    | 6K1-45947-00 |
|        |      |          |          |           | 14       | 19    | 6K1-45945-00 |

## K Series

|                 |                                            |  |  |  |  |  |  |
|-----------------|--------------------------------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model                           |  |  |  |  |  |  |
| FI              | FT50J/FT60G, F70A, F80D/F100F, F115B/F130A |  |  |  |  |  |  |
| VMAX            | F90D, F115C                                |  |  |  |  |  |  |
| <b>2-stroke</b> | 60F/70B/E60H, E75B, 85A                    |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | K    | STD      | AL       | W         | 14       | 11    | 6E5-45954-00 |
|        |      |          |          |           | 13-5/8   | 13    | 6E5-45949-00 |
|        |      |          |          |           |          | 14    | 6E5-45958-00 |
|        |      |          |          |           | 13-1/2   | 15    | 6E5-45947-00 |
|        |      |          |          |           | 13-1/4   | 17    | 6E5-45945-01 |
|        |      |          |          |           | 13       | 19    | 6E5-45941-00 |
|        |      |          |          |           | 12-5/8   | 21    | 6E5-45943-00 |
|        |      |          |          |           | 13       | 23    | 6E5-45952-00 |
|        |      |          |          |           |          | 25    | 6E5-45956-00 |

## G Series

|                 |                      |  |  |  |  |  |  |
|-----------------|----------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model     |  |  |  |  |  |  |
| FI              | F30B/F40F, F40H/F50H |  |  |  |  |  |  |
| <b>2-stroke</b> | 40X/E40X, E40J/EK40J |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | G    | STD      | AL       | W         | 12-1/4   | 8     | 63D-45941-00 |

|                 |                      |  |  |  |  |  |  |
|-----------------|----------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model     |  |  |  |  |  |  |
| FI              | F30B/F40F, F40H/F50H |  |  |  |  |  |  |
| <b>2-stroke</b> | 40X/E40X, E40J/EK40J |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | G    | STD      | AL       | W         | 12-1/4   | 9     | 663-45956-01 |
|        |      |          |          |           | 11-3/4   | 10    | 663-45954-01 |
|        |      |          |          |           | 11-3/8   | 12    | 663-45952-02 |
|        |      |          |          |           | 11-1/4   | 14    | 663-45958-01 |
|        |      |          |          |           | 10-3/4   | 16    | 663-45949-01 |
|        |      |          |          |           |          | 17    | 663-45941-01 |

|                 |                      |  |  |  |  |  |  |
|-----------------|----------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model     |  |  |  |  |  |  |
| FI              | F30B/F40F, F40H/F50H |  |  |  |  |  |  |
| <b>2-stroke</b> | 40X/E40X, E40J/EK40J |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | G    | STD      | AL       | W         | 10-5/8   | 12    | 6H5-45952-00 |
|        |      |          |          |           | 10-3/8   | 13    | 6H5-45945-00 |
|        |      |          |          |           | 10-1/4   | 14    | 6H5-45958-00 |
|        |      |          |          |           | 10       | 15    | 6H5-45943-00 |

## G Enduro Series

|                 |                           |  |  |  |  |  |  |
|-----------------|---------------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model          |  |  |  |  |  |  |
| FI              | F30B/F40F, F40H/F50H/F60F |  |  |  |  |  |  |
| <b>2-stroke</b> | 40X/E40X, E40J/EK40J      |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | G    | STD      | AL       | W         | 11-5/8   | 11    | 69W-45947-00 |
|        |      |          |          |           | 11-3/8   | 12    | 69W-45952-00 |
|        |      |          |          |           | 11-1/8   | 13    | 69W-45945-00 |
|        |      |          |          |           | 11-1/4   | 14    | 69W-45958-00 |
|        |      |          |          |           | 11       | 15    | 69W-45943-00 |

## H Series

|                 |            |  |  |  |  |  |  |
|-----------------|------------|--|--|--|--|--|--|
| <b>2-stroke</b> | E40G/EK40G |  |  |  |  |  |  |
|-----------------|------------|--|--|--|--|--|--|

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | H    | STD      | AL       | W         | 11-3/4   | 7-1/2 | 676-45956-61 |
|        |      |          |          |           |          | 8-3/4 | 676-45947-62 |
|        |      |          |          |           |          | 10    | 676-45945-62 |
|        |      |          |          |           | 11-1/2   | 11    | 676-45941-62 |
|        |      |          |          |           |          | 12    | 676-45943-62 |
|        |      |          |          |           |          | 13    | 676-45952-62 |

## F Series

|                 |                               |  |  |  |  |  |  |
|-----------------|-------------------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model              |  |  |  |  |  |  |
| FI              | F20G/F25G                     |  |  |  |  |  |  |
| <b>2-stroke</b> | 25B/30H/E25B/E30H/EK25B/EK25C |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch  | Part number      |
|--------|------|----------|----------|-----------|----------|--------|------------------|
| 3      | F    | STD      | AL       | W         | 9-7/8    | 8      | 664-45943-01     |
|        |      |          |          |           |          | 9      | 664-45941-01     |
|        |      |          |          |           |          | 10-1/2 | 664-45945-00     |
|        |      |          |          |           |          | 11-1/4 | 664-45947-01     |
|        |      |          |          |           |          | 12     | 664-45954-01     |
|        |      |          |          |           |          | 13     | 664-45949-02(*1) |
|        |      |          |          |           |          | 14     | 664-45952-00     |

\*1: Except 25B/30H/E25B/E30H/EK25B/EK25C.

|                 |                               |  |  |  |  |  |  |
|-----------------|-------------------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model              |  |  |  |  |  |  |
| FI              | F20G/F25G                     |  |  |  |  |  |  |
| <b>2-stroke</b> | 25B/30H/E25B/E30H/EK25B/EK25C |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | F    | STD      | AL       | W         | 9-7/8    | 10    | 62C-45941-00 |

## J Series

|                 |                                                    |  |  |  |  |  |  |
|-----------------|----------------------------------------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model                                   |  |  |  |  |  |  |
| Caburetor       | F9.9H/F15C                                         |  |  |  |  |  |  |
| <b>2-stroke</b> | 9.9F/9.9G/15F/E9.9D/E15D/EK9.9D/EK9.9J/EK15D/EK15P |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | J    | STD      | AL       | W         | 9-1/4    | 8     | 63V-45947-00 |

|                 |                                                    |  |  |  |  |  |  |
|-----------------|----------------------------------------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model                                   |  |  |  |  |  |  |
| Caburetor       | F9.9H/F15C                                         |  |  |  |  |  |  |
| <b>2-stroke</b> | 9.9F/9.9G/15F/E9.9D/E15D/EK9.9D/EK9.9J/EK15D/EK15P |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch  | Part number  |
|--------|------|----------|----------|-----------|----------|--------|--------------|
| 3      | J    | STD      | AL       | W         | 9-1/2    | 6-1/2  | 683-45949-00 |
|        |      |          |          |           | 9-1/4    | 10-1/2 | 683-45943-00 |
|        |      |          |          |           |          | 12     | 683-45941-00 |

|                 |                                                    |  |  |  |  |  |  |
|-----------------|----------------------------------------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model                                   |  |  |  |  |  |  |
| Caburetor       | F9.9H/F15C                                         |  |  |  |  |  |  |
| <b>2-stroke</b> | 9.9F/9.9G/15F/E9.9D/E15D/EK9.9D/EK9.9J/EK15D/EK15P |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | J1   | STD      | AL       | W         | 9-1/4    | 9     | 63V-45945-10 |
|        |      |          |          |           |          | 10    | 63V-45952-10 |
|        |      |          |          |           |          | 11    | 63V-45943-10 |
|        |      |          |          |           |          | 12    | 63V-45941-10 |

## C Series

| <b>2-stroke</b> | E8D/EK8D |          |          |           |          |       |              |
|-----------------|----------|----------|----------|-----------|----------|-------|--------------|
| Brades          | Mark     | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
| 3               | C        | STD      | AL       | W         | 7-1/4    | 5     | 655-45949-00 |
|                 |          |          |          |           | 9        | 5-3/4 | 655-45947-01 |
|                 |          |          |          |           |          | 6-1/2 | 655-45945-00 |
|                 |          |          |          |           |          | 7-1/2 | 655-45943-00 |

| <b>2-stroke</b> | E8D/EK8D |          |          |           |          |       |              |
|-----------------|----------|----------|----------|-----------|----------|-------|--------------|
| Brades          | Mark     | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
| 3               | C        | STD      | AL       | W         | 9        | 7     | 647-45943-00 |
|                 |          |          |          |           |          | 9     | 647-45947-00 |
|                 |          |          |          |           | 9-1/4    | 9-1/4 | 647-45941-00 |

## N Series

|                 |                  |  |  |  |  |  |  |
|-----------------|------------------|--|--|--|--|--|--|
| <b>4-stroke</b> | Applicable model |  |  |  |  |  |  |
| Caburetor       | F6D, F8F/F9.9J   |  |  |  |  |  |  |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | N    | STD      | AL       | W         | 8-1/2    | 6-1/2 | 6G1-45947-00 |
|        |      |          |          |           |          | 7-1/2 | 6G1-45943-00 |
|        |      |          |          |           |          | 8     | 6G1-45952-00 |
|        |      |          |          |           |          | 8-1/2 | 6G1-45941-00 |
|        |      |          |          |           |          | 9-1/4 | 6G1-45954-00 |

## BA Series

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Caburetor       | F4B/F5A/F6C      |
| <b>2-stroke</b> | 4C/4D            |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | BA   | STD      | AL       | W         | 7-1/2    | 7     | 6E0-45943-01 |
|        |      |          |          |           |          | 8     | 6E0-45941-01 |
|        |      |          |          |           |          | 9     | 6E0-45954-00 |
|        |      |          |          |           | 7-1/4    | 6-1/2 | 6E0-45949-00 |
|        |      |          |          |           |          | 8-1/4 | 6E0-45952-00 |

## BS Series

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Caburetor       | F2.5B            |
| <b>2-stroke</b> | 3B               |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | BS   | STD      | AL       | W         | 7-1/4    | 5     | 6L5-45949-00 |
|        |      |          |          |           |          | 5-1/2 | 6L5-45952-00 |
|        |      |          |          |           |          | 6     | 6L5-45943-00 |
|        |      |          |          |           |          | 7-1/4 | 6L5-45945-00 |
|        |      |          |          |           |          | 8-1/4 | 6L5-45947-00 |

## A Series

| 2-stroke |      | 2D       |          |           |          |       |              |
|----------|------|----------|----------|-----------|----------|-------|--------------|
| Brades   | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
| 3        | A    | STD      | AL       | W         | 7-1/4    | 4-1/2 | 646-45944-01 |
|          |      |          |          |           |          | 5     | 6F8-45942-01 |
|          |      |          |          |           |          | 5-1/2 | 646-45942-01 |

## Dual thrust K Series

| 4-stroke |      | Applicable model  |          |           |          |       |              |
|----------|------|-------------------|----------|-----------|----------|-------|--------------|
| FI       |      | FT50J/FT60G, F70A |          |           |          |       |              |
|          |      |                   |          |           |          |       |              |
| Brades   | Mark | Hub type          | Material | Finishing | Diameter | Pitch | Part number  |
| 3        | K    | STD               | AL       | W         | 14       | 11    | 68S-45941-00 |

## Dual thrust F Series

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| FI              | F20G/F25G        |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | F    | STD      | AL       | W         | 10-5/8   | 8-1/4 | 6J8-W4591-00 |

\* : Hydro tilt specifications, Power trim and tilt specifications only.

## Dual thrust J Series

|                 |                                                    |
|-----------------|----------------------------------------------------|
| <b>4-stroke</b> | Applicable model                                   |
| Caburetor       | F9.9H/F15C                                         |
| <b>2-stroke</b> | 9.9F/9.9G/15F/E9.9D/E15D/EK9.9D/EK9.9J/EK15D/EK15P |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | J    | STD      | AL       | W         | 9-3/4    | 6-1/2 | 683-W4592-02 |
|        |      |          |          |           |          | 8     | 683-W4591-02 |

## Dual thrust R Series

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Caburetor       | FT8G/FT9.9L      |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | R    | STD      | AL       | W         | 11-3/4   | 5-3/4 | 69G-45941-00 |
|        |      |          |          |           |          | 7     | 69G-45943-00 |
|        |      |          |          |           |          | 9-1/4 | 6G8-45947-00 |

## Dual thrust N Series

|                 |                  |
|-----------------|------------------|
| <b>4-stroke</b> | Applicable model |
| Caburetor       | F8F/F9.9J        |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | N    | STD      | AL       | W         | 9        | 5     | 6G1-W4592-00 |
|        |      |          |          |           |          | 7     | 6G1-W4591-01 |

Plastic

A Series

|          |    |
|----------|----|
| 2-stroke | 2D |
|----------|----|

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch | Part number  |
|--------|------|----------|----------|-----------|----------|-------|--------------|
| 3      | A    | STD      | PL       | W         | 7-1/4    | 4     | 6A1-45943-00 |

Dual thrust R Series

|           |                  |
|-----------|------------------|
| 4-stroke  | Applicable model |
| Caburetor | FT8G/FT9.9L      |

| Brades | Mark | Hub type | Material | Finishing | Diameter | Pitch  | Part number  |
|--------|------|----------|----------|-----------|----------|--------|--------------|
| 3      | R    | STD      | PL       | Gray      | 11-3/4   | 12-1/4 | 6G8-45945-00 |
|        |      |          |          |           |          | 11     | 6G8-45941-00 |
|        |      |          |          |           |          | 9-1/4  | 6G8-45943-00 |

Material: AL [Aluminum], SS [Stainless Steel], PL [Plastic]  
Finishing: W [White painted], B [Black painted], P [Polished]

GENUINE OIL  
YAMALUBE for  
Outboards



4-stroke application



**[Background]** Outboards have to operate under sea-water spray, and therefore marine oil required stable lubricating and rust prohibitive efficiency have to be maintained under sea spray contamination.

**[Advantage]** YAMALUBE has been strengthen lubricating and rust/corrosion prohibitive efficiency under sea condition.

**[Naming]** YAMALUBE 4, YAMALUBE 4M

2-stroke application



**[Background]** Operating condition is greatly different from land vehicle and Heavy-duty oil for 2-stroke water-cooled engine is required.

**[Advantage]** YAMALUBE have been produced on specially turned formula for Yamaha outboard models.

**[Naming]** YAMALUBE 2, YAMALUBE 2M

Gear oil application



**[Background]** Spiraled bevel gears have been operating under the water. Limited oil in the compact gear case without air breeze support all power transfer to the propeller. From such back ground, High class hypoid gear oil is requested.

**[Advantage]** YAMALUBE will not produce jerry even seawater contaminated accidentally. Heavy duty high quality oil in the convenient bottle.

**[Naming]** YAMALUBE GEAR OIL

**[API classification]** Hypoid gear oil GL5 or GL4

Marine grease

Yamalube grease A

Poly urea based multi purpose marine grease featuring with heavy duty and highly seawater resistance.

Yamaha Grease D

Specially designed for propeller shaft application to be protected the shaft / propeller from salt seizure.

Water separators

- Separates over 99% of water, the main enemy of your outboard motor.
- Full plastic body ensures that the bowl will not become stuck due to electric corrosion or rust, making filter replacements easy.
- Large capacity type for holding up to 215 cc of water. Regular type has a capacity of 60 cc.
- Highly visible float and see-through bowl allow you to check the water level with just a glance.
- Two large capacity types are available: a 10 µm filter type (4-stroke and 2-stroke HPDI/FI models) or a 25 µm filter type (2-stroke carburetor models). Regular type is available only with a 10 µm filter.



Large capacity type



Regular type

| Part numbers                            | Large capacity filter                      | Regular filter      |
|-----------------------------------------|--------------------------------------------|---------------------|
| Water separator assembly                | 90794-46905 (10 µm)<br>90794-46906 (25 µm) | 90794-46909 (10 µm) |
| Replacement element<br>(with an O-ring) | 90794-46911 (10 µm)<br>90794-46912 (25 µm) | 90794-46914 (10 µm) |

| Specifications             | Large capacity filter              | Regular filter      |
|----------------------------|------------------------------------|---------------------|
| Applicable outboard motors | Up to 250 hp                       | 70 hp or less       |
| Fluid capacity             | 215 cc                             | 60 cc               |
| Maximum flow rate          | 200 L/H                            | 100 L/H             |
| Filter type                | 10 µm/25 µm                        | 10 µm               |
| Connector                  | 8 mm                               | 7 mm                |
| Size                       | H200×W125.5×D127                   | H169×W113×D62       |
| Included                   | Connector, IN & OUT<br>Hose band×2 | Connector, IN & OUT |

**2024**

**YAMAHA Outboard Motors  
Product Information Guide**

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