

PARSUN



OUTBOARD MOTOR

Suzhou PARSUN Power Machine Co., Ltd.
sales@parsun.com.cn www.parsunpower.com



Facebook



Twitter



Youtube

- Specifications may change without notice.
- In some photos, optional equipment is included.
- Due to printing limitations, actual product colors may vary slightly from the photos.
- Always consult and read the user manual before using your Parsun outboard motor.

Parsun has the final right to interpret the entire product manual to the extent permitted by law.

Any reproduction or unauthorized use of this material is prohibited without the written permission of Suzhou Parsun Power Machine Co., Ltd.

ELECTRIC OUTBOARD | 4-STROKE OUTBOARD | 2-STROKE OUTBOARD

CATALOG

01

▶ Company Introduction ————— 02

02

04 ————— Advanced Technology ◀

03

▶ Ultimate User Experience ————— 06

04

08 ————— Quality Assurance ◀

05

▶ Electric Outboard Motors

5.1 J0y6.0

5.2 J0y1.2 ————— 12

06

▶ 4-Stroke Outboard Motors

6.1 200hp-300hp

6.2 85hp-130hp

6.3 30hp-60hp

6.4 2.6hp-20hp ————— 22

07

2-Stroke Outboard Motors ◀

7.1 50hp-90hp

7.2 20hp-40hp

26 ————— 7.3 2hp-18 hp

08

▶ Parts & Accessories ————— 28

09

32 ————— Specifications ◀

THE LEADING BRAND OF OUTBOARD MOTORS IN THE WORLD

Parsun is the leading brand of outboard motors in the world. We're devoted to offering best-in-class marine products, including electric outboard motors and gasoline outboard motors, paired with exceptional after-sales service. Our goal is to provide our customers with the highest quality boating experience, for the life of our products.

to offering best-in-class marine products, including electric after-sales service. Our goal is to provide our customers with the



ADVANCED TECHNOLOGY



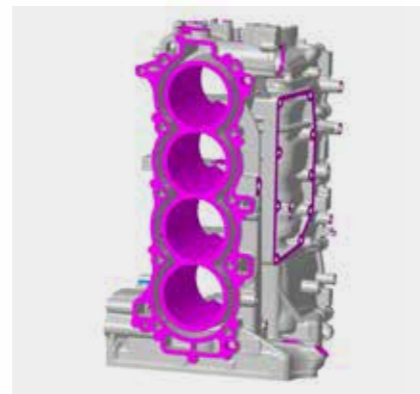
EFI

The Electronic Fuel Injection technology (E.F.I.) is the core control unit of the entire outboard engine, which is often applied to medium and large 4-stroke outboard engines to improve the intelligence and performance of outboard engines, reduce fuel consumption and reduce emissions.

* For F20A/F30/F40/F50/F60/F85/F100/F115/F130

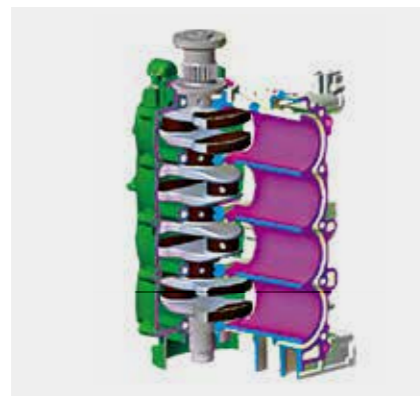
Engine without cylinder liner technology

Thanks to the technology of engine without cylinder liner, our outboard motors are more compact, less weighted, and more durable.



Innovative engine crankshaft offset design

During the combustion stroke, the offset design of the crankshaft counteracts the side end thrust of the piston due to the downward movement of the connecting rod, reducing the friction between the piston and the cylinder wall, while also increasing the space on the intake side, increasing the intake volume and achieving higher engine output.



Left-rotation Propeller

Left-rotation propeller allows for better directional control and optimal power performance in multi-engine applications on one boat, because it can efficiently avoid the loss of speed caused by the water churning interference of the propeller.

* For F85/F100/F115/F130



Independent intake and exhaust valve camshaft design

This design can improve the intake and exhaust efficiency, thus achieving higher engine performance. In addition, it can also reduce the carbon deposit of the engine and increase the service life of the engine*.

* For EFI outboard motors above 60 horsepower



Centralized central exhaust system with cooling unit

It facilitates the collection and testing of exhaust gases, while the optional oxygen sensor device enables precise control of engine exhaust emissions to meet higher requirements emission testing standards.



Engine diagnostic system app

Users can easily obtain the outboard operating data and carry out fault diagnosis through a bluetooth device connected to the outboard control core ECU and our mobile app, which is convenient for after-sales service and maintenance.

*Only for EFI outboard motors

ULTIMATE USER EXPERIENCE



Built-in freshwater flushing system

This is a standard feature that almost all Parsun Outboards have. The fresh water flushing system provides easier routine flushing for the outboard.



Thru-hub exhaust propellers

The exhaust gas passes through the lower unit and exits through the propeller hub. This design results in better boating performance and less noise.



The groove on the top cowling for easy operation

Because there is a groove on the top cowling, you will find it is very easy to move or trim the outboard motor.



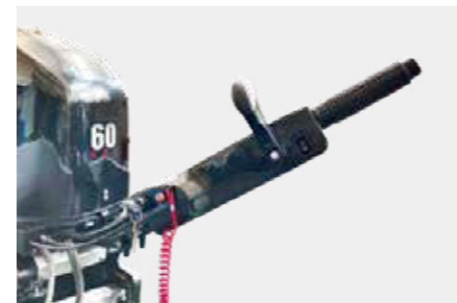
LED warning indicator

LED flashing light and buzzer for common failures.



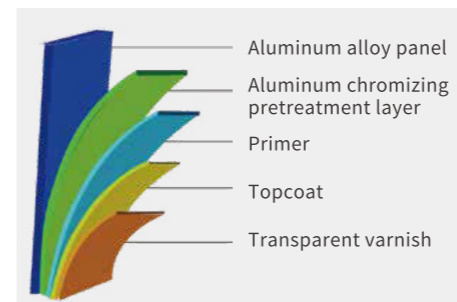
Magnetic oil drain plug

The magnetic plug makes replacing the oil easy and reduces oil impurities to ensure smooth engine operation.



Multifunction tiller handle

The boat can be driven with one hand, which increases the safety and convenience of driving. It includes an ignition switch, gear shift, throttle control, throttle control grip, emergency stop switch, power tilt & trim switch, and an LED warning indicator.



Super multi-layer marine-grade anti-corrosion treatment

The five-layer treatments plus multiple anodes provide an excellent corrosion protection for all external environments. It is a standard for all our outboard models.



QUALITY ASSURANCE



Selected accessories, for better engine adaption/compatibility



In line with ISO9001 & ISO14001



The skilled workers



EPA/CE approved



Every single motor is tested before leaving the factory

JOY6.0 ELECTRIC OUTBOARD MOTORS

Unique Innovation

- Front and rear operation 2 models
- Stylish appearance and lighter body design
- Aluminum alloy rear handle, not afraid to press up
- Water flow power generation function
- Anti-reverse connection, over voltageover current,blocking and otherprotection functions
- Higher level of anti-corrosion treatment
- 48V working voltage, safe and reliable
- Dc brushless motor direct drive, small power loss, high propulsion efficiency
- Built-in Bluetooth, can be connected tothe mobile App,to achieve more controfunc-tions



External circulation water cooled motor and control board to ensure reliable and lasting operation.



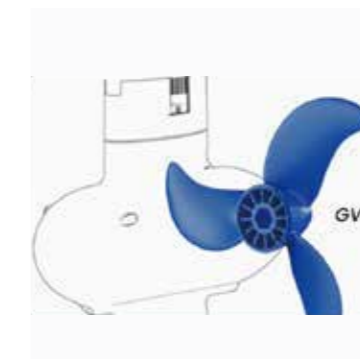
Color touch LCD screen, better interactive experience.



More eye-catching alarm and fault tips.



Bluetooth + smart APP



The propeller is made of GV-5H material, which has higher strength and is suitable for a variety of propulsion purposes.



The unique control handle has the function of swapping left and right, and the installation direction of the handle can be selected according to customer habits.

SPECIFICATIONS

Power	Standard Battery	Rated Voltage	Motor Weight	Battery Weight	Standard Charging Current	Fast Charging Current	External Battery		Rotate Speed	Trim / Tilt Angle	Shaft Length	Control	Drive	Maximum static thrust	Gears	Tilt system	Waterproof level
6.0KW	8960Wh*1 Single 4096Wh*2 Twin	48V	35±1kg	88kg(8960Wh) 47kg(4096Wh Single)	50A	/	Yes		1550 rpm	Max 60°	570 (L)/442(S)mm	Tiller Handle Remote Control	Motor Direct Drive	1170N	F-N-R	Manual	IP67

JOY1.2 ELECTRIC OUTBOARD MOTORS

Joy1.2 is a portable electric outboard made for dinghies, fishing boats, and sailboats. It features a 1440Wh integrated lithium battery for longer range. Meanwhile, this outboard is driven by a DC brushless motor for reliable performance.

PERFORMANCE

Power (W)	Speed (kph)	Runtime (min)	Range (km)
1200w	8.7	72	10.4
1000w	8.3	86	12
800w	7.7	108	13.9
600w	6.9	144	16.6

* This test data is sourced from PARSUN R&D lab, based on a 3 meter inflatable with 2 adults on board and in a calm river. The actual operating speed and range will vary depending on the boat type, load and water conditions.



THREE ADVANTAGES



Reliable Battery

The High-density rechargeable battery is lightweight, only 9.2kg, and rugged enough for harsh conditions.

- **1440kwh lithium battery:** high-density, high-capacity battery, longer range.
- **Floating design:** the battery floats when dropped into water.
- **Three kinds of chargers:** standard charger, fast charger, solar charger optional.
- **Sleep mode:** automatically enters into sleep mode to preserve energy and protect the battery.



Portable Design

The outboard and battery are detachable and packaged independently, taking up little space and easy to carry and restore.

- **Lightweight:** the total weight is 20kg.
- **Little Space:** The entire motor can be disassembled, easy to carry and transport.
- **Folding Tiller:** Quick to pack and deploy.



Visual Display

- **Digital LCD display:** Display the operating status of outboard motor.
- **Magnetic emergency switch:** stop the motor in an emergency and keep you safe.
- **Stepless throttle replacement:** throttle feel clear, smooth and pleasant.
- **Backgroud light:** Higher brightness/definition display.

SPECIFICATIONS

Power	Standard Battery	Rated Voltage	Motor Weight	Battery Weight	Standard Charging Current	Fast Charging Current	Internal Battery		Rotate Speed	Trim / Tilt Angle	Shaft Length	Control	Drive	Maximum static thrust	Gears	Tilt system	Waterproof level
1.2KW	1440Wh	36V	10.8kg	9.2kg	5A	20A	Yes		1750 rpm	0°, 5°, 10° 15°, 66°	551 (L)/430(S)mm	Tiller Handle	Brushless DC Motor Direct Drive	320N	F-N-R	Manual	IP67

4-STROKE OUTBOARD MOTORS

2.6 HP - 300HP EFI / Carburetor

A full range of water-cooled four-stroke engines from 2.6hp to 300hp, with a compact and lightweight design that delivers superior acceleration, excellent fuel economy and clean emissions. The high-power models are equipped with a high-performance fuel nozzle, which adopts EFI technology and ECU intelligent control, further enhancing its overall performance, including intelligence and starting performance. No matter what you do on the water, our advanced outboards, ranging from 2.6hp to 300hp, will meet your needs.



Highly integrated structure

The lightweight and small shell conceals massive power and acceleration.

Quieter operation

Exhaust exits through the propeller center hole for low noise and low vibration.

Outstanding fuel economy

Delivers the precise amount of fuel at the exact air/fuel ratio for the engine, thanks to Parsun's electronic fuel-injection control system.

Take care of your needs

The high output alternator provides additional starting power for your marine electronic equipment.

Optional driving mode

Tiller handle or remote control, per your driving preference.

Environmentally friendly motors

Ultra low emission, CE and EPA approved.



F300 4-STROKE OUTBOARD MOTORS

F300 is a high-power gasoline outboard motor with strong power and torque, suitable for both commercial and recreational purposes. In the commercial aspect, it provides higher thrust for watercraft, enabling high-speed and heavy-load operations to meet users' efficient operation needs. In the recreational aspect, the product features higher power and torque, delivering exciting speeds and thrilling experiences. Its advanced motor technology ensures higher fuel efficiency and emission performance, guaranteeing power and reliability for users' daily operations. The product's high power and economy are pioneering in the domestic market, incorporating an electric shifting structure and a newly developed ECU system to achieve intelligent and efficient operation.

ADVANTAGES

Higher Power and Torque

V6 type engine, bring a higher power of 300HP, and torque of 663N.m. Strong power contained in the engine, always spurt out as your demand. It will give you passionate experience of power.

Intelligent Digital Control System

A digital control system with high intelligence, could process data efficient and give a precious control command. It could control the operating of engine accurately, make sure every component could function according to design to achieve engine's high efficiency and durability. It will give a quick shift. There are plenty of protecting strategy in system, to make sure a convenient and secure operation. So that engine's service life could be extended.

Humanized Operation System

Highly accessible interaction interface between engine and human. Important signals are easy to read, and commands could be issued directly. Operation handle is made of high-quality material and conform to human engineering. It could give you more mastery. Optimized layout of Keys on the handle. And the control logic could cover every application. Control targets are clearer, and operation is much easier.

Higher Durability

Drive system made of high grade alloy steel, as well as heat-treated by advanced technics, which give full play to their high strength of the material. Products have a high durability, so that a longer lifetime.

Variant valve timing (VVT)

VVT system could vary engine inlet timing. Under the intelligent control, VVT could achieve more efficient combustion. This will optimize engine performance during low and middle speed, when Engine could give out high torque. So that the engine will achieve excellent performance and fuel economics during full operating range.

Apparent Design with a Great Beauty of Power

Apparent design projected the power of the engine. And the upright lines could emphasize the feeling of power and strength. Also the design won golden award of French Design Award as well as the silver award of American Good Design.



Tiller Handle



Digital Display

85HP-130HP EFI OUTBOARD MOTORS

As a high-power four-stroke outboard motor, the F85-F130 is suitable for larger boats, taking you further afield with more surging power. The remote-control system with electric start and electric tilt & trim device allows you to enjoy a carefree boating experience. Whether you're fishing, cruising with the family, or participating in another exciting water-related hobby, this is the best and most reliable choice for you.



 **POWERFUL**

 **INTELLIGENT**

 **EFFICIENT**



Left-rotation Propeller

Left-rotation propeller technology allows for better directional control and optimal power performance in multi-engine applications on one boat, because it can efficiently avoid the loss of speed caused by the water churning interference of the propeller.

Superb corrosion resistance

The F85-F130 has excellent seawater protection performance. The corrosion resistance and reliability of the machine are fully guaranteed by using the low copper alloy materials verified by Parsun and advanced anti-corrosion coating technology, using more stainless steel components and optimizing anode protection, combined with the fresh water flushing system.

Compact and efficient power head

This is an integrated, compact and efficient power head. The multi-point electronic fuel injection system with ECM control unit provides precise fuel to gas mixture ratio for optimal power performance and fuel economy.



Extra Long Shaft



Power Tilt&Trim Switch



Multi-function Display Touch Panel

30HP-60HP EFI OUTBOARD MOTORS

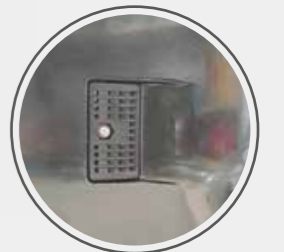
Its single overhead camshaft (SOHC) and 4-cylinder engine with eight valves aims for maximum power and efficiency, which can generate more torque and horsepower in a short period of time, while ensuring acceleration performance. PARSUN 30-60HP EFI outboard motors are powerful, reliable, and easy to operate. With a balance of performance and price, the 30-60HP are the first choice for family water recreation.



Super thrust gear case



Engine self-diagnosis APP



Bilateral water intake

Professional, reliable, durable, for commercial use

Taking full account of commercial operating conditions, a new control system is designed for high-intensity use, which increases the stability and service life of the engine. High-strength engine support system increases engine durability. The tiller handle is popular to fishermen.

EFI provides less emission and low fuel consumption

The electronic fuel injection system provides the engine with accurate fuel-gas mixture ratio which reduces fuel consumption.

Pleasant driving experience

The optional remote control system is equipped with an intelligent display instrument panel to provide the information you need, such as engine temperature, oil volume, fault alarm and other engine operating parameters.

Multi-function tiller handle

The handle functions are similar to the remote control box. It includes: Engine ignition switch, Emergency stop switch, Power tilt & trim switch, Throttle friction adjuster, Shift lever, Throttle control grip, LED warning indicators, and Warning buzzer.

2.6HP-20HP OUTBOARD MOTORS

F2.6-F20 are portable four-stroke outboard motors, boasting muscular performance despite being light in weight for their class. Whether fishing at a favorite point or taking a leisure weekend cruise, these outboard motors are a delight to use. Although they are small horsepower outboard motors, electronic fuel injection systems can be used to them to improve intelligence and fuel economy.

 PORTABLE

 RELIABLE

 VARIED



Convenient Refueling System

- Filling up engine oil separately, no need to mix engine oil and gasoline, more convenient to use.
- Built-in oil tank does not need to be installed separately and does not occupy the hull space.
- * Models below 6 horsepower



EFI as option

The application of EFI technology in small outboards provides a good choice for users to experience a more intelligent four stroke outboard motor with lower fuel consumption, and quieter.



2-STROKE OUTBOARD MOTORS



2 HP - 90HP / Carburetor

PARSUN 2-stroke outboard motors are embedded with innovative features and satisfactory performance. These outboards are available in a range of horsepower to fit a variety of applications. 2-stroke outboard motors are designed with your convenience in mind. PARSUN heavy-duty outboards series are designed and built to withstand the hard work of long continuous hours all day, and to meet the most demanding boaters who use the outboard motors for fishing.

Wide broad horsepower range

Outboards ranging from 2HP to 90HP, remote control and tiller handle control as option, will meet the needs of most users for personal entertainment or work boats.

Stable

Simple structure, stable performance, no need to worry about anchoring halfway.

Endurable

The selection of high-quality crankshaft, gearbox, high grade marine aluminum alloy enhances the durability of the engine.

Powerful

Due to its light weight, and simple structure, the two-stroke outboard has an excellent weight ratio, which also gives it higher acceleration, flexibility and surging power.

Shallow water drive

Tilt & trim device with shallow water drive, an extremely useful feature when tackling rivers, estuaries and creeks.

Safe

Safety lanyard with emergency shut off for all Parsun outboard motors.



You will benefit much from the handle or groove on the power head when you need to lift and move the motor.

50HP-90HP



As high-power two-stroke outboard engines, they are powerful with excellent acceleration, allowing you to fully experience the fun of water surfing. This series of outboards is the best choice, whether it is for personal fishing or family boat trips, or for commercial use as a work boat.

- High grade marine aluminum alloy for ultimate corrosion protection.
- Thermostat controlled water cooling system.
- Safety lanyard with emergency shut off.
- Hydraulic auxiliary lifting makes the outboards easy to operate even manually.
- External large capacity fuel tank for longer range.
- Optimized carburetor delivers great fuel economy, and smooth and responsive acceleration.

20HP-40HP

The series, from T20 to T40, is middle horsepower outboard motor and suits harsh conditions that include everyday use and situations involving long hours of continuous operation. They are developed mainly for commercial use. Reliable performance and acceptable price make them very popular with fishermen.

- The outboard can be set at a tilt angle, preventing it from hitting the bottom when operating in shallow water.
- Extremely durable crankshaft, long life piston/piston ring, sturdy gears and gear case for excellent reliability.
- Drain plug magnetized to collect any metallic particles in the gear oil to eliminate possible gear damage.
- Cylinder design which stands the endurance test and is proven to be powerful, efficient and reliable.
- CDI ignition system to provide automatic spark and maximum power.



2HP-18HP

The portable outboard engine is a nearshore boat propulsion system designed to meet the needs of personal aquatic recreation, and is suitable for inflatables, aluminum alloy boats, floating boats and other small boats.

Reliability and simple maintenance are its distinctive features.

- Lightweight and small size, convenient for transportation, carrying and storage.
- Simple structure makes it easy to maintain with low cost.
- Innovative CDI variable-angle ignition system for easy starting increases combustion efficiency to optimize the function and fuel economy.
- Built-in fuel tank, more convenient to use.



PARTS & ACCESSORIES

Multi-function touchscreen gauge

PARSUN offers a multi-functions digital 5.5" gauges which bring more convenience, flexibility and clear information for PARSUN E.F.I. outboard motors.



*For EFL outboard motors above 40HP as option

BASIC SETTING

- Date
- Language Selection
- Time Zone
- Metric/Imperial Units
- Brightness

INTERACTION

- Diagnostic Failure Codes
- Failure Records
- Failure Clearing
- Maintenance Interval

REGULAR FUCTIONS

- Engine Speed
- Trim Position
- Engine Temperature
- Oil Pressure
- Main Battery Voltage
- Boat Speed
- Engine Operating Hours
- Water temperature
- Fuel Level
- GPS

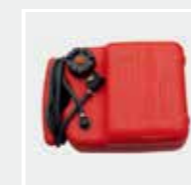
ALTER INDICATION

- Overheat
- Low Oil Pressure
- Low Voltage
- Exhaust Temperature
- Intake Manifold
- Intake Temperature
- Propeller Speed
- Atmospheric Pressure
- Throttle Position Sensor
- Idle Air Control Position
- Timing Advance

PARSUN SMART APP

This system includes a Bluetooth device and an APK software. You can get the APK from APPLE STORE for free by searching "PARSUN" or by searching "PARSUN SMART APP" in GOOGLE PLAY.

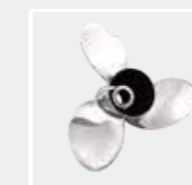
- The system supports fault self-diagnosis.
- Directly and quickly displays the working information and fault warning of the engine.
- Displays the working fault components of the engine.
- Integrated parts catalogue for 40/60/115HP.
- Available language: English and Chinese.



Fuel Tank



Fuel-water separator



Stainless Steel Propeller



Steering System



Multi-functions Tiller Handle

Notes on accessories

- Regular maintenance, inspection of wearing parts, timely repair and replacement.
- Be sure to use original and genuine parts.
- Parsun original parts have been strictly screened, all parts have been tested by Parsun and verified by professional manufacturers. Using original parts ensures perfect compatibility, maximum performance, and longest service life of the engine.
- In addition, failures caused by using non-original parts are not covered in the warranty policy of Parsun.

SPECIFICATIONS

Electric outboard motor

Model	Power	Standard Battery	Rated Voltage	Motor Weight	Battery Weight	Standard Charging Current	Fast Charging Current	External Battery		Rotate Speed	Trim / Tilt Angle	Shaft Length	Control	Drive	Maximum static thrust	Gears	Tilt system	Waterproof level
Joy6.0	6.0KW	8960Wh*1 Single 4096Wh*2 Twin	48V	35±1kg	88kg(8960Wh) 47kg(4096Wh Single)	50A	/	Yes		1550 rpm	Max 60°	570 (L)/442(S)mm	Tiller Handle Remote Control	Motor Direct Drive	1170N	F-N-R	Manual	IP67
Joy1.2	1.2KW	1440Wh	36V	10.8kg	9.2kg	5A	20A	Yes		1750 rpm		551 (L)/430(S)mm	Tiller Handle	Brushless DC Motor Direct Drive	320N	F-N-R	Manual	IP67

4-stroke Outboards

Series	F300	F130	F115	F85	F60	F40	F20A	F15A	F15	F9.9	F9.8	F8	F6A	F5	F4	F2.6
Specifications																
Models	F300FEX-T-EFI F300FEU-T-EFI F300FEE-T-EFI F300FEX-T-EFI-L F300FEU-T-EFI-L F300FEE-T-EFI-L	F130FEL-T-EFI F130FEX-T-EFI F130FEL-T-EFI-L F130FEX-T-EFI-L	F115FEL-T-EFI F115FEX-T-EFI F115FEL-T-EFI-L F115FEX-T-EFI-L	F85FEL-T-EFI F85FEX-T-EFI	F60BEL-D-EFI F60BEL-T-EFI F60FEL-T-EFI	F40BES-D-EFI F40BEL-D-EFI F40BES-T-EFI F40BEL-T-EFI F40FES-T-EFI F40FEL-T-EFI	F20ABML F20ABMS F20ABWL F20ABWS F20AFWL F20AFWS	F15ABML F15ABMS F15ABWL F15ABWS F15AFWL F15AFWS	F15BMS F15BML F15BWS F15BWL F15FWS F15FWL	F9.9BMS F9.9BML F9.9BWS F9.9BWL F9.9FWS F9.9FWL	F9.8BMS F9.8BML F9.8BWL F9.8BWS F9.8FWS F9.8FWL	F8BMS F8BML F8BWL F8BWS F8FWS F8FWL	F6ABMS F6ABML	F5BMS F5BML	F4BMS F4BML	F2.6BMS F2.6BML F2.6ABMS F2.6ABML
Max. Output Power (HP/KW)	300HP (220.6KW)	130HP (95.6KW)	115HP (84.6KW)	85HP (62.5KW)	60HP (44.1KW)	40HP (29.4KW)	20HP (14.7KW)	15HP (11KW)	15HP (11KW)	9.9HP (7.3KW)	9.8HP (7.2KW)	8HP (5.9KW)	6HP (4.4KW)	5HP (3.6KW)	4HP (2.9KW)	2.6HP (1.9KW)
Transom Height(in.)	25/30/35	20/25	20/25	20/25	20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20
Engine Type	V-6 (60°) ,DOHC	L4 DOHC	L4 DOHC	L4 DOHC	L4 SOHC	L3 SOHC	L2 SOHC	L2 SOHC	L2 SOHC	L2 SOHC	L2 SOHC	L2 SOHC	OHV	OHV	OHV	OHV
Displacement(cc)	4176	1832	1832	1832	996	747	362	362	323	323	209	209	148	112	112	72
Bore×Stroke(mm)	96.0×96.0	81.0×88.9	81.0×88.9	81.0×88.9	65.0×75.0	65.0×75.0	63.0×58.1	63.0×58.1	59.0×59.0	59.0×59.0	55.0×44.0	55.0×44.0	64.0×46.0	59.0×41.0	59.0×41.0	54.0×31.5
Ignition System	TCI	TCI	TCI	TCI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	TCI	TCI	TCI
Fuel Induction System	(Multipoint)EFI	EFI	EFI	EFI	EFI	EFI	Carburetor/EFI	Carburetor/EFI	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor/EFI	Carburetor	Carburetor	Carburetor
Max.RPM Range(r/min)	5000~6000	5300~6300	5300~6300	5300~6300	5000~6000	5000~6000	5000~6000	5000~6000	4500~5500	4500~5500	5000~6000	5000~6000	4500~5500	4000~5000	4000~5000	5250~5750
Idling RPM Range(r/min)	600~700	800~900	800~900	800~900	850~950	850~950	1000~1100	1000~1100	900~1000	900~1000	900~1000	900~1000	1050~1150	1500~1600	1500~1600	1550~1650
Steering System	External Hydraulic Steering Gear /Remote Control	Remote Control	Remote Control	Remote Control	Tiller/Remote Control	Tiller/Remote Control	Tiller/Remote Control	Tiller/Remote Control	Tiller/Remote Control	Tiller/Remote Control	Tiller/Remote Control	Tiller/Remote Control	Tiller	Tiller	Tiller	Tiller
Starting System	Electrical Starting	Electrical Starting	Electrical Starting	Electrical Starting	Electrical Starting	Electrical Starting	Electrical Starting/ Manual	Electrical Starting/ Manual	Electrical Starting/ Manual	Electrical Starting/ Manual	Electrical Starting/ Manual	Electrical Starting/ Manual	Manual	Manual	Manual	Manual
Gear Shift	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N
Gear Ratio	1.73:1	2.15	2.15	2.15	1.85	2.0	1.85/2.08	2.08	2.08	2.08	2.08	2.08	2.15	2.08	2.08	2.08
Trim and Tilt System	Electric	Electric	Electric	Electric	Gas Assist/Electric	Gas Assist/Electric	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Fuel Tank Capacity(L)	/	None	None	None	24	24	24	24	24	24	12	12	Built-in 1.3	Built-in 1.3	Built-in 1.3	Built-in 1.2
Max. Fuel Consumption(L/h)	105	44	38.9	30.5	20	13.8	6.9	5.4	5.3	3.5	3.4	2.8	2.3	2	1.6	1.1
Engine Oil Capacity (L)	6	3.0	3.0	3.0	2.5	1.7	1.6	1.6	1.0	1.0	0.8	0.8	0.6	0.5	0.5	0.35
Gear Oil Capacity(cc)	1.328	760	760	760	430	430	250/370	250	250	250	320	320	195	100	100	75
Rectifier Charging Capacity	12V, 55A	12V,27A	12V,27A	12V,27A	12V,25A	12V,25A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	None	None	None
Propeller (in.)	3-17	3-15"/17"	3-15" /17"	3-15" /17"	3-12"/13"	3-12"/13"	3-8"/10"/11"/12"	3-8"/10"/11"/12"	3-8"/10"/11"/12"	3-8"/10"/11"/12"	3-8.3"	3-8.3"	3-9"	3-7"	3-7"	3-5"
Weight(kg)	280	181/185	181/185	181/185	113-114.5	99.9-103	51.7-55.7	51.7-55.7	49-53	49-53	38-43	38-43	27/28	24.5/25.5	24.5/25.5	17/18

* The propeller should be selected according to the size and application of the boat.

SPECIFICATIONS

2-stroke Outboards

Specifications	Series																												
	T90	T85	T75	T60A	T50A	T40	T40J	T40G	T30A	T25	T20					TE15	T15	T9.9	T9.8	T8	T5.8	TC5	T5	TC3.6	T3.6	T2.5	T2.6C	T2	
Models	T90BML-D T90BMX-D T90BEL-D T90BEX-D T90FEL-T T90FEX-T	T85BML-D T85BMX-D T85BEL-D T85BEX-D T85FEL-T T85FEX-T	T75BML-D T75BMX-D T75BEL-D T75BEX-D T75FEL-T T75FEX-T	T60ABML-D T60ABWL-D T60AFWL-T	T50ABML T50ABWL-D T50AFWL-T	T40BMS T40BML T40FWS T40FWL T40BWS T40BWL T40FWS-T T40FWL-T	T40JBMS T40JBML T40JFWS T40JFWL T40JBWS T40JBWL	T40GBMS T40GBML T40GFWS T40GFWL T40GBWS T40GBWL	T30ABMS T30ABML T30AFWS T30AFWL T30ABWS T30ABWL	T25BMS T25BML T25FWS T25FWL T25BWS T25BWL	T20BMS T20BML T20FWS T20FWL T20BWS T20BWL						TE15BMS TE15BML	T15BMS T15BML	T9.9BMS T9.9BML	T9.8BMS T9.8BML	T8BMS T8BML	T5.8BMS T5.8BML	TC5BMS TC5BML	T5BMS T5BML	TC3.6BMS TC3.6BML	T3.6BMS T3.6BML	T2.5BMS T2.5BML	T2CBMS	T2BMS
Max. Output Power (HP/KW)	90HP (66.2KW)	85HP (62.5KW)	75HP (55.2KW)	60HP (44.1KW)	50HP (36.8kw)	40HP (29.4KW)	40HP (29.4KW)	40HP (29.4kw)	30HP (22KW)	25HP (18.4KW)	20HP (14.7KW)					15HP (11KW)	15HP (11KW)	9.9HP (7.3KW)	9.8HP (7.2KW)	8HP (5.9KW)	5.8HP (4.3KW)	5HP (3.6KW)	5HP (3.6KW)	3.6HP (2.64kw)	3.6HP (2.64kw)	2.5HP (1.8kw)	2.6HP (1.9KW)	2HP (1.5kw)	
Transom Height(in.)	20/25	20/25	20/25	20/22	20/22	15/20	15/20	15/20	15/20	15/20	15/20					15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15/20	15	15	
Engine Type	L3	L3	L3	L3	L3	L2	L2	L2	L2	L2	L2					L2	L2	L2	L2	L2	L1	L1	L1	L1	L1	L1	L1	L1	
Displacement(cc)	1141	1141	1141	849	849	703	669	669	496	496	496					246	246	246	169	169	102	102	102	74.6	74.6	74.6	50	50	
Bore × Stroke(mm)	82.0×72.0	82.0×72.0	82.0×72.0	72.0×69.5	72.0×69.5	80.0×70.0	78.0×70.0	78.0×70.0	72.0×61.0	72.0×61.0	72.0×61.0					56.0×50.0	56.0×50.0	56.0×50.0	50.0×43.1	50.0×43.0	55.0×43.0	55.0×43.0	55.0×43.0	47.0×43.0	47.0×43.0	47.0×43.0	42.0×36.0	42.0×36.0	
Ignition System	CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI					CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	CDI	TCI	TCI	TCI	TCI	TCI
Max.RPM Range(r/min)	4500~5500	4500~5500	4500~5500	4500~5500	4500~5500	4500~5500	4500~5500	4500~5500	4500~5500	4500~5500	4500~5500					4500~5500	4500~5500	4500~5500	5000~6000	4500~5500	4500~5500	4500~5500	4500~5500	4200~5300	4200~5300	3800~5200	4500~5500	4500~5500	
Idling RPM Range(r/min)	750~850	750~850	750~850	950~1050	950~1050	950~1050	1100~1200	1100~1200	1050~1150	1050~1150	1050~1150					1000~1100	950~1050	950~1050	1150~1250	1150~1250	1000~1100	1000~1100	1000~1100	1450~1550	1450~1550	1450~1550	1100~1200	1100~1200	
Fuel Induction System	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor					Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor
Steering System	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote	Tiller/ Remote					Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller	Tiller
Starting System	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual or Electric					Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Gear Shift	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R					F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N	F-N	F-N	F	F	
Gear Ratio	2.0	2.0	2.0	2.33	2.33	2.0	2.0	1.85	2.08	2.08	2.08					2.08	2.08	2.08	2.08	2.08	2.08	2.15	2.15	2.15	2.08	2.08	2.08	2.08	2.08
Trim and Tilt System	Gas Assist or Electric	Gas Assist/ Electric	Gas Assist/ Electric	Gas Assist/ Electric	Gas Assist/ Electric	Manual/ Electric	Manual	Manual	Manual	Manual	Manual					Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Fuel Tank Capacity(L)	24	24	24	24	24	24	24	24	24	24	24					24	24	24	12	12	built-in 2.7	built-in 2.7	built-in 2.7	built-in 1.5	built-in 1.5	built-in 1.5	built-in 1.2	built-in 1.2	
Max. Fuel Consumption(L/h)	37	35	34	25.5	21.5	20	20	20	12	11	9.4					7.7	7.9	5.1	5.1	4.3	3.1	2.6	2.6	1.8	1.8	1.4	1.5	1.3	
Lubrication System	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1					50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1
Gear Oil Capacity(cc)	610	610	610	610	610	430	315	315	320	320	320					250	250	250	320	320	195	100	195	75	100	100	45	45	
Rectifier Charging Capacity	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A	12V,7A					None	None	None	None	None	None	None	None	None	None	None	None	None	None
Propeller Options (in.)	3-13"/15"/17"			3-13"/15"/17"			3-12"/13"	3-12"/13"	3-11"	3-11"/12"	3-11"/12"	3-11"/12"				3-8"/10"/11"/12"			3-8.3"	3-8.3"	3-8"	3-6"/7"	3-8"	3-6"	3-6"/7"	3-6"/7"	3-5"	3-5"	
Weight(kg)	115-122	115-122	115-122	102-107	102-107	73.5-81.7	65-68.5	63.8-69.3	52-57.5	52-57.5	52-57.5					38/40	36/37.5	36/37.5	26/27	26/27	20/21	20/21	20/21	14.5/13.5	14.5/15.5	14.5/15.5	9.8	9.8	

* The propeller should be selected according to the size and application of the boat.