

PARSUN

OUTBOARD MOTOR

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





PARSUN

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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 engines, 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.

www.parsunpower.com

Our Vision

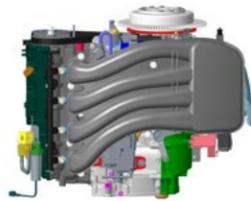
To become a world-class provider of marine power products.

Our Mission

To serve and satisfy our global customers by designing, producing and distributing the highest quality marine power products, spare parts and service available.



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 F6A/F20A/F40/F60/F85/F100/F115/F130



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.

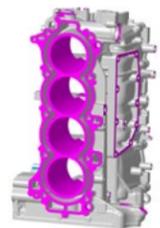
* For F85/F100/F115/F130



Independent intake and exhaust valve camshaft design

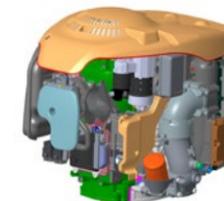
This design can improve the intake and exhaust efficiency, thus achieving higher engine performance. In addition, it can also reduce the carbon deposit of the engine and increase the service life of the engine*.

* For EFI outboard motors above 60 horsepower



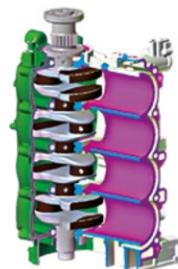
Engine without cylinder liner technology

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



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.



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 upward 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.



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*.

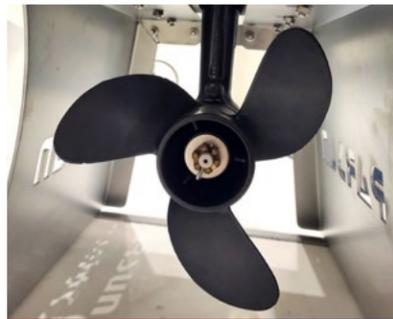
*Only for EFI outboard motors

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 to the outboard.



Thru-hub exhaust propellers

The exhaust gases pass through the lower unit torpedo and exit through the propeller hub. This design results in better boat planning performance and a much reduced noise level.



The groove on the top cover for easy operation

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



LED warning indicator

You can identify any machine fault immediately, because there will be a sound and an LED flashing light.



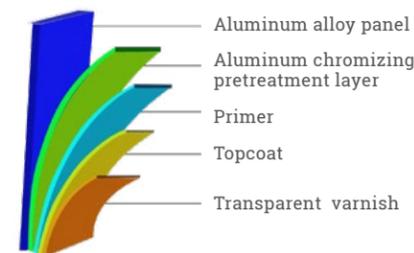
Magnetic oil drain plug

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



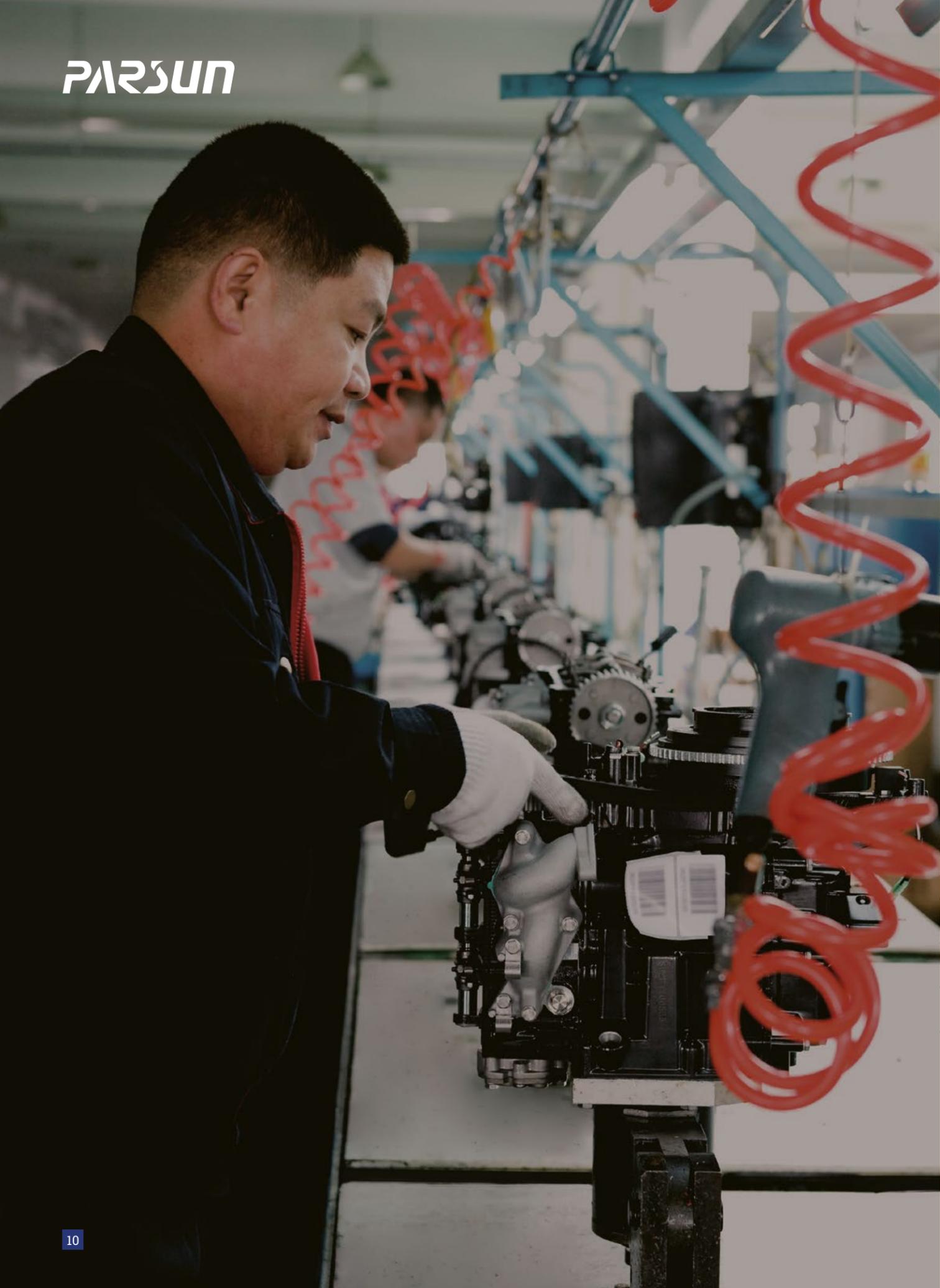
Multifunction tiller handle

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. The machine is perfectly adapted.



In line with ISO9001 & ISO14001



The skilled workers



EPA/CE approved



All products are tested before leaving the factory

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.

SPECIFICATIONS

Power	Standard Battery	Rated Voltage	Motor Weight*	Battery Weight	Standard Charging	Fast Charging	External Battery	Range	Propeller	Trim / Tilt Angle	Shaft Length	Control	Drive	Maximum static thrust	Gears	Tilt system	Waterproof level
1.2 kW (3HP equivalent)	1440Wh	36V	10.8 kg	9.2 kg	8 H	2 H	Yes	1 hr 12 mins @ rated power	2- 5.1" in	0°,5°,10° 15°,66°	17.0in.(S) 21.8in.(L)	Tiller Handle	Brushless DC Motor Direct Drive	320N	F-N-R	Manual	IP67

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.
- **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.

- **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:** Displays 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.
- **Background light display.**



4-STROKE OUTBOARD MOTORS

2.6 HP - 130HP

EFI / Carburetor

The four-stroke, dual-overhead-cam powerheads of the F2.6-F130 outboard motors deliver awesome acceleration, excellent fuel economy and clean emission. 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 130hp, 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 electric-fuel-injection control system.



Take care of your needs

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

Maximum exhilaration & pleasures

Manual or electric start with remote control, per your driving preference.

Environmentally friendly motors

Ultra low emission, CE and EPA approved.



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 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.



Extral Long Shaft



Power Tilt&Trim Switch



Multi-function Display Touch Panel

40HP-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 40-60HP EFI outboard motors are powerful, reliable, and easy to operate. With a balance of performance and price, the F40 is the first choice for family water recreation.



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.



Super thrust gear case



Engine self-diagnosis APP



Bilateral water intake

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.

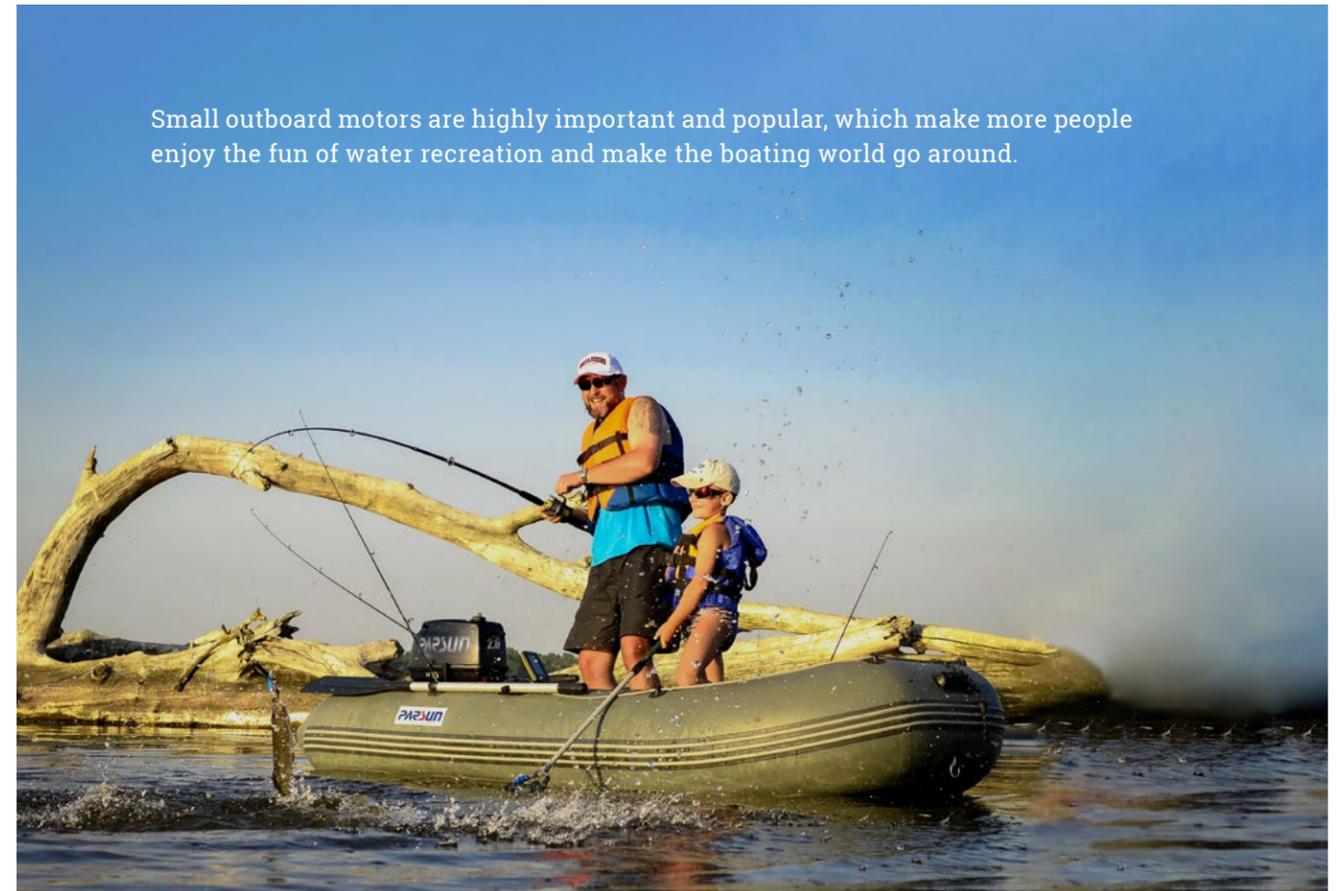
2.6HP-20HP OUTBOARD MOTORS

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 leisurely 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



Small outboard motors are highly important and popular, which make more people enjoy the fun of water recreation and make the boating world go around.



- 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 9.9 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, quiet operation.

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 when fishing.

Kinds of power specification

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 machine.



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 system 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.



2
stroke

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.
- Loop charging fuel intake delivers great fuel economy, and smooth and responsive acceleration.

2
stroke

20HP-40HP

The series, from T20 to T40, is middle a horsepower two-stroke 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.



2
stroke

2HP-15HP

The portable small two-stroke 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.

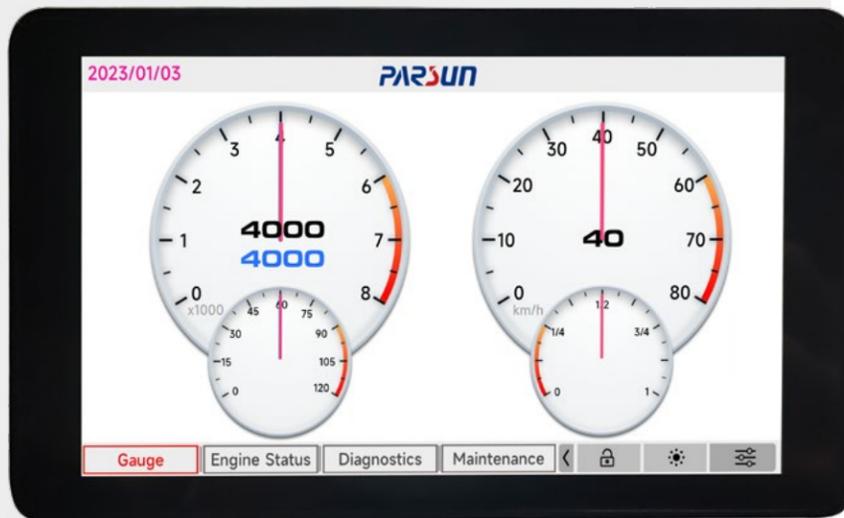


- Lightweight and small size, convenient for transportation, carrying and storage.
- Simple structure makes it easy to maintain with low cost.
- Innovative CDI variable-angle ignition system for easy starting increases combustion efficiency to optimize the function and fuel economy.
- Built-in oil tank,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

PARTS & ACCESSORIES

Multi-function touchscreen gauge

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



*For EFI outboard motors above 40-HP as option

REGULAR FUNCTIONS

- 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

BASIC SETTING

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

INTERACTION

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

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;
- The fault diagnosis system display includes English and Chinese.
- 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



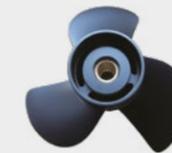
*Only for 40/60/115/130HP EFI OUTBOARD MOTOR



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

Power	Standard Battery	Rated Voltage	Motor Weight*	Battery Weight	Standard Charging	Fast Charging	External Battery	Range		Propeller	Trim / Tilt Angle	Shaft Length	Control	Drive	Maximum static thrust	Gears	Tilt system	Waterproof level
1.2 kW (3HP equivalent)	1440Wh	36V	10.8 kg	9.2 kg	8 H	2 H	Yes	1 hr 12 mins @ rated power		2- 5.1" in	0",5",10" 15",66"	17.0in.(S) 21.8in.(L)	Tiller Handle	Brushless DC Motor Direct Drive	320N	F-N-R	Manual	IP67

4-stroke Outboards

Specifications	Series																
	F130	F115	F85	F60	F40	F20A		F15A	F15	F9.9	F9.8	F8	F6A	F5	F4	F2.6	
Models	F130FEL-T F130FEX-T F130FEL-T-L F130FEX-T-L	F115FEL-T F115FEX-T F115FEL-T-L F115FEX-T-L	F85FEL-T F85FEX-T	F60BEL-D F60BEL-T F60FEL-T	F40BES-D F40BEL-D F40BES-T F40BEL-T F40FES-T F40FEL-T	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)	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.)	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	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)	1832	1832	1832	996	747	362		362	323	323	209	209	148	112	112	72	
Bore × Stroke(mm)	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	CDI	CDI	CDI		CDI	CDI	CDI	CDI	CDI	CDI	TCI	TCI	TCI	
Fuel Induction System	EFI	EFI	EFI	EFI	EFI	Carburetor/EFI		Carburetor/EFI	Carburetor	Carburetor	Carburetor	Carburetor	Carburetor/EFI	Carburetor	Carburetor	Carburetor	
Max.RPM Range(r/min)	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)	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	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	
Starting System	Electric	Electric	Electric	Electric	Electric/Manual	Electric/Manual		Electric/Manual	Electric/Manual	Electric/Manual	Electric/Manual	Electric/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	
Gear Ratio	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	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)	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)	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)	760	760	760	430	430	250/370		250	250	250	320	320	195	100	100	75	
Rectifier Charging Capacity	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.)	3-15"/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)	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	T2.5MBS T2.5MBL	T2.6C T2.6C	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	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
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
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
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	2.15	2.15	2.15	2.08	2.08	2.08	2.08	2.08
Trim and Tilt System	Gas Assist/ 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
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
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
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"		3-8"/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.



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