



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



Facebook



Twitter



Youtube

PARSUN

OUTBOARD MOTOR

DIESEL OUTBOARD | 4-STROKE GASOLINE OUTBOARD | 2-STROKE GASOLINE OUTBOARD | ELECTRIC OUTBOARD | TROLLING MOTOR

CONTENTS

01	Company Introduction	01	02	Diesel Outboard	11	03	4-stroke Gasoline Outboard	13
				2.1 150hp-200hp			3.1 200hp-300hp	
							3.2 85hp-130hp	
							3.3 30hp-60hp	
							3.4 2.6hp-20hp	
04	2-stroke Gasoline Outboard	23	05	Electric Outboard	27	06	Trolling Motor	31
	4.1 50hp-90hp			5.1 JOY6.0			6.1 TM120A	
	4.2 20hp-40hp			5.2 JOY1.2			6.2 TM120B	
	4.3 2hp-18hp							
07	Parts&Accessories	35	08	Specifications	37			



PARSUN

Established in 2004

with a sprawling facility exceeding 100,000 m²

*Dual Professional R&D Laboratories for
Fuel-powered and Electric-powered*

National Postdoctoral Research Station

R&D Laboratories with CNAS Certification



■ Global Sales and Service Network

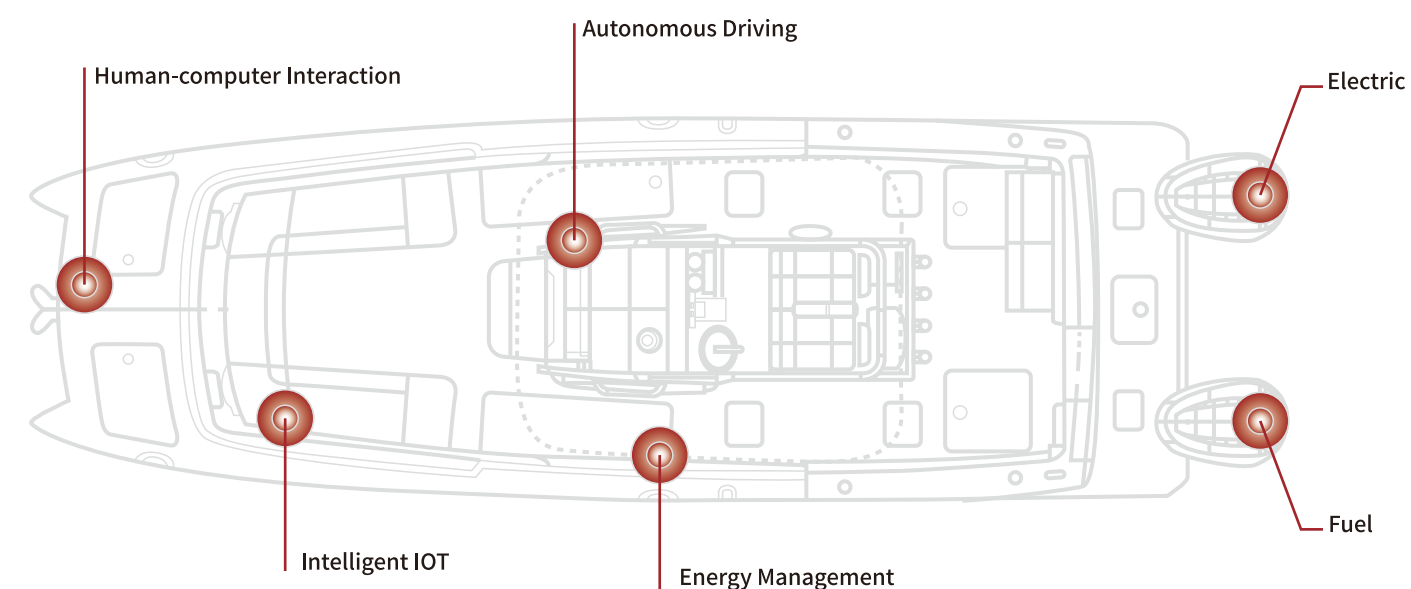
Manufacturing Base



PARSUN Suzhou Headquarters



Nanjing Sales Branch



DEVELPOMENT HISTORY

2004

Official establishment; commenced R&D and production of outboard motors

2012

Awarded "National High-Tech Enterprise" status

2017

Leading Domestic Peers, Launched 4-stroke EFI 60HP gasoline outboard

2020

Partnered with OXE Marine (Sweden); released first domestic 4-stroke 115HP outboard

2018

Launched 4-stroke EFI 6HP and 20HP outboards

2021

Awarded National-level "Little Giants of Specialized, Refined, Unique, and New Enterprises" title

2015

Wholly-owned subsidiary of Dongfang Precision (Stock Code: 002611); Launched 4-stroke EFI

2006

Became China's leading outboard brand by production and export volume

2022

Launched Joy1.2 electric outboard and 4-stroke 130HP gasoline outboard

2023

Launched Joy6.0 electric outboard

2024

Launched F300 series gasoline outboard, achieving a breakthrough in domestic high-power outboard

2025

Established new headquarters; Launched the first Trolling Motor

2026

Launched the D200 diesel outboard motor

Aspiring to be a world-class integrated service provider in marine power systems

VISION

ADVANCED TECHNOLOGY

Electronic Fuel Injection

As the heart of the outboard motor, the EFI system is primarily utilized in medium to high-power 4-stroke outboards. It effectively enhances intelligent control and delivers superior power performance. While significantly reducing fuel consumption and minimizing exhaust emissions.

*Applicable to F20A and above EFI model

Sleeveless Engine Technology

Offers lighter weight while extending the overall service life of the engine.

Counter-Rotation Propeller Design

In twin-engine applications, a configuration where the port engine rotates left and the starboard engine rotates right ensures optimal propulsive thrust. This effectively eliminates speed loss caused by water turbulence and propeller interference.

Engine Diagnostic System

Connects to the Engine Control Unit (ECU) via a Bluetooth device. Enabling users to monitor real-time operating data and perform fault diagnostics through a mobile app, this significantly simplifies after-sales service and operational maintenance.



EXPERIENCE



Built-in Freshwater Flushing System

Almost all PARSUN outboards are equipped with this feature, ensuring that cleaning the engine's cooling passages is simpler and more convenient.



Through-Propeller Hub Exhaust

Exhaust gases are discharged through the center hole of the propeller on the lower unit, which helps improve boat performance and reduces operating noise.



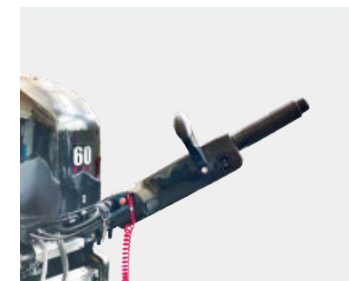
LED Warning Indicators

A fault alarm system is located on outboard. If a fault occurs during operation, the LED indicator will flash continuously and a buzzer will sound to alert the operator.



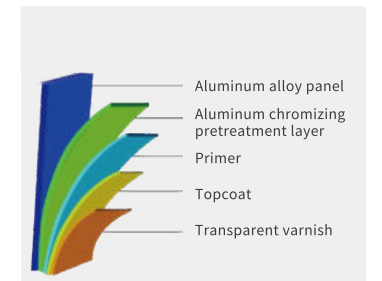
Magnetic Drain Plug

The magnetic drain plug attracts and traps metallic impurities in the engine oil. These impurities are removed along with the oil when the plug is opened during an oil change.



Multi-function Tiller Handle

This handle integrates the engine ignition, shifting, throttle control, emergency stop, and fault alarm systems. It allows users to control the outboard motor more easily and ensures a safer driving experience.



Marine-Grade Anti-Corrosion Protection

A five-layer coating system combined with multiple sacrificial anodes provides excellent corrosion resistance in diverse environments. This is a standard feature on PARSUN outboards, ensuring durability and a long service life.

Quality: The Confidence To Sail Further



Strictly adheres to ISO 9001/ISO 14001
quality management standards

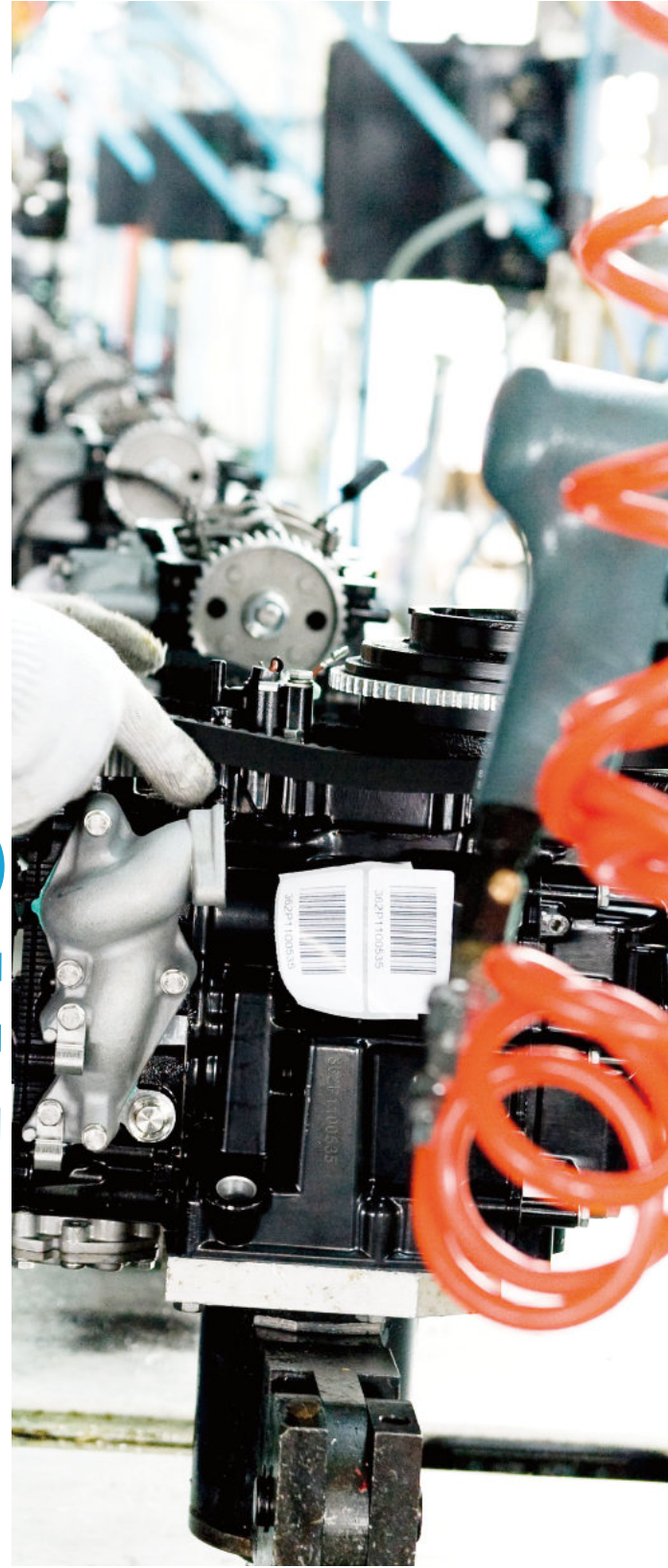


Certified by US EPA and EU CE standards



100% Factory Pre-testing

QUALITY



OUTBOARD MOTORS



DIESEL OUTBOARD

D200 Series

Commercial Power, The Reliable Choice

PARSUN Power proudly introduces its fully independently developed diesel outboard motor, covering 100-200 HP. Successfully filling the technological gap in China's high-power diesel outboards, it has achieved CCS certification, setting a new industry benchmark. With high fuel economy, robust output, and exceptional reliability, the D200 is ideal for fishing, passenger transport, freight, and patrol applications. Making it the ideal choice for commercial applications. It drives industry upgrades and supports the rise of China in the global marine power sector.



200HP DIESEL FOUR STROKE

Model	D200	D175	D150
Max. Output Power (HP/kW)	200HP 147kW	175HP 129kW	150HP 110kW
Transom Height(in.)	25/30/35		
Engine Type	L4 diesel, WGT turbocharged, intercooler, closed cooling circuit, heat exchanger / raw water		
Displacement(cc)	1996		
Bore*Stroke(mm)	83.0 X 92.0		
Ignition System	Compression ignition		
Fuel Injection System	Common rail direct injection		
Max. RPM Range (r/min)	4000		
Idling RPM Range (r/min)	800		
Gear Ratio	high-speed:1.64:1 high-thrust:2.36:1		
Trim and Tilt System	Power trim & tilt		
Max. Fuel Consumption(L)	43	36	31
Engine Oil Capacity(L)	6		
Alternator Output	12V,120A		
Weight(KG)	≈370		
Recommended type of diesel	0#/ULSD/EN590		



- Strong torque output, with peak torque increased by 57% compared to traditional gasoline engines; designed for heavy commercial use with ample power and rapid response.
- Extreme fuel economy, with operating costs reduced by 50% compared to gasoline engines, delivering significant cost advantages for long-term operations.
- Equipped with patented dual-gear ratio technology to easily adapt to various working conditions and scenarios, offering flexible and reliable performance.
- Intelligent control systems and HMI features make operation simpler and more intuitive, greatly improving work efficiency and user experience.

4-STROKE GASOLINE OUTBOARD

2.6 HP - 300 HP

Our comprehensive lineup of water-cooled 4-stroke engines, ranging from 2.6 HP to 300 HP, features a compact and lightweight design that delivers superior acceleration while achieving outstanding fuel economy and clean emissions. High-power models come standard with ECU-managed Electronic Fuel Injection (EFI) technology to further enhance intelligent control, ensure effortless starting, and boost overall performance; regardless of the operating environment, there is always a PARSUN outboard perfectly suited to meet your needs.



Highly Integrated Structure

Beneath the lightweight and compact cowling lies immense power and acceleration—the hallmark of PARSUN 4-stroke outboards.

Quiet Operation Mode

Exhaust is discharged through the propeller hub while running, effectively reducing engine noise.



4-STROKE GASOLINE OUTBOARD



Exceptional Fuel Economy

The Electronic Fuel Injection (EFI) system delivers a precise air-fuel ratio, reducing fuel consumption and minimizing carbon buildup.

High-Output Alternator

Provides high-capacity charging to ensure ample power for various precision marine electronics and accessories.

Dual control modes offer more options.

Both remote control and tiller handle models offer unique driving pleasure; choose the configuration that suits your preference.

International Environmental Certification

Fully compliant with U.S. EPA and EU CE emission standards.

F300 4-STROKE OUTBOARD MOTORS



F300 4-STROKE OUTBOARD MOTORS

F300 is a next-generation masterpiece, born from PARSUN’s decades of R&D expertise, covering a powerful range of 200HP to 300 HP. The F300 is defined by its high power output, superior fuel economy, and advanced intelligence. With its signature high power and massive torque, it delivers formidable thrust to your boat, ensuring an exhilarating and high-octane driving experience. It comes equipped with a sophisticated electronic control system and various variable configurations, including Variable Valve Timing (VVT). Its high level of intelligence caters to the personalized needs of users across diverse application scenarios. Whether for leisure or commercial use, the F300 perfectly balances the dual demands for raw power and optimized operating costs. Furthermore, the system provides an array of intelligent auxiliary and safety features, making your navigation simpler and more secure.



4-STROKE GASOLINE OUTBOARD



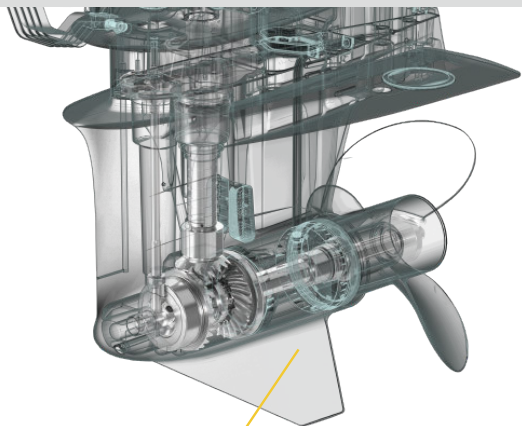
Remote Control Box



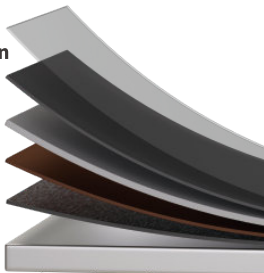
Digital Display



Higher Power and Torque



Multi-layer Corrosion Resistant Process



85-130HP 4-STROKE EFI OUTBOARD MOTORS



85-130HP 4-STROKE EFI OUTBOARD MOTORS

As high-power outboards, the F85-F130 models are ideal for larger boat, providing robust power to explore further horizons. Electric start and power trim&tilt, combined with a remote control system, allow users to handle the boat with ease and fully enjoy the thrill of driving. Whether for solo fishing, family cruising, or other water recreational activities, the F85-F130 series is an excellent choice.



4-STROKE GASOLINE OUTBOARD

Superior Anti-Corrosion Capability

F85-F130 series offers exceptional saltwater protection. Utilizing proven marine-grade anti-corrosion aluminum alloys, stainless steel components, and a five-layer coating system, the durability of PARSUN outboards is fully guaranteed. The application of multiple sacrificial anodes throughout the body further enhances the outboard motor anti-corrosion performance.

Compact & Efficient Powerhead

Featuring advanced PARSUN engine technology, it integrates an ECM-controlled Multi-Point Electronic Fuel Injection (EFI) system and a Double Overhead Camshaft (DOHC) design. This ensures powerful output while minimizing overall weight and dimensions.

Counter-Rotating Models

For twin-engine applications, the counter-rotating propeller design (left-hand for the port engine, right-hand for the starboard) ensures optimal thrust and eliminates speed loss caused by water interference between propellers.



Ultra Long Shaft



Power Trim & Tilt Switch



Multi-function Touchscreen Display



30-60HP 4-STROKE EFI OUTBOARD MOTORS



High-Thrust Gearbox



Engine Fault Diagnosis System



Dual Water Inlets



30-60HP 4-STROKE EFI OUTBOARD MOTORS

Featuring a SOHC (Single Overhead Camshaft) design with 3/4 cylinders and 6/8 valves, this engine structure delivers powerful torque and power in a short duration with faster acceleration, ensuring high-efficiency power output. Balancing price and performance, PARSUN 30-60HP EFI outboards are powerful, reliable, and easy to operate, making them the premier choice for family water recreation.



Lower Emissions and Reduced Fuel Consumption

The Electronic Fuel Injection (EFI) system provides a precise air-fuel mixture ratio, significantly reducing fuel consumption.

Pleasurable Driving Experience

The optional remote control system features an intelligent dashboard that clearly displays key operating parameters such as engine temperature, fuel level, and fault alarms at a glance.

Multi-Function Integrated Tiller Handle

The handle functions similarly to a remote control box, including: engine ignition switch, emergency stop switch, power tilt button, throttle, gear shift lever, and LED warning indicators.

2.6HP-20HP PORTABLE 4-STROKE OUTBOARD MOTORS



4-STROKE GASOLINE OUTBOARD

Convenient Refueling System

Separate oil filling eliminates the need for mixing oil and gasoline, making operation more convenient. The built-in fuel tank eliminates the need for external tank installation while saving valuable deck space (Applicable to models under 6HP).



2.6HP-20HP PORTABLE 4-STROKE OUTBOARD MOTORS

A compact and small-scale structure packed with formidable power. Whether heading to your favorite fishing spot or enjoying a weekend getaway, these 4-stroke outboards ensure a pleasant and smooth journey.



2-STROKE GASOLINE OUTBOARD MOTORS



2-STROKE GASOLINE OUTBOARD MOTORS 2-90HP Carbureted Models

PARSUN 2-stroke outboards feature innovative designs and satisfying performance, with a wide range of types and models to meet diverse customer needs. The PARSUN Commercial Series 2-stroke outboards are built to withstand long hours of continuous operation, specifically meeting the power demands of fishermen during their daily operations.



2-STROKE GASOLINE OUTBOARD



Versatile Specifications

Ranging from 2 to 90 HP, available in both remote control and tiller handle models. They meet the recreational needs of individual users and are also suitable for commercial workboats.

Long-Lasting Durability

PARSUN 2-stroke outboards utilize high-quality crankshafts, gearboxes, and premium marine-grade aluminum alloy components to enhance durability and extend the engine's service life.

Strong Power Output

With a lightweight body and simple engine structure, the power-to-weight ratio of these 2-stroke outboards delivers exceptional acceleration, flexible handling, and exhilarating power.

Shallow Water Drive

Equipped with a shallow water drive system featuring multiple tilt angles. This allows boat powered by PARSUN 2-stroke outboards to navigate smoothly through creeks and river estuaries without obstruction.

50HP-90HP

2-STROKE OUTBOARD MOTORS

This series delivers robust power and exceptional acceleration performance, allowing you to fully experience the thrill of water surfing, Whether for solo fishing, pleasure trips, or as a power source for workboats, this 2-stroke series is the ultimate choice.

- High-grade marine aluminum alloy provides outstanding anti-corrosion protection.
- Water cooling system with thermostat control.
- Safety lanyard with emergency stop function
- Hydraulic-assisted tilt system simplifies manual operation.



20HP-40HP

The T20-T40 series consists of mid-range horsepower 2-stroke outboard motors. Engineered for demanding environments, they excel in long-duration continuous operation and frequent daily use. Renowned for reliable performance and exceptional cost-effectiveness, this series is highly favored by professional fishermen.

- Multiple tilt positions to prevent bottoming out during shallow water navigation.
- Durable crankshafts, pistons, gears, and gearboxes forge outstanding reliability.
- The magnetic oil drain plug effectively captures impurities in the gear oil to protect the gears.
- Multi-layer anti-corrosion coatings and anode protection technology extend the service life during saltwater operations.

2HP-18HP

The T2-T18 series features portable, small-scale 2-stroke outboard motors, serving as ideal propulsion units for nearshore boats. Designed to meet personal water recreation needs, this series is perfectly suited for inflatable boats, aluminum alloy boats, pontoon boats, and other small boat. Reliable performance and simplified maintenance are its hallmark features.

- Lightweight and compact dimensions for effortless movement, transport, and storage
- Simple construction ensures low-cost maintenance and servicing.
- 2 to 5.8HP feature built-in fuel tanks for easier installation and operation.



ELECTRIC OUTBOARD MOTORS

ELECTRIC OUTBOARD



JOY6.0

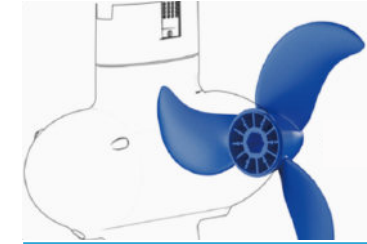
Performance

Power(W)	Speed(kph)	Power(W)	Speed(kph)
6000w	11.5	3000w	8.5
5000w	10.5	2000w	8.2
4000w	9.6	1000w	7.6

注:4.2米橡皮艇



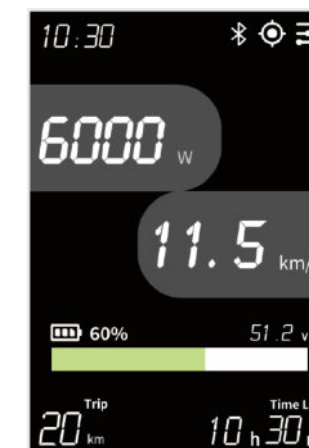
Water cooling system for motor and controller
Ensures reliable and long-lasting operation
Available in both remote control and tiller handle models



Engineered with innovative high-strength materials
for superior durability and lightweight performance



Bluetooth+smart App



Vibrant Color Touchscreen LCD
Enhanced Interactive Experience



Integrated Smart Display
Controller (High Integration)

Unique Innovation

- Available in both Remote Control and Tiller Handle models
- Aluminum alloy tiller handle, engineered for heavy-duty press-and-tilt operation
- Hydrogeneration functionality
- Higher-grade anti-corrosion treatment
- 48V operating voltage for maximum safety and reliability
- Direct-drive Brushless DC (BLDC) motor minimizes power loss and maximizes propulsion efficiency
- Built-in Bluetooth connects to a dedicated mobile APP for expanded control and monitoring

ADVANTAGES

JOY1.2

The Joy1.2 is a portable electric outboard motor designed for sailboats, dinghies, and other small boats. Direct-drive motor propeller ensures higher transmission efficiency and extended range.

ELECTRIC OUTBOARD MOTORS

Performance

Power(W)	Speed(kph)	Runtime(min)	Range(km)
1000w	8.7	72	10.4
2000w	8.3	86	12
800w	7.7	108	13.9
600w	6.9	144	16.6

*Test data is derived from PARSUN R&D laboratory, conducted on a 3-meter inflatable boat carrying two adult males in a calm river environment
Actual operating speed and range will vary depending on boat type, load, and hydrological conditions.



High-Efficiency Battery Performance

High-density rechargeable battery, lightweight at only 9.2kg; excellent battery durability, usable even in harsh conditions.

- 1440Wh Lithium Battery: High density and large capacity, supporting a longer range.
- Floating Design: The battery will automatically float even if it falls into the water.
- Multiple Charger Options: Standard charger, fast charger, and solar charger.
- Sleep Protection Function: If there is no operation within a set time, the battery will automatically enter sleep mode to save power and protect the battery.

Portable Design

- The entire unit is detachable; the battery and shaft can be packed separately, minimizing space requirements for easy transport and storage.
- Lightweight: The total unit weighs only 20kg.
- Compact Footprint: Detachable design for effortless carrying and transportation.
- Foldable Handle: Allows for rapid deployment and stowage.

Visualized Operation

- Digital LCD Display: Provides real-time status of the motor's operation.
- Magnetic Emergency Switch: Shuts down the motor in emergencies to ensure passenger safety.
- Stepless Speed Control: Delivers timely and smooth speed response.
- Backlight: Ensures a clearer screen display.



TROLLING MOTOR

- Flexible wiring installation on either side for convenience, suitable for more boat types and mounting positions.
- Scissor-style bracket allows for faster and simpler cable retraction.
- Advanced GPS technology for more precise positioning.
- Dual protection system to prevent wiring entanglement and tearing.
- Composite shaft features lightweight, high strength, and resistance to corrosion, wear, and fatigue.
- Powerful thrust with low noise operation.



TM120A

Specification

Rated Voltage Of Motor (VDC)	Maximum Current Of Motor(A)	Thrust(lbs)	Control Mode
24/36	50	80-120	Remote control/foot pedal
Power(W)	Axis Length(in)	Installation Method	Waters
1200/1600	50/65	bow	Freshwater/seawater



Intelligent Autonomous Positioning

Utilizing GPS+IMU+intelligent control algorithms, the boat can automatically adjust its position and attitude based on positioning, freeing your hands to focus on the fishing experience.



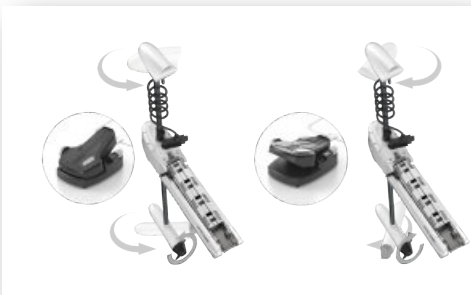
Easy Deployment

Foldable structure with auxiliary stow-and-deploy function for effortless setup and use.



Patented Steering Structure and Support Base

A unique steering gear architecture and reinforced support base design ensure the trolling motor remains stable and reliable even under extreme conditions. Furthermore, this design simplifies the installation and maintenance process, reducing operational costs. Innovative steering control provides more precise angles.



High Waterproof Rating and Anti-Tangle Technology

Innovative high-waterproof design combined with anti-tangle spring technology ensures superior performance in harsh marine conditions and extends the equipment's service life.



Supports multiple smart control functions.

Supports features including Electronic Anchor, Course Hold, Cruise Control, Momentary, and Continuous modes.

TROLLING MOTOR

- Synchronized angular rotation with high-precision, durable gearing.
- Advanced GPS technology for automatic position adjustment and effortless operation.
- Dual protection to prevent wiring entanglement and tearing.
- Composite shaft features lightweight, high strength, and resistance to corrosion, wear, and fatigue.
- Powerful thrust with whisper-quiet performance.
- Foot pedal or remote control options with versatile functions to meet diverse requirements.



TM120B

Specification

Rated Voltage Of Motor (VDC)	Maximum Current Of Motor(A)	Thrust(lbs)	Control Mode
12/24	50	55/90	Remote control/foot pedal
Power(W)	Axis Length(in)	Installation Method	Waters
600/1200	50/65/75/85	bow	Freshwater/seawater



TROLLING MOTOR

Reinforced Composite Main Shaft

Engineered with a high-strength, anti-fracture composite core and treated via a specialized process for maximum durability. We offer a Limited Lifetime Warranty, guaranteeing ultimate reliability in any conditions.

Dual Control Modes

Features Dual-Mode Operation supporting both wireless remote and foot pedal controls. Switch seamlessly to match your operating style and environmental needs.

Intelligent Anti-Tangle System

Integrated with synchronous gearing, Hall magnetic encoders, and IMU sensors to deliver automatic cable de-tangling. This system prevents cord twisting and ensures continuous, smooth rotation.

High-Precision GPS Navigation

Powered by an advanced GPS suite supporting Anchor Mode, track recording, and precise heading/speed adjustments. Managed via a wireless remote control with one-touch operation, it achieves autonomous cruising and positioning to assist in continuous target tracking and enhance operational efficiency

Multi-function Touchscreen Display:

PARSUN EFI outboards offer optional 5-inch, 5.5-inch, or 10-inch multi-function touchscreen displays, allowing users to quickly and clearly monitor the engine's operating status



PARTS&ACCESSORIES

REGULAR FUCTIONS

- Engine RPM.
- Tilt & Trim angle
- Engine temperature
- Engine oil level
- Battery voltage
- Boat speed
- Engine Operating Hours.
- Water Temperature.
- Fuel Level.
- GPS.

ALTER INDICATION

- Overheat.
- Low Oil Pressure.
- Low Voltage.
- High Exhaust Temperature.
- Intake Pressure.
- High Intake Temperature.
- Propeller RPM.
- Insufficient Atmospheric Pressure.
- Throttle Position Sensor.
- Idle Air Control Position.
- Timing

BASIC SETTING

- Date.
- Language.
- Time.
- Unit.
- Brightness.

INTERACTION

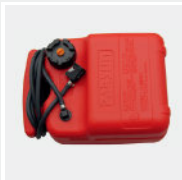
- Diagnostic Trouble Codes.
- Fault Records.
- Clear Faults.
- Maintenance Interval.

PARSUN Smart Diagnostic System

This system includes a Bluetooth device and a mobile app. Users can download and install the software by searching for "PARSUN" in the Apple Store or "PARSUN SMART APP" in the Google Store.



- It supports fault diagnosis by quickly displaying the engine's operating status and fault types, and can pinpoint faulty components.
- The system also includes a parts catalog for 40/60/115 HP models, with language options available in English or Chinese.



Fuel Tank



Fuel-Water Separator



Stainless Steel Propeller



Steering System



Multi-function Tiller Handle



Engine Oil



Gear Oil

Caution:

- Perform regular maintenance, inspect fast moving parts, and ensure timely repair or replacement. Always use genuine original parts.
- While others may look similar, they lack the same quality; PARSUN genuine parts undergo rigorous screening, technical testing, and practical validation, and are produced by professional manufacturers.
- Using genuine parts ensures peak performance and effectively extends the engine's service life.
- Additionally, any malfunctions caused by using non-genuine parts are not covered under PARSUN's warranty.

SPECIFICATIONS

DIESEL OUTBOARD

Model	Max. Output Power (HP/Kw)	Transom Height (in.)	Engine Type	Displacement (cc)	Bore*Stroke(mm)	Ignition System	Fuel Injection System	Max. RPM Range(r/min)	Idling RPM Range(r/min)	Steering System	Starting System	Gear Shift	Gear Ratio	Trim and Tilt System	Max. Fuel Consumption(L)	Engine Oil Capacity(L)	Belt box oil Capacity(cc)	Gear Oil Capacity(cc)	Alternator Output	Propeller Options (in.)	Weight(KG)	Recommended type of diesel
D200	200HP 147kW	25/30/35	L4 diesel, WGT turbocharged, intercooler, closed cooling circuit, heat exchanger / raw water	1996	83.0 X 92.0	Compression ignition	Common rail direct injection	4000	800	hydraulic steering/ remote control	Electric	F-N-R	high-speed:1.64:1 high-thrust:2.36:1	Power trim & tilt	43	6	1200	Upper unit: 2000 Lower unit: 1480(CW) / 1328(CCW)	12V,120A	3-161/4"×17"	≈370kg	0#/ULSD/EN590
D175	175HP 129kW														36							
D150	150HP 110kW														31							

4-STROKE GASOLINE OUTBOARD

Model	F300	F250	F200	F130	F115	F100	F90	F85	F60	F50	F60	F50	F40	F30	F20A/E	F15A/E	F15	F9.9	F9·8	F8	F6A	F5	F4	F2.6
Specifications																								
Models	F300FEX-T-EFI	F250FEX-T-EFI	F200FEX-T-EFI	F130FEL-T-EFI	F115FEL-T-EFI	F100FEL-T-EFI	F90FEL-T-EFI	F85FEL-T-EFI	F60BEL-CT-EFI	F50BEL-CT-EFI	F60BEL-D-EFI	F50BEL-D-EFI	F40BES-D-EFI	F30BES-D-EFI	F20A/E BML	F15A/E BML	F15BML	F9.9BML	F9.8BML	F8BML				F2.6BMS
	F300FEU-T-EFI	F250FEU-T-EFI	F200FEU-T-EFI	F130FEL-T-EFI	F115FEX-T-EFI	F100FEX-T-EFI	F90FEX-T-EFI	F85FEX-T-EFI	F60BEL-CT-EFI	F50BEL-CT-EFI	F60BEL-D-EFI	F50BEL-D-EFI	F40BEL-D-EFI	F30BEL-D-EFI	F20A/E BMS	F15A/E BMS	F15BMS	F9.9BMS	F9.8BMS	F8BMS				F2.6BML
	F300FEE-T-EFI	F250FEE-T-EFI	F200FEE-T-EFI	F130FEX-T-EFI-L	F115FEL-T-EFI-L	F100FEX-T-EFI-L	F90FEL-T-EFI-L	F85FEL-T-EFI-L	F60FEL-CT-EFI	F50FEL-CT-EFI	F60BEL-T-EFI	F50BEL-T-EFI	F40BES-T-EFI	F30BES-T-EFI	F20A/E BWL	F15A/E BWL	F15BWL	F9.9BWL	F9.8BWL	F8BWL	F6ABMS	F5BMS	F4BMS	F2.6ABMS
	F300FEX-T-EFI-L	F250FEX-T-EFI-L	F200FEX-T-EFI-L	F130FEL-T-EFI-L	F115FEL-T-EFI-L	F100FEX-T-EFI-L	F90FEL-T-EFI-L	F85FEL-T-EFI-L	F60FEL-CT-EFI	F50FEL-CT-EFI	F60BEL-T-EFI	F50BEL-T-EFI	F40BEL-T-EFI	F30BEL-T-EFI	F20A/E BWS	F15A/E BWS	F15BWS	F9.9BWS	F9.8BWS	F8BWS	F6ABML	F5BML	F4BML	F2.6ABMS
	F300FEU-T-EFI-L	F250FEU-T-EFI-L	F200FEU-T-EFI-L	F130FEX-T-EFI-L	F115FEX-T-EFI-L	F100FEX-T-EFI-L	F90FEX-T-EFI-L	F85FEX-T-EFI-L			F60FEL-T-EFI	F50FEL-T-EFI	F40FES-T-EFI	F30FES-T-EFI	F20A/E FWL	F15A/E FWL	F15FWL	F9.9FWL	F9.8FWL	F8FWL				F2.6ABML
F300FEE-T-EFI-L	F250FEE-T-EFI-L	F200FEE-T-EFI-L											F40FEL-T-EFI	F30FEL-T-EFI	F20A/E FWS	F15A/E FWS	F15FWS	F9.9FWS	F9.8FWS	F8FWS				
Max. Output Power (HP/kW)	300HP (220.6kW)	250HP (183.7kW)	200HP (147kW)	130HP (95.6kW)	115HP (84.6kW)	100HP (73.5kW)	90HP (66.2kW)	85HP (62.5kW)	60HP (44.1kW)	50HP (36.8kW)	60HP (44.1kW)	50HP (36.8kW)	40HP (29.4kW)	30HP (22.05kW)	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		20		15/20		15/20		15/20		15/20		15/20		15/20	
Engine Type	V-6(60°),DOHC(Intake VVT)			L4DOHC					L4SOHC		L4SOHC		L3SOHC		L2SOHC		L2SOHC		L2SOHC		OHV		OHV	
Displacement(cc)	4169			1832					996		996		747		362		323		209		148		112	
Bore*Stroke(mm)	96.0*96.0			81.0*88.9					65.0*75.0		65.0*75.0		65.0*75.0		63.0*58.1		59.0*59.0		55.0*44.0		64.0*46.0		59.0*41.0	
Ignition System	T.C.I			T.C.I					T.C.I		T.C.I		T.C.I		C.D.I/T.C.I		C.D.I		C.D.I		C.D.I		T.C.I	
Max. RPM Range (r/min)	5000-6000			5300-6300					5000-6000		5000-6000		5000-6000		5000-6000		4500-5500		5000-6000		4500-5500		4000-5000	
Idling RPM Range (r/min)	600-700			800-900					850-950		850-950		850-950		1000-1100		900-1000		900-1000		1450-1550		1500-1600	
Fuel Injection System	(multi-point) EFI			EFI					EFI		EFI		EFI		Carburetor/EFI		Carburetor		Carburetor		Carburetor		Carburetor	
Steering System	Hydraulic /Remote Control			Remote Control					Tiller/Remote Control		Tiller/Remote Control		Tiller/Remote Control		Tiller/Remote Control		Tiller/Remote Control		Tiller/Remote Control		Tiller		Tiller	
Starting System	Electric			Electric					Electric		Electric		Electric		Electric/Manual		Electric/Manual		Electric/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	
Gear Ratio	1.73			2.15					2.33		1.85		2		E - 1.85 / A - 2.08		2.08		2.08		2.15		2.08	
Trim and Tilt System	Electric			Electric					Electric		Gas-assist/Electric		Gas-assist/Electric		Manual		Manual		Manual		Manual		Manual	
Engine Oil Capacity(L)	/			/					24		24		24		24		24		12		Built-in1.3		Built-in1.3	
Max. Fuel Consumption (L/@5500rpm)	96.3	76	55.2	44	38.9	33.9	30.5	30	20	18.5	20	18.5	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)	6.0			3.0					2.5		2.5		1.7		1.6		1.0		0.8		0.6		0.5	
Gear Oil Capacity(cc)	CW:1480 CCW:1328			CW:760 CCW:715					610		430		430		A-250/E-370		250		320		195		100	
Max charging(A)	12V,55A			12V,27A					12V,25A		12V,25A		12V,25A		12V,7A		12V,7A		12V,7A		12V,7A		/	
Propeller Options(in.)	3-16¼"×17"			3-13 ¼"x17" or 3-13 ½"x15"					3-13⅞"x17" or 3-13 ½"x15" or 3-13⅝"×13"		3-11⅜"x12" or 3-11⅞"x13"		3-11⅞"x12" or 3-11⅞"x13"		3-9 ¼"x8"/10"/11"/12"		3-9 ¼"x8"/10"/11"/12"		3-8.9"×8.3"		3-7.8"×9"		3-7 ½"×7"	
Weight(KG)	280~290			181-185					113-114.5		113-114.5		99.9-103		51.7-55.7		49-53		38-43		27-28		24.5-25.5	

- How to choose the correct model?

Suffixes for different models.
B=Back control (Tiller control), F=Front control (Remote control)
M=Manual start, E=Electric start. W=Electric start + Manual start
S=Short shaft, L=Long shaft, X=Ultra-long
“-D”=Hydraulic elevator,“-T”=Electric tilt
For our 4-stroke 100hp, 115hp & 130hp.
“-L”=left rotation without “-L”=right rotation
- How to choose the shaft with S or L or X?

Pls choose the shaft size based on the transom height of your boat.
Transom height of boat: S=15"(in.)
Transom height of boat L=20"(in.)
Transom height of boat X=25"(in.)

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

SPECIFICATIONS

2-STROKE GASOLINE OUTBOARD

Model Specifications	T90	T85	T75	T60A	T50A	T40	T40J	T40G	T30A	T25	T20	T18	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-D 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	T18BMS T18BML T18FWS T18FWL	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	T2.6CBMS	T2CBMS	
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)	18HP (13.2kW)	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			20/22		15/20	15/20	15/20	15/20			17/22	15/20			15/20		15/20			15/20			15		
Engine Type	L3			L3		L2	L2	L2	L2			L2	L2			L2		L1			L1			L1		
Displacement(cc)	1141			849		703	669	669	496			294	246			169		102			74.6			50		
Bore*Stroke(mm)	82.0*72.0			72.0*69.5		80.0*70.0	78.0*70.0	78.0*70.0	72.0*61.0			60.0*52.0	56.0*50.0			50.0*43.0		55.0*43.0			47.0*43.0			42.0*36.0		
Ignition System	C.D.I			C.D.I		C.D.I	C.D.I	C.D.I	C.D.I			C.D.I	C.D.I			C.D.I		C.D.I			T.C.I			T.C.I		
Max. RPM Range (r/min)	4500-5500			4500-5500		4500-5500	4500-5500	4500-5500	4500-5500			5200-5800	4500-5500			5000-6000	4500-5500	4500-5500			4200-5300		3800-5200	4500-5500	4000-5000	
Idling RPM Range (r/min)	750-850			950-1050		950-1050	1100-1200	1100-1200	1050-1150			950-1050	1000-1100	950-1050		1150-1250		1000-1100			1450-1550			1100-1200		
Fuel Injection System	Carburetor			Carburetor		Carburetor	Carburetor	Carburetor	Carburetor			Carburetor	Carburetor			Carburetor		Carburetor			Carburetor			Carburetor		
Steering System	Tiller/Remote Control			Tiller/Remote Control		Tiller/ Remote Control	Tiller/ Remote Control	Tiller /Remote Control	Tiller/Remote Control			Tiller	Tiller			Tiller		Tiller			Tiller			Tiller		
Starting System	Manual/Electric			Manual/Electric		Manual/Electric	Manual/Electric	Manual/Electric	Manual/Electric			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		F		
Gear Ratio	2.0			2.33		2.0	2.0	1.85	2.08			1.85/2.15	2.08			2.08		2.08	2.15			2.08			2.08	
Trim and Tilt System	Gas-assist/Electric			Gas-assist/Electric		Gas-assist/Electric	Manual	Manual	Manual			Manual	Manual			Manual		Manual	Manual			Manual			Manual	
Fuel Tank(L)	24			24		24	24	24	24			24	24			12		12	Built-in2.7			Built-in1.5			Built-in1.2	
Max. Fuel Consumption (L)	37	35	34	25.5	21.5	20	20	20	12	11	9.4	9	7.7	7.9	5.1	5.1	4.3	3.1	2.6	2.6	1.8	1.4	1.5	1.3		
Lubrication system (gasoline: oil)	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		430	315	315	320			370	250			320		195	100	195	75	100	45			
Max charging(A)	12V;7A			12V;7A		12V;7A	12V;7A	12V;7A	12V;7A			/	/			/		/	/			/			/	
Propeller Options(in.)	3-13 ¹ / ₄ "×17" or 3-13 ⁵ / ₈ "×13"			3-13 ¹ / ₄ "×17" or 3-13 ¹ / ₂ "×15" or 3-13 ⁵ / ₈ "×13"		3-11 ³ / ₈ "x12" or 3-11 ¹ / ₈ "x13"		3-11 ¹ / ₂ "x11"	3-9 ⁷ / ₈ "x11 ¹ / ₄ " or 12"			3-9 ¹ / ₄ " × 9"	3-9 ¹ / ₄ "×8"or 10"or 11" or 12"			3-8.9"×8.3"		3-7.8"×8"	3-7 ¹ / ₂ "×7"or 3-7 ¹ / ₄ "×6"	3-7.8"×8"	3-7 ¹ / ₄ "×6"	3-7 ¹ / ₂ "×7"or 3-7 ¹ / ₄ "×6"	3-7 ¹ / ₄ "×5"			
Weight(KG)	115-122			102-107		73.5-81.7	65-68.5	63.8-69.3	52-57.5			41-42	38-40	36-37.5		26-27		20-21			14.5-15.5			9.8		

ELECTRIC OUTBOARD
TROLLING MOTOR

Model	Power	Standard battery	Rated voltage	Motor weight	Battery weight	Standard charging current	Fast charging current	Battery built-in				RPM	Tilt angle	Shaft length	Control mode	Drive	Max static thrust	Gear	Trim mode	Waterproof level
Joy6.0	6kW	8960Wh*1 - Single box use 4096Wh*2 - Parallel operation	48V	35±1KG	88KG(8960Wh) 47KG(4096Wh * 1)	50A	/	No				1550rpm	Max60°	570(L)/442(S)mm	Tiller control / Remote control	direct drive	1170N	F-N-R	Manual	IP67
Joy1.2	1.2kW	1440Wh	36V	10.8KG	9.2KG	5A	20A	Yes				1750rpm	0°,5°,10°,15°,66°	551(L)/330(S)mm	Tiller control	direct drive	320N	F-N-R	Manual	IP67

Model	Motor rated voltage(V)	Power(W)	Shaft length(in)	Thrust(lbs)	Weight(kg)	Spindle material	Motor type	Control Type	Retraction Type	Heading sensor	Remote control box	Foot pedal	Installation method	Noise	Anchoring function	Warranty	Anchoring accuracy	Jog operation	Long term operation	Infinite speed regulation	Fixed heading	Route record	Route operation	Route reversal	Cruise	MEGA DI/SI support	Expand fish exploration bracket
TM120A	36/24	1500(max1800) /1100(max1200)	50/65	120/80	33	Composite glass fiber	Brushed DC	Foot Pedal	Maximum Limit Position	Steel cable retraction	Integrated all-in-one speed reduction steering motor paired with high-precision metal gears for long-lasting durability	YES	Bow	<55dB	YES	2-year warranty, lifetime warranty on the shaft	1m	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TM120B	12/24	600/1200	50/65/75/85	55/90	25KG+ (Depending on the configuration)	Fiberglass (50,65in) Carbon Fiber (75,85in)	DC BRUSH	Remote control / foot pedal	Manual lifting +rotation	Optional	Standard	Damping electronic (optional)	Bow	<55dB	YES	2-year warranty, lifetime warranty on the shaft	1.5m	YES	YES	YES	YES	YES	YES	YES	YES	YES	