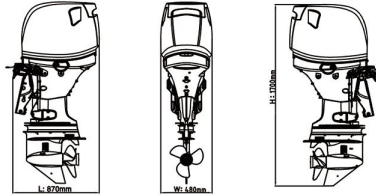


CSS证书 CSS CERTIFICATES



外形尺寸图 DIMENSIONAL DRAWING



OUTBOARD DIESEL ENGINE 柴油舷外机

华柴动力
HUACHAI POWER



柴油舷外机性能特点

DIESEL OUTBOARD MOTOR PERFORMANCE CHARACTERISTICS

经济性好 GOOD ECONOMY

燃油经济性在同类产品中首屈一指，降低了燃油成本约30%。最大限度延长了工作时间，降低了运营成本。
Fuel economy is second to none in its class, reducing fuel costs by around 30%. Maximized working hours and reduced operating costs.

安全性高 HIGH LEVEL OF SAFETY

柴油粘度比汽油大，不易蒸发，自燃温度比汽油高。汽油闪点-50℃~-20℃，柴油闪点在55℃以上。
High level of safety. Diesel has a greater viscosity than gasoline, is not easy to evaporate, and has a higher autoignition temperature than gasoline. The flash point of gasoline is -50° C--20° C, and the flash point of diesel is above 55° C.

动力性强 DYNAMIC

柴油舷外机低速扭矩更高，大扭矩转速区间更宽，加速更有劲，比较适合载重、拖拽。
The outboard diesel engine has higher low-speed torque, wider high-torque speed range, and more vigorous acceleration, which is more suitable for load and dragging.

环保性好 GOOD ENVIRONMENTAL PROTECTION

柴油舷外机排放产生的CO₂比汽油机低45%，一氧化碳与碳氢排放低，燃料燃烧更充分。
Diesel outboard motors produce 45% less CO₂ than gasoline engines, with lower carbon monoxide and hydrocarbon emissions, and more adequate fuel combustion.

燃料统一性好 GOOD FUEL UNIFORMITY

在舰船领域作为配船使用，满足燃料统一供给需求。
It is used as a distribution ship in the field of ships to meet the unified supply demand of fuel.

配套案例

SUPPORTING CASES



海南摆渡船 长8米 宽3米
Ferry boat in hainan, 8m long and 3m wide



小型旅游艇 长5米 宽2米
Small rescue boat, 5m long and 2m wide



应急救援舟 长5.98米 宽1.7米
Emergency rescue boat, 5.98m long and 1.7m wide



救援艇
长6.23米 宽2.3米
Rescue boat, 6.23m long and 2.3m wide

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柴油舷外机技术参数

TECHNICAL PARAMETERS OF OUTBOARD DIESEL ENGINE

序号	名称/NAME	内容/CONTENT
1	主要参数/MAIN PARAMETER	
1.1	柴油机形式 Form	直列式、3缸、4冲程、水冷、增压、直喷式柴油机 In-line, 3-cylinder, 4-stroke, water-cooled, supercharged, direct-injection diesel engine
1.2	供油方式 Fuel supply method	电控高压共轨 Electronically control high-voltage common rail
1.3	启动方式 Start mode	电启动 Electric start
1.4	缸径×行程 Bore × stroke	80mm×92mm
1.5	气缸总排量 Total cylinder displacement	1.39L
1.6	额定功率 Rated power	60HP (45kW)
1.7	额定转速 Rated speed	3850r/min
1.8	标定工况下燃油耗量 Fuel consumption under calibration conditions	≤12L/h
1.9	1m噪音(声压) 1m Noise (Sound Pressure)	≤110dB(A)
1.10	怠速 Idle Speed	950±50rpm
1.11	整机重量 Weight	≤175kg
1.12	整机尺寸(长×宽×高) Dimension (L×W×H)	≤870mm×480mm×1700mm
2	电器系统/ELECTRICAL SYSTEMS	
2.1	发电机功率 Generator power	200W/2kW
2.2	电脑系统所需电压 The voltage required for the electrical system	12V
2.3	蓄电池容量 Battery capacity	客户匹配的蓄电池最低容量80Ah The minimum capacity of the battery that the customer matches
3	托架装置/BACKET DEVICE	
3.1	艉板高度 Stern height	590mm
3.2	纵倾角 Trim angle	-4° ~20° (艉板为12° 12° for Ship Plate)
3.3	倾斜升起角度 Tilt Rising Angle	-2.8° ~67°
3.4	摆舵角度 Steering Angle	-35° ~+35°
4	驱动装置/DRIVING DEVICE	
4.1	换挡位置 Shift position	F_N_R (前进档 Forward F、空档 Neutral N、倒退档 Reverse R)
5	润滑系统/LUBRICATING SYSTEM	
5.1	使用润滑油料 Use lubricating oil	API: CF-4级及以上级别机油; 容量: 3.5~4L API: Grade CF-4 engine oil and above, capacity: 3.5~4L
5.2	齿轮油 Gear oil	GL-5 85W-90重负荷车辆齿轮油 Heavy duty vehicle gear oils. 容量 capacity: 610ml

柴油舷外机与汽油舷外机对比

OUTBOARD DIESEL ENGINE COMPARED TO OUTBOARD GASOLINE ENGINE

项目/ITEM	柴油机/DIESEL ENGINE	汽油机/GASOLINE ENGINE
安全性 Safety	不易燃爆, 燃料易储存 Non-flammable and easy to store	易燃爆 Flammable
经济性 Economy	更高的燃油效率和经济性 Greater fuel efficiency and economy	同等马力的燃油消耗比柴油舷外机高出约40% Fuel consumption of the same horsepower is about 40% higher than that of diesel outboards
耐用性 Durability	压缩比高于汽油机, 故汽缸和活塞连杆等零件都比汽油机更强化, 柴油机喷入燃料后, 燃烧时间长 The compression ratio is higher than that of gasoline engines, so parts such as cylinders and piston connecting rods are stronger than gasoline engines, and diesel engines have a long burning time after injecting fuel	
动力性 Power	低速扭矩更高, 大扭矩转速区间更宽, 扭矩储备大, 加速更快更有劲、载重、拖拽等高推力要求市场优势更加明显 Low speed torque is higher, large torque speed range is wider, torque reserve is large, acceleration is faster and more vigorous, load, drag and other high thrust requires more obvious market advantages	

型号解读

INTERPRETATION



柴油舷外机附件

DIESEL OUTBOARD ENGINE ACCESSORIES

