

Weichai WP10 series marine diesel engine (230-290kW)

Parameters Table

Type	Four-stroke, water cooled, in-line, turbocharged and intercooled	Number of cylinders	6
Cylinder Bore/stroke	126×130(mm)	Displacement	9.726L
Oil consumption rate	≤0.5g/kW·h	Noise	≤97dB (A)
Minimum fuel consumption rate	191g/kW·h	Idle speed	600±50r/min
Torque reserve	20-35%	Net weight	1070kg
Rotation direction of crankshaft (facing the flywheel end)	Counter-clockwise	Emission standard	IMO TIER II
Dimensions	Length × Width × Height 1482×981×1016 (mm)		

Model Portfolio Table

Series	Model	Air intake mode	Rated power kW/PS	Speed r/min	Fuel feeding mode	Emission level	Power classification
WP10	WP10C313-21E120	Turbocharged and intercooled	257/350	1800	HPCR	IMOII	P1
	WP10C350-18E120	Turbocharged and intercooled	230/313	2130	HPCR	IMOII	P1
	WP10C375-21E120	Turbocharged and intercooled	275/375	2100	HPCR	IMOII	P2
	WP10C395-22E120	Turbocharged and intercooled	290/395	2200	HPCR	IMOII	P3

Remark: Product parameters and model portfolio are for reference only. Please contact relevant personnel for official information on delivery time and fishing boat model portfolio.

Product description

Safe and reliable

- The high-strength design of structural parts such as engine block, piston and bearing bush ensures the reliability of diesel engine under high explosion pressure
- For turbocharger, starter, high-pressure oil pump and other important parts, global excellent suppliers are used
- Withstand the most stringent durability test and assessment; ensure the reliability of key parts and components; and the overhaul period of the whole engine is over 20000h
- Perfect self-diagnosis system, perfect failure protection mode, and safe control strategy

Strong power

- Accurate control by electronic control units, high injection pressure, small fluctuation of rotating speed, and strong power
- Low-speed and high-torque design with the torque reserve of 20%-35%, quick response, and fast speed increase

Economical and fuel-efficient

- The fuel injection law is optimized, the fuel injection pressure, fuel injection quantity and fuel injection time are accurately controlled, the fuel is fully atomized, and the minimum fuel consumption rate is 191g/kW•h

Comfortable and environmentally friendly

- It can realize multiple injections such as pre-injection and post-injection, and the noise and vibration are reduced by 20% compared with the mechanical pump system
- Water jacket exhaust pipe and water jacket exhaust tail pipe are used to reduce engine compartment temperature
- IMOII ship emission standards are met

Strong practicability

- LCD Internet instruments, vibration isolators, and hand-pressed oil well pumps can be equipped to meet the requirements of different customers
- Horizontal air filter and rear turbocharger reduce the height of the whole engine and facilitate the layout of the engine compartment
- Different control strategies are adjusted according to different performance requirements
- Receive/output various control signals, which meet the requirements of automation control