

Weichai WD12 series marine diesel engine (220-294kW)

Parameters Table

Type	Four-stroke, water cooled, in-line, turbocharged and intercooled	Number of cylinders	6
Cylinder Bore/stroke	126×155(mm)	Displacement	11.596L
Oil consumption rate	≤0.6g/kW·h	Noise	≤100dB (A)
Minimum fuel consumption rate	212g/kW·h	Idle speed	650±30r/min
Torque reserve	20-35%	Rotation direction of crankshaft (facing the flywheel end)	Counter-clockwise
Dimensions	Length × Width × Height/net weight 1534×807×1512 (mm) /1100kg		

Model Portfolio Table

Series	Model	Air intake mode	Rated power kW/PS	Speed r/min	Fuel feeding mode	Emission level	Power classification
WD12	WD12C300-15	Turbocharged and intercooled	220/300	1500	Mechanical pump	IMOII	P1
	WD12C327-15	Turbocharged and intercooled	240/327	1500	Mechanical pump	IMOII	P1
	WD12C350-18	Turbocharged and intercooled	258/350	1800	Mechanical pump	IMOII	P1
	WD12C375-21	Turbocharged and intercooled	275/375	2150	Mechanical pump	IMOII	P1
	WD12C400-21	Turbocharged and intercooled	294/400	2150	Mechanical pump	IMOII	P1

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 frame type main bearing structure; high rigidity; high safety performance index
- The internal and external double-circulation water cooling method is adopted, and the water jacket exhaust pipe can be selected, so as to prolong the service life of the diesel engine, and the overhaul period is 20000h

Strong power

- Large power reserve; torque reserve reaches 20%-35%
- The configuration of high-pressure oil pump, turbocharger, and fuel injector is optimized; the acceleration of ships is quick; the navigation speed is high

Economical and fuel-efficient

- The intake and fuel supply system is optimized, which broadens the economic operation range of the diesel engine
- The fuel consumption is low under normal working conditions, and the minimum fuel consumption is 195g/kW•h.

Comfortable and environmentally friendly

- Strengthen the design of key components, so that the products are featured by small vibration and low noise
- IMOII ship emission standards are met

Strong practicability

- LCD Internet instrument can be selected to monitor the speed, water temperature, oil temperature and pressure of diesel engine in real time, so as to achieve timely automatic alarm and stop when the parameters exceed the limit values
- Stormy wave mode is added to ensure that the ship engine will not stop at critical moments such as stormy waves
- There is a large amount of the products in the market, and the reserve of spare parts is sufficient, which make maintenance convenient