

Weichai WP4 series marine diesel engine (60-95kW)

Parameters Table

Type	Four-stroke, water cooled, in-line, turbocharged/turbocharged and intercooled	Number of cylinders	4
Cylinder Bore/stroke	105×130(mm)	Displacement	4.5L
Oil consumption rate	≤0.2g/kW·h	Noise	≤100dB (A)
Minimum fuelconsumption rate	195g/kW·h	Idle speed	650±30r/min
Rotation directionof crankshaft (facing the flywheel end)	Counter-clockwise	Net weight	600kg
Dimensions	Length × Width × Height 1065×819×1056 (mm)		

Model Portfolio Table

Series	Model	Air intake mode	Rated power kW/ Ps	Speed r/min	Fuel feeding mode	Emission level	Power classification
WP4	WP4C82-15	Turbocharged	60/82	1500	Mechanical pump	—	P1
	WP4C95-18	Turbocharged	70/95	1800	Mechanical pump	—	P1
	WP4C102-21	Turbocharged	75/102	2100	Mechanical pump	—	P1
	WP4C102-15	Turbocharged and intercooled	75/102	1500	Mechanical pump	—	P1
	WP4C120-18	Turbocharged and intercooled	88/120	1800	Mechanical pump	—	P1
	WP4C130-21	Turbocharged and intercooled	95/130	2100	Mechanical pump	—	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 overhaul period of high-strength engine block, crankshaft, connecting rod and cylinder head is 12000h
- The high-quality suppliers of Weichai system are used. It is developed according to the high requirements of large displacement engines for reliability
- Rigorous and perfect test methods ensure the reliability of key parts and components

Strong power

- The torque reserve is as high as 20%-35%, the range of large torque section is wide, and the ships equipped with the engine will have good acceleration

Economical and fuel-efficient

- Reasonable allocation of oil pump, turbocharger, air intake and exhaust system; low oil consumption under common working conditions; good economical nature
- With shallow ω combustion chamber, the best cylinder clearance and swirl ratio, the fuel consumption rate is as low as 195g/kW·h

Comfortable and environmentally friendly

- The NVH optimization for the whole engine effectively reduces vibration and noise
- There is no IMO emission requirement

Strong practicability

- LCD Internet instrument can be selected to monitor engine operating parameters in real time, so as to realize automatic alarm and stop
- It is suitable for marine engines such as passenger ships, cargo ships, public service ships, fishing boats and tourist ships