

Weichai WP4.1 series marine diesel engine (40-60kW)

Parameters Table

Type	Four-stroke, water cooled, in-line, turbocharged	Number of cylinders	4
Cylinder Bore/stroke	105×118(mm)	Displacement	4.09L
Oil consumption rate	≤0.6g/kW·h	Noise	≤92dB (A)
Minimum fuel consumption rate	212g/kW·h	Idle speed	650±30r/min
Rotation direction of crankshaft (facing the flywheel end)	Counter- clockwise	Net weight	400kg
Dimensions	Length × Width × Height 1062×625×918 (mm)		

Model Portfolio Table

Series	Model	Air intake mode	Rated power kW/P s	Speed r/min	Fuel feeding	Emissio n level	Power classificatio n
WP4.1	WP4.1C54-15	Turbocharge d	40/54	1500	Mechanica l pump	-	P1
	WP4.1C68-15	Turbocharge d	50/68	1500	Mechanica l pump	-	P1
	WP4.1C82-18	Turbocharge d	60/82	1800	Mechanica l 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
- 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 212g/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