

Weichai WP6 series marine diesel engine (105-168kW)

Parameters Table

Type	Four-stroke, water cooled, in-line, turbocharged/turbocharged and intercooled	Number of cylinders	6
Cylinder Bore/stroke	105×130(mm)	Displacement	6.75L
Oil consumption rate	≤0.2g/kW·h	Noise	≤98dB (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	Turbocharged 1360×890×1054 (mm) 700kg		
Length × Width × Height/net weight	Turbocharged and intercooled 1360×890×1054 (mm) 750kg		

Model Portfolio Table

Series	Model	Air intake mode	Rated power kW/PS	Speed r/min	Fuel feeding mode	Emission level	Power classification
WP6	WP6C1 40-23	Turbocharged	103/140	2300	Mechanical pump	-	P1
	WP6C1 42-18	Turbocharged	105/142	1800	Mechanical pump	-	P1
	WP6C1 56-21	Turbocharged	115/156	2100	Mechanical pump	-	P1
	WP6C1 63-23	Turbocharged	120/163	2300	Mechanical pump	-	P1
	WP6C1 50-15	Turbocharged and intercooled	110/150	1500	Mechanical pump	-	P1
	WP6C1 65-18	Turbocharged and intercooled	122/165	1800	Mechanical pump	-	P1
	WP6C1 85-21	Turbocharged and intercooled	136/185	2100	Mechanical pump	IMOII	P1

WP6C2 20-23	Turbocharged and intercooled	162/2 20	2300	Mechanical pump	IMOII	P1
WP6C2 50-23	Turbocharged and intercooled	168/2 28	2230	Mechanical pump	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 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
- IMO II emission requirements are met

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