

Weichai WP4.1N series marine diesel engine (88-140kW)

Parameters Table

Type	Four-stroke, water cooled, in-line, turbocharged and intercooled	Number of cylinders	4
Cylinder Bore/stroke	105×118(mm)	Displacement	4.088L
Oil consumption rate	≤0.1g/kW·h	Noise	≤92dB (A)
Minimum fuel consumption rate	198g/kW·h	Idle speed	700r/min
Rotation direction of crankshaft (facing the flywheel end)	Counter-clockwise	Net weight	480kg
Dimensions	Length × Width × Height 960×700×850 (mm)		

Model Portfolio Table

Series	Model	Air intake mode	Rated power kW/PS	Speed r/min	Fuel feeding	Emission level	Power classification
WP4.1N*	WP4.1NC120-18E220	Turbocharged and intercooled	88/120	1800	HPCR	-	P1
	WP4.1NC130-21E220	Turbocharged and intercooled	95/130	2100	HPCR	-	P1
	WP4.1NC142-18E220	Turbocharged and intercooled	105/142	1800	HPCR	-	P1
	WP4.1NC163-21E220	Turbocharged and intercooled	120/163	2100	HPCR	-	P1
	WP4.1NC190-26E220	Turbocharged and intercooled	140/190	2600	HPCR	IMOII	P3

Remark: The delivery date of products marked with * shall be subject to the reply of the manufacturer. 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

- Torque reserve 20%-35%
- Minimum fuel consumption 200g/kW.h
- Overhaul period of 12000 h
- Emissions meet IMOII

Safe and reliable

- Body, cylinder head, piston, bearing and other structural parts of the new design, Weichai Rui power base production
- Using the global excellent supplier system of Weichai, the quality of parts is reliable
- Dust-free, constant temperature assembly workshop, high precision test bench

Strong power

- High torque in medium and low speed range, continuous output and strong power
- Precise control by electronic control unit, high injection pressure and superior acceleration performance
- 50% rated speed can reach 132% rated torque

Economical and fuel-efficient

- Adopt high pressure common rail technology, use Bosch fuel system, Weichai independent ECU, precise control of fuel injection volume
- Minimum fuel consumption rate 200g/kW•h
- Oil replacement cycle ≥ 500 h

Comfortable and environmentally friendly

- NVH optimization match, low noise
- Gear chamber cover, cylinder cover, closed flywheel housing noise reduction design, reduce noise leakage
- Using electric control multiple injection, greatly reduce vibration and noise
- Emissions meet the requirements of IMOII

Strong applicability

- Optional vibration isolation pad, hand pressure pump and other configurations to meet the needs of different customers
- Adjust different control strategies according to different performance requirements
- Receive/output a variety of control signals to meet the requirements of automatic control