

P-Drive Engine- WP4 Series

General Specifications

Bore & Stroke	105×130 mm
Displacement	4.5 L
Cylinder Number	6
Compression ratio	18:1
Fuel System	Mechanical Pump
Aspiration	T/TA



Model	Rated Power/Speed	Max Torque/Speed
	kW/r/min	N/m/r/min
WP4B36E200	36/1500	265/(1200~1400)
WP4B50E200	50/1500	370/(1200~1400)
WP4B70E200	70/1500	515/1200
WP4B90E200	90/1500	630/1300
WP4B36E201	36/1800	220/(1500~1700)

Model	Rated Power/Speed	Max Torque/Speed
	kW/r/min	N/m/r/min
WP4B50E201	50/1800	305/(1500~1700)
WP4B60E201	60/1800	370/1400
WP4B70E201	70/1800	430/1500
WP4B90E201	90/1800	585/1500
WP4B105E201	105/1800	620/1500

Standard Equipment

Engine and block

- Cast iron gantry type structure block
- One-piece forged crankshaft
- Separate cast iron cylinder heads and wet liners
- Aluminium alloy pistons with gallery oil cooling

Cooling system

- Radiator and hoses supplied separately
- Thermostatically-controlled system with belt driven coolant pump and pusher fan

Lubrication system

- Flat bottom large capacity oil pan (10 L)
- Spin-on full-flow lube oil filter
- Special design connector for oil heater and drawing off oil pump

Fuel system

- P type fuel injection pump and injector for higher inject pressure
- Duplex fine filter and large capacity pre-filter for better efficiency

Air intake and exhaust system

- Turbocharger; Shutoff solenoid mounted on the fuel pump;
- Special rear mounted air filter with restriction indicator
- High performance silencer as standard
- Stainless steel exhaust manifold cover for heat isolating

Electrical system

- 24V electric starter motors and battery charging alternator
- Standard sensor connector

Flywheel and housing

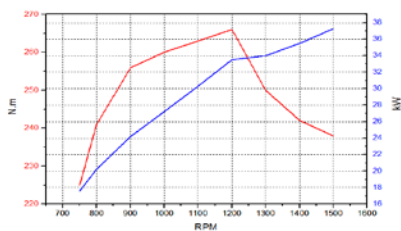
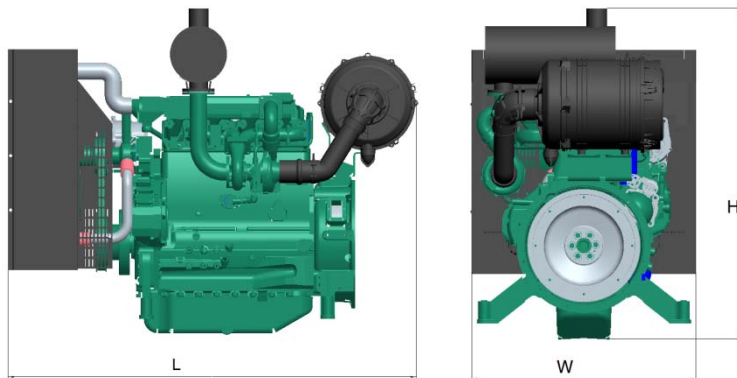
- SAE3 flywheel housing and 11.5" flywheel

Optional Equipment

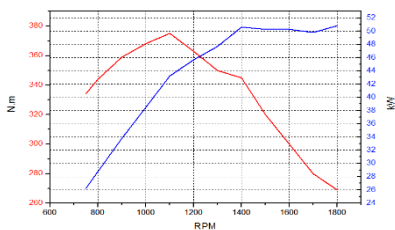
- Radiator for tropical environment (50°C)
- Water separated filter
- Immersion heater with thermostat
- Air heater for cold start
- Tool Kits
- Manual drawing off oil pump

Dimensions and Weight

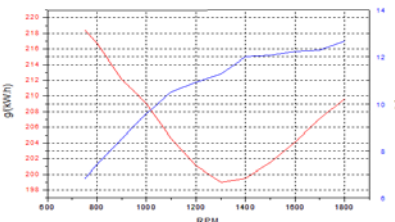
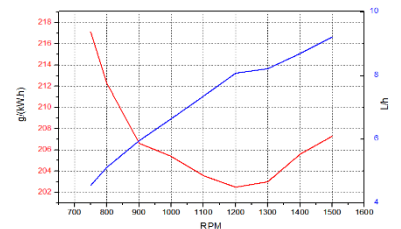
Length	1431 mm
Width	774 mm
Height	1136 mm
Weight	550 kg



WP4B36E200



WP4B50E201



Power definition

Standard ISO 3046/1 -1995(F)

Reference conditions

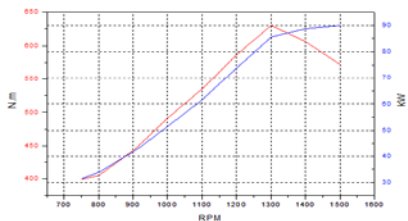
Ambiant temperature	25 °C
Barometric pressure	100 kPa
Relative humidity	30%

Fuel oil

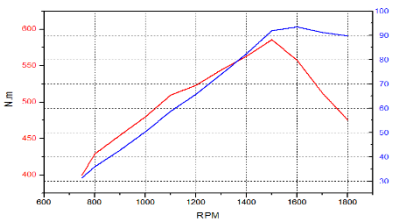
Relative density	0.840± 0.005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	± 5 %

Lube oil

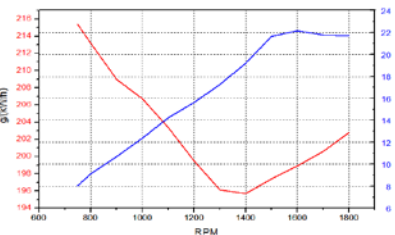
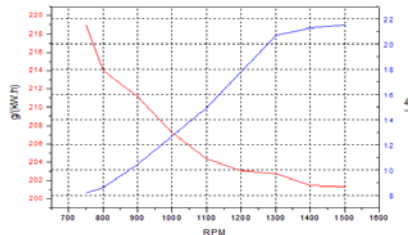
Recommend grade	CF 15W/40
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WP4B90E200



WP4B90E201



Distributed By:

Manufacturer: Weichai Power Co., Ltd
 Address: 197 A, Fushou East Street, High-Tech
 Development Zone, Weifang, China
www.weichai.com

