

## P-Drive Engine- WP13 Series

### General Specifications

Bore & Stroke	127×165 mm
Displacement	12.54 L
Cylinder Number	6
Compression ratio	16:1
Fuel System	Mechanical Pump
Aspiration	TA



Model	Rated Power/Speed	Max Torque/Speed
	kW/r/min	N/m/r/min
WP13B310E200	310/1500	2182/1300
WP13B350E200	350/1500	2300/1400

Model	Rated Power/Speed	Max Torque/Speed
	kW/r/min	N/m/r/min
WP13B350E201	350/1800	2154/1500

### Standard Equipment

#### Engine and block

- Cast iron frame style body structure
- One-piece forged crankshaft
- Split-cap forged steel connecting rods
- Separate cast iron cylinder heads with 4 valves
- Replaceable dry cylinder liners
- Aluminium alloy pistons with gallery oil cooling

#### Cooling system

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

#### Lubrication system

- Flat bottom large capacity oil pan (30 L)
- Spin-on full-flow lub oil filter

#### Fuel system

- P type fuel injection pump and injector for higher inject pressure
- Duplex fine filter and Water separated filter assembly with the transparent cup

#### Air intake and exhaust system

- Mid-position and below inlet turbocharger, Shutoff solenoid
- Special rear mounted air filter with restriction indicator
- Silicone tubes and strong clips for pipe connecting
- Stainless steel exhaust manifold cover for heat isolating

#### Electrical system

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

#### Flywheel and housing

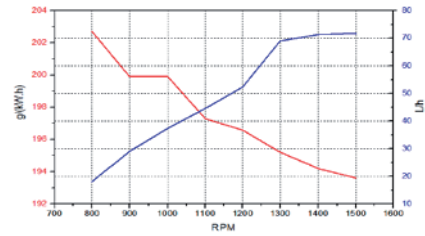
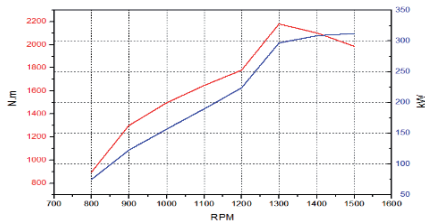
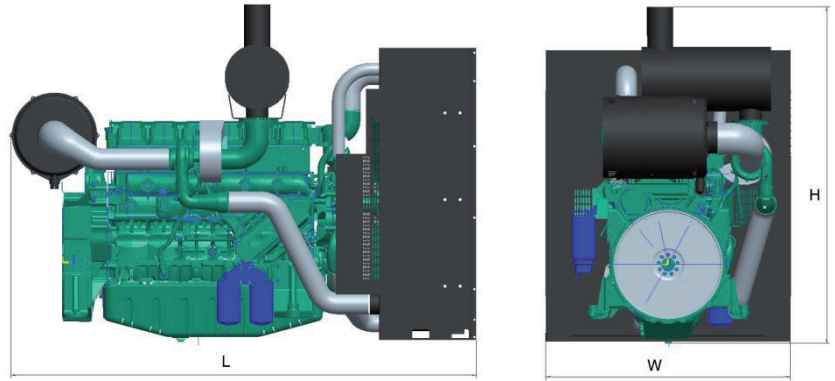
- SAE1 flywheel housing and 14" flywheel

### Optional Equipment

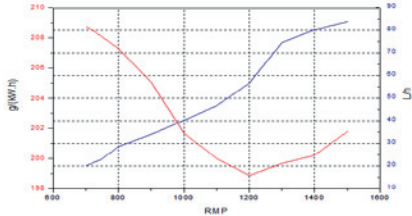
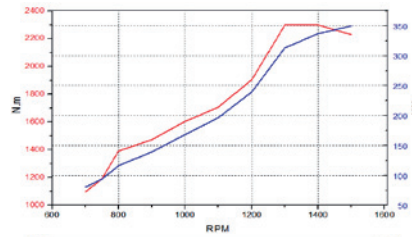
- Radiator for tropical environment (50°C)
- Immersion heater with thermostat
- Intake air heater for cold start aid
- Manual drawing off oil pump
- Tool Kits

## Dimensions and Weight

Length	2169 mm
Width	1134 mm
Height	1350 mm
Weight	1100 kg



WP13B310E200



WP13B350E200

### Power definition

Standard ISO 3046/1 -1995(F)

### Reference conditions

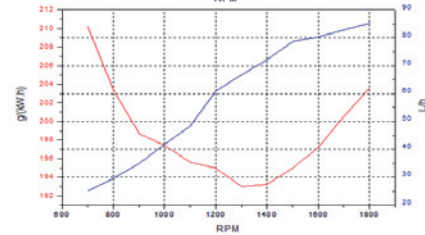
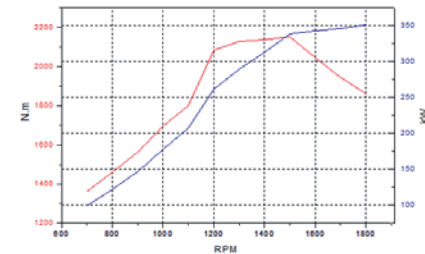
Ambiant temperature	25 °C
Barometric pressure	100 kPa
Relative humidity	30%

### 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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WP13B350E201

Distributed By:



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

