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

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

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℃)
- Water separated filter
- Immersion heater with thermostat
- Air heater for cold start
- Tool Kits
- Manual drawing off oil pump
Dimensions and Weight

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<tr>
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<tbody>
<tr>
<td>Length</td>
<td>1431 mm</td>
</tr>
<tr>
<td>Width</td>
<td>774 mm</td>
</tr>
<tr>
<td>Height</td>
<td>1136 mm</td>
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<tr>
<td>Weight</td>
<td>550 kg</td>
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</table>

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

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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