12M55
PowerKit Gas Engine
**PowerKit Gas Engine**

12M55

Bore & Stroke (mm) 180 x 215
Displacement (L) 65.6
N° of Cylinders 12
Cylinders Arrangement At Vee

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**Customer benefits**

Warranty terms - 2 yrs unlimited hours PRP, 4 yrs / 800 ESP
50°C Cooling package standard with low derating
Extended MTBO

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<table>
<thead>
<tr>
<th>Gas Engine</th>
<th>Gross Engine Output</th>
<th>Typical Generator Output</th>
<th>Asp.</th>
<th>Gov.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Speed RPM</td>
<td>COP Power kWm</td>
<td>COP Power kWm</td>
<td>kWe</td>
</tr>
<tr>
<td>12M55G6N0/5</td>
<td>1588</td>
<td>1400</td>
<td>1750</td>
<td>T/A-W</td>
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</tbody>
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**Standard Equipment**

**Engine and block**
- Cast iron cylinder block with inspection door per cylinder
- Cast iron cylinder liners, wet type and replaceable valves guides and seats
- Separate cast iron cylinder heads with 4 valves
- Hardened steel forged crankshaft with induction hardened journals, crankpins and radius
- Lube oil cooled light alloy pistons with high performance piston rings

**Cooling System**
- Radiator and hoses supplied separately
- Two separate circuits
- High temperature circuit equipped with thermostatically-controlled system with two gear driven coolant pumps
- Low temperature circuit equipped with belt driven coolant pump

**Lubrication system**
- Full flow screw able oil filters
- Lube oil purifier with replaceable cartridge
- Water cooled lube oil cooler

**Fuel system**
- High pressure common rail system with one high pressure pump gear driven in the V angle of cylinder block
- Two rails mounted on the sides of the engine, double wall, under inlet manifold
- Duplex fine filter and water separation filter assembly with transparent cup for better efficiency
- Electric fuel priming pump integrated in the filters support

**Air intake and exhaust system**
- The 2 compressors are feeding a single water-air intercooler, mounted over the exhaust system flywheel housing, with vertical flow
- Special rear mounted air filter with restriction indicator
- Exhaust manifold and turbocharger shield for heat isolating

**Electrical System**
- 2 x 24V DC electric starter motors and n°1 battery charging alternator
- Low oil pressure & high water temperature sensors

**Flywheel and housing**
- SAE 0 flywheel housing and 18” flywheel

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### Dimensions and dry weight (mm/kg)

![Diagram of a gas engine]

<table>
<thead>
<tr>
<th>Gas Engine</th>
<th>Speed</th>
<th>Dimensions and Dry Weight including radiator</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RPM</td>
<td>L (mm)</td>
</tr>
<tr>
<td>12M55G6N0/5</td>
<td>1500</td>
<td>3254</td>
</tr>
</tbody>
</table>

### Ratings definitions

**Continuous Power (COP)**
Continuous Power is the maximum power available for an unlimited period of use at a constant load factor. No overload capability is allowed.