4M11
PowerKit Natural Gas Engine
### 4M11 PowerKit Natural Gas Engine

**Bore x Stroke (mm)** 105 x 130  
**Displacement (L)** 4.5  
**N° of Cylinders** 4  
**Cylinders Arrangement** In line  
**Fuel System** Open Chamber / Lean Burn  
**Governor (Gov.)** ECU  
**Aspiration (Asp.)** Turbocharged & air-to-air cooled

---

**Customer benefits**

- Low emission standard, lean burn technology resulting in lower NOx emissions  
- High transient and block load capabilities  
- Full duty cycle capability, from prime to continuous power  
- Electronically controlled high efficiency engines

---

#### Gas Engine Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed Rpm</th>
<th>COP Power kWe</th>
<th>PRP Power kWe</th>
<th>COP Power kVA</th>
<th>PRP Power kVA</th>
<th>Asp</th>
<th>Gov</th>
</tr>
</thead>
<tbody>
<tr>
<td>4M11G4N0/5</td>
<td>1500</td>
<td>60</td>
<td>70</td>
<td>50</td>
<td>63</td>
<td>1500</td>
<td>T/A-A ECU</td>
</tr>
<tr>
<td>4M11G4N0/6</td>
<td>1800</td>
<td>60</td>
<td>70</td>
<td>50</td>
<td>63</td>
<td>1800</td>
<td>T/A-A ECU</td>
</tr>
</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  
- Aluminum alloy pistons with oil cooling gallery

**Cooling system**

- Radiator and hoses supplied directly mounted on the engine  
- Thermostatically-controlled system with belt driven coolant pump and pusher fan

**Lubrication system**

- Flat bottom large capacity oil pan  
- Spin-on full-flow lube oil filter

**Fuel system**

- Low Pressure gas supply – open chamber combustion  
- Optimum performance and efficient use of fuel for COP, CHP and PRP applications

**Air intake and exhaust system**

- Top-mounted turbocharger optimized for gen-set application  
- Special rear mounted air filter with restriction indicator  
- Exhaust manifold shield for heat isolating

**Electrical system**

- 24V DC electric starter motor and battery charging alternator for 1500 and 1800 RPM engines  
- Low oil pressure & high water temperature sensors

**Flywheel and housing**

- SAE 3 flywheel housing and 11.5” flywheel for 1500 and 1800 RPM engines
Dimensions and dry weight (mm/kg)

Gas Engine | Dimensions and dry weights including radiator
--- | ---
Model | Model | L (mm) | W (mm) | H (mm) | Weight (Kg)
4M11G4N0/5 | 1500 | 1375 | 747 | 1038 | 604
4M11G4N0/6 | 1800 | 1375 | 747 | 1038 | 604

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.

Unlimited Prime Rated Power (PRP)
Prime Power is the maximum power available for unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine’s PRP power rating during any 24 hour period. An overload capability of 10% is available, however, this is limited to 1 hour within every 12 hour period.

1) All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of ±5%.
2) Test conditions: 100 kPa, 25°C air inlet temperature, relative humidity of 30%, with fuel density 0.84 kg/L. Derating may be required for conditions outside these; please contact the factory for details.
3) Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump; not included are battery charging alternator, fan and optional equipment.