**6M21**

PowerKit Variable Speed Engine

- Bore x Stroke (mm): 127 x 165
- Displacement (L): 12.5
- N’ of Cylinders: 6
- Cylinders Arrangement: In line
- Fuel System: Mechanical Pump
- Governor (Gov.): Mechanical
- Aspiration (Asp.): Turbocharged & air-to-air cooled

### Customer benefits

Variable speed engines optimised for use between 800 and 2200 Rpm  
Straightforward mechanical injection for easy maintenance  
Strong tolerance to varying fuel quality  
Peace of mind with best-in-class warranty of 2 years/2500 working hours

### Variable Speed Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Power KWm (HP)</th>
<th>Cylinders config.</th>
<th>Asp.</th>
<th>Displ.</th>
<th>Housing</th>
<th>Flywheel</th>
<th>Gov</th>
</tr>
</thead>
<tbody>
<tr>
<td>6M21V2D0</td>
<td>370 (503)</td>
<td>6-inline</td>
<td>T/A-A</td>
<td>12.5</td>
<td>Sae 1</td>
<td>14”</td>
<td>Mech</td>
</tr>
</tbody>
</table>

### Engine max. gross power + torque + fuel consumption

| Model | 800 RPM kWm | 900 RPM kWm | 1000 RPM kWm | 1100 RPM kWm | 1200 RPM kWm | 1300 RPM kWm | 1400 RPM kWm | 1500 RPM kWm | 1600 RPM kWm | 1700 RPM kWm | 1800 RPM kWm | 1900 RPM kWm | 2000 RPM kWm | 2100 RPM kWm | 2200 RPM kWm |
|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 6M21V2D0 | 157 | 188 | 213 | 266 | 293 | 314 | 335 | 352 | 352 | 370 | 370 | 370 | 371 | 371 | 370 |
| 6M21V2D0 | 201 | 195 | 193 | 192 | 191 | 192 | 195 | 198 | 197 | 202 | 206 | 211 | 217 | 225 | 220 | 225 |
Standard equipment

Engine and block
- Cast iron gantry type structure block
- One-piece forged crankshaft
- Separate cast iron cylinder heads and replaceable dry cylinder 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
- Optimum performance and efficient use of fuel for continuous duty
- Duplex fine filter for better efficiency

Air intake and exhaust system
- 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

Flywheel and housing
- SAE 1 flywheel housing and 14” flywheel

Ratings definitions

Industrial Continuous Power
This power rating is for applications that operate with constant load and speed except for short periods during startup or shutdown. This rating conforms to ISO 3046 Continuous Power.