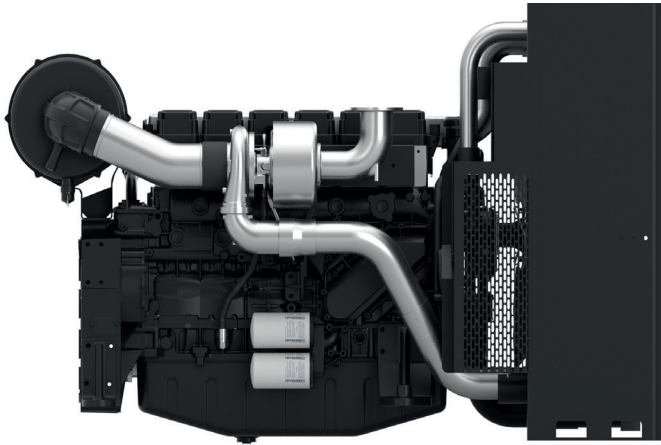


# 6M21

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 |

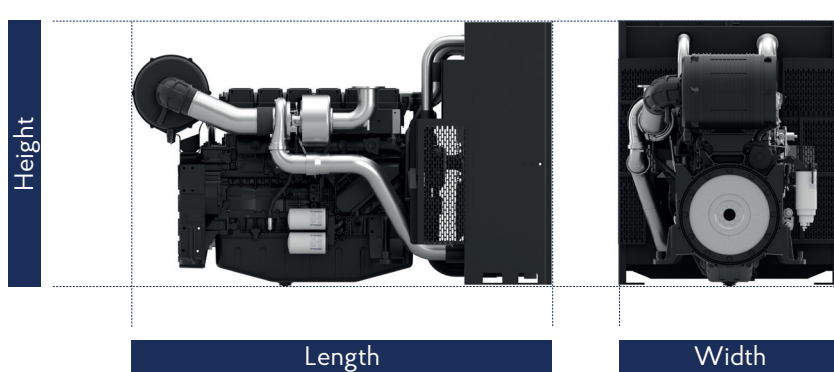
### Customer benefits

- 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 |                        |                   |       |        | Coupling |          |      |
|-----------------------|------------------------|-------------------|-------|--------|----------|----------|------|
| Model                 | Maximum Power KWm (HP) | Cylinders config. | Asp.  | Displ. | Housing  | Flywheel | Gov  |
| 6M21V2D0              | 370 (503)              | 6-inline          | T/A-A | 12.5   | Sae 1    | 14"      | Mech |

| Model    |        | Engine max. gross power + Torque + Fuel Consumption |         |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|--------|---|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |        | 800 RPM   | 900 RPM | 1000 RPM | 1100 RPM | 1200 RPM | 1300 RPM | 1400 RPM | 1500 RPM | 1600 RPM | 1700 RPM | 1800 RPM | 1900 RPM | 2000 RPM | 2100 RPM | 2200 RPM |
| 6M21V2D0 | kWm    |   | 157     | 188      | 213      | 266      | 293      | 314      | 335      | 352      | 352      | 370      | 370      | 370      | 371      | 370      |
|          | N.m    |   | 1668    | 1795     | 1847     | 1950     | 2002     | 2002     | 2002     | 1978     | 1980     | 1964     | 1862     | 1768     | 1687     | 1604     |
|          | gr/kWh |   | 201     | 195      | 193      | 192      | 191      | 192      | 195      | 198      | 197      | 202      | 206      | 211      | 217      | 225      |

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



| Variable Speed Engine | Dimensions and dry weights including radiator |        |        |             |
|-----------------------|---|--------|--------|-------------|
| Model                 | L (mm)  | W (mm) | H (mm) | Weight (Kg) |
| 6M21V2D0              | 2163  | 1136   | 1359   | 1280        |

**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.