

# Product Specifications for 4016-61TRG

<b>Gross Mechanical Output</b>	1269-2183 kWm
<b>Typical Electrical Output</b>	1400-2500 kVA (1120-2000 kWe)
<b>Rated Speed</b>	1500 rpm
<b>Prime</b>	1850-2250 kVA
<b>Standby</b>	2000-2500 kVA
<b>Baseload</b>	1400-1800 kVA
<b>Emissions</b>	Fuel Optimised
<b>Number of Cylinders</b>	16 Vee
<b>Bore</b>	160 mm
<b>Stroke</b>	190 mm
<b>Displacement</b>	61.1 l
<b>Compression Ratio</b>	13.0:1
<b>Aspiration</b>	Quad turbocharged and air-to-water charge cooled
<b>Combustion System</b>	Direct injection
<b>Rotation from Flywheel End</b>	Anti-clockwise
<b>Quality System</b>	ISO 9001

<b>Cooling System</b>	Liquid
<b>Aftertreatment</b>	-
<b>Typical Alternator Efficiency</b>	95-96%
<b>Switchable</b>	No

<b>Length</b>	4542 mm
<b>Width</b>	2185 mm
<b>Height</b>	3175 mm
<b>Dry Weight</b>	7783 kg

**Note 1** \*Final dimensions dependent on selected options

<b>Prime Power</b>	Variable load. Unlimited hours usage with an average load factor of 80% of the published prime power over each 24 hour period. A 10% overload is available for 1 hour in every 12 hour operation.
<b>Standby Power</b>	Limited to 500 hours annual usage with an average load factor of 80% of the published standby power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on standby power.
<b>Baseload</b>	Unlimited hours usage with an average load factor of 100% of the published baseload power. No overload is permitted on baseload power.

## 4016-61TRG Standard Equipment

### Air inlet system

Mounted air filter and turbochargers

### Cooling system

Powder coated radiator comprising: water radiator; air charge cooled radiator; fuel oil cooling (optional); all pipes, hoses and clips; fan; pulleys; fan belts and safety guards

System designed for ambients up to 50°C (122°F)

Two triple thermostats

### Electrical equipment

24 volt starter motor and 24 volt alternator with integral regulator and DC output

Air shut off valve wiring harness – fully wired

Turbine inlet temperature shutdown switch

Twin high coolant temperature shutdown switches

Twin low oil pressure shutdown switches

### Flywheels and flywheel housing

Flywheel to SAE J620 size 18, 533.4 mm (21 in)

SAE 00 flywheel housing

### Fuel system

Direct fuel injection system, fuel lift pump

Full flow spin-on fuel oil filters

### Governing

Governing to ISO 8528-5 class G2 with isochronous capability

### Oil system

Full flow spin-on oil filters

Wet sump with filler and dipstick

