

PRODUCT SPECIFICATIONS FOR 4016-61TRG

TOTAL POWER RANGE

Gross Mechanical Output	1269-2183 kWm
Typical Electrical Output	1400-2500 kVA (1120-2000 kWe)
Rated Speed	1500 rpm

50 HZ TYPICAL ELECTRICAL OUTPUT

Prime	1850-2250 kVA
Standby	2000-2500 kVA
Baseload	1400-1800 kVA

EMISSION STANDARDS

Emissions	Fuel Optimised
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GENERAL

Number of Cylinders	16 Vee
Bore	160 mm
Stroke	190 mm
Displacement	61.1 l
Compression Ratio	13.0:1
Aspiration	Quad turbocharged and air-to-water charge cooled
Combustion System	Direct injection
Rotation from Flywheel End	Anti-clockwise

Cooling System	Liquid
Aftertreatment	-
Typical Alternator Efficiency	95-96%
Switchable	No

ELECTROPAK DIMENSIONS

Length	4542 mm
Width	2185 mm
Height	3175 mm
Dry Weight	7783 kg

DISCLAIMER

Note 1	*Final dimensions dependent on selected options
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DEFINITIONS

Prime Power	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.
Standby Power	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.
Baseload	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 temperate 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