

Product Specifications for 5016AC-E61TRG



Total Power Range

Gross Mechanical Output	1249-2216 kW
Typical Electrical Output	1400-2500 kVA (1120-2000 kWe)
Rated Speed	1500 rpm

Emission Standards

Emissions	Noncertified configuration that is equivalent to EU Stage II, China Nonroad Stage III and U.S. EPA Tier 2
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50 Hz Typical Electrical Output

Prime	1750-2250 kVA (1400-1800 kWe)
Standby	1925-2500 kVA (1540-2000 kWe)

General

Number of Cylinders	16
Displacement	61.1 l
Aspiration	Turbocharged and air-to-water chargecooled
Bore	160 mm
Stroke	190 mm
Combustion System	Direct injection
Compression Ratio	13.8:1
Aftertreatment	None
Total Lubricating Oil Capacity	213 l

Total Coolant Capacity	95 l
Rotation from Flywheel End	Anti-clockwise
Cooling System	Liquid
Typical Alternator Efficiency	95%
Switchable	No

Electro Unit Dimensions

Width	3675 mm
Dry Weight	2076 mm
Height	1260 mm
Dry Weight	6127 kg
Wet Weight	6416 kg

Disclaimer

Note 1

*Final dimensions dependent on selected options

Definitions

Prime Power	Unlimited hours usage with an average load factor of 80 percent of the published prime power over each 24 hour period. A 10 percent overload is available for one hour in every 12 hours operation.
Standby Power	Limited to 500 hours annual usage with an average load factor of 80 percent 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.
Continuous operating power (COP)	Unlimited hours usage with an average load factor of 100 percent of the published continuous operating power. No overload is permitted on continuous operating power.

Data centre power (DCP)

Power available for variable or continuous electrical loads in a data centre application. Up to 100 percent load factor of the published DCP power is permitted for unlimited time. An overload of 10 percent is permitted for one hour in every 12 hours of operation. No overload is permitted. DCP power definition relies on ISO8528-1 2018 standard to be followed by generator set manufacturer, and will support Tier I to Tier IV classifications of data centres as per UPTIME institute guidelines.

Limited-time running power (LTP)

Maximum of 500 hours annual usage with an average load factor of 100 percent of the published LTP power.

Baseload

Unlimited hours usage with an average load factor of 100 percent of the published continuous operating power. No overload is permitted on continuous operating power.

5016AC-E61TRG Standard Equipment

Electro unit or ElectropaK

Electro unit

Radiator fitted

None

Fuel filter, engine mounted

Yes

Water separator

Yes

Fuel water sight glass

None

Fuel priming pump (manual/electric)

Electric

WIF sensor

Yes

Fuel cooler

None

Air filter, engine mounted

Yes

Engine ECM, engine mounted

Yes

Wiring harness to ECM

Yes

Wiring harness (all connectors to single customer interface)

Yes

Starter motor

Yes

Battery charging alternator

Yes

Flywheel housing

Yes

Flywheel

Yes

Fan

None

Fan guard

None

Temperature and oil pressure for automatic stop/alarm

Yes