

CUMMINS GENERATOR

**Capacity: 1000kVA-1675kVA at 50Hz
1120KW-1545KW at 60HZ**

Engine Model: KTA50 series engine

Model	Standby Rating		Prime Rating	
	50Hz kVA (KW)	60 Hz kVA (KW)	50Hz kVA (KW)	60 Hz kVA (KW)
C1100 D5e	1100 (880)	N/A	1000 (800)	N/A
C1400 D5	1400 (1120)	N/A	1250 (1000)	N/A
C1400 D5e	1400 (1120)	N/A	1250 (1000)	N/A
C1675 D5	1675 (1340)	N/A	1400 (1120)	N/A
C1675 D5A	1675 (1340)	N/A	1500 (1200)	N/A
C1250 D6	N/A	1270 (1588)	N/A	1120 (1400)
C1500 D6	N/A	1545 (1931)	N/A	1286 (1608)

Specification

Generator set specification	
Governor Regulation Class	ISO8528 G2
Voltage Regulation, No Load to Full Load	± 1%
Random Voltage Variation	± 1%
Frequency Regulation	Isochronous
Random Frequency Variation	±0.25%
EMC Compatibility	BS EN 61000-6-4 / BS EN 61000-6-2
Engine Specifications	
Design	4 cycle, in line, turbo Charged and after-cooled
Bore	158.8 mm (6.25 in.)
Stroke	158.8 mm (6.25 in.)
Displacement	50 liter (3067in.3)
Cylinder Block Engine	Sixteen-cylinder vee formation, direct injection, four-cycle diesel
Battery Capacity	1800 amps at ambient temperature 32°F (0°C)
Starting Voltage	24-volt, negative ground
Fuel System	Direct injection
Fuel Filter	Dual spin on paper element fuel filters with standard water separator.
Air Cleaner Type	Dry replaceable element
Lube Oil Filter Type(s)	Spin-on paper element full flow and bypass lube oil filters.
Standard Cooling System	104°F (40 °C) ambient radiator,
Alternator Specifications	
Design	Brushless, 4 pole, drip proof revolving field
Stator	2/3 pitch
Rotor	Direct coupled by flexible disc
Insulation System	Class H
Standard Temperature Rise	Rise 125° C Standby
Exciter Type	PMG (Permanent Magnet Generator)
Phase Rotation	A (U), B (V), C (W)
Alternator Cooling	Direct drive centrifugal blower fan
AC Waveform Total Harmonic Distortion	No load < 1.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	<50 per NEMA MG1-22.43
Telephone Harmonic Factor (THF)	No load < 1.5%. Non distorting balanced linear load < 5%



Standby Power

Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

Prime Power

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hours.

*Note: Some options may not be available on all models.



2000 kVA Diesel Generator



5 MVA Transformer



VCB



ACB



Synchronized Electricity



Civil Construction



Over Head Crane