

## CUMMINS GENERATOR

**Capacity: 182KVA – 250KVA at 50Hz  
165KW - 225KW at 60HZ**

**Engine Model: 6CTA SERIES ENGINE**

Model	Standby Rating		Prime Rating	
	50Hz kVA (KW)	60 Hz kVA (KW)	50Hz kVA (KW)	60 Hz kVA (KW)
<b>C200 D5</b>	200 (160)	N/A	182 (146)	N/A
<b>C220 D5</b>	220 (176)	N/A	200 (160)	N/A
<b>C250 D5</b>	250 (200)	N/A	227 (182)	N/A
<b>C180 D6</b>	N/A	180 (225)	N/A	165 (205)
<b>C200 D6</b>	N/A	200 (250)	N/A	180 (225)
<b>C225 D6</b>	N/A	225 (281)	N/A	205 (256)

### 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
Bore	114 mm (4.49 in.)
Stroke	135 mm (5.32 in.)
Displacement	8.3 liter (505 in.3 )
Cylinder Block Engine	Cast iron, 6 cylinder
Battery Capacity	100 A/hr
Battery Charging Alternator	60 amps
Starting Voltage	24 volt, negative ground
Fuel System	Direct injection
Fuel Filter	Spin on fuel filters with water separator
Air Cleaner Type	Dry replaceable element with restriction indicator
Lube Oil Filter Type(s)	Spin on full flow filter
Standard Cooling System	122°F (50°C) ambient radiator
Alternator Specifications	
Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation System	Class H
Standard Temperature Rise	125 - 163°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)	<2%



#### 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