

60 HZ DIESEL GENERATOR

FOR INDUSTRIAL PURPOSES

168KW



OUTPUT POWER

Standby Power (ESP)	kVA	210
	kW	168
Rated Power (NG)	kVA	190
	kW	152

SIZE	W x L x H (mm)	Weight (kg)	Fuel Tank (kg)	Fuel Consumption 100% load
Silent Type	3300X1100X1900	1755	360	42(lt/h)
Open Type	2600X900X1500		360	42(lt/h)

OUTPUT POWER

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

STANDBY POWER

The max 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 200 hrs of operation per year under average of 70% load. Overloading isn't permissible.

PRIME POWER

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 hrs.



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ENGINE

Manufacturer		CUMMINS
Model		6CTA8.3-G2
Cylinder Configuration		Inline
No of Cylinders		6-In Line
Engine Power-Standby	kW	187
Engine Power-Prime	kW	170
Engine Speed	rpm	1800
Structural Form		Four Stroke
Speed / Frequency 60Hz	rpm	60Hz
Displacement	lt	8.3
Bore	mm	114
Stroke	mm	135
Compression Ratio		17:3:1
Governor Type		Electronic
Aspiration		TurboCharged & Aftercooler
Combustion System		Direct Injection
Cooling System		Water Cooled
Lubrication Oil Capacity	lt	27.6
Coolant Capacity	lt	34
Fuel Tank Capacity	lt	360
Fuel Consumption %100 60Hz	lt/h	42
Fuel Consumption %75 60Hz	lt/h	29.9
Fuel Consumption %50 60Hz	lt/h	22.1

ALTERNATOR 274F

No of Phases		Three
Power Factor		0.8
No of Bearings		Single
No of Poles		4
Insulation Class		H
Degree of Protection		IP23
Stator Winding		Double Layer Concentric
Winding Pitch		Two Thirds
Winding Leads		12
Maximum Overspeed		2250 Rev/Min
Excitation System		AVR(AutomaticVoltageRegulator), Brushless
Waveform Distortion		No load < 1.5% Non-Distorting Balanced Liner Load < 5.0%
R.F.1. Suppression		BS EN 61000-6-2 & BS EN 61000-6-4, VDE 0875G, VDE 0875N.

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