

60 HZ DIESEL GENERATOR

FOR INDUSTRIAL PURPOSES

96KW



OUTPUT POWER

Standby Power (ESP)	kVA	120
	kW	96
Rated Power (NG)	kVA	110
	kW	88

SIZE	W x L x H (mm)	Weight (kg)	Fuel Tank (kg)	Fuel Consumption 100% load
Silent Type	1100X2800X1500	1692	240	27.6(lt/h)
Open Type	900X2150X1400	1092	240	27.6(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		6BTA5.9-G2
Cylinder Configuration		Inline
No of Cylinders		6
Engine Power-Standby	kW	110
Engine Power-Prime	kW	100
Engine Speed	rpm	1800
Structural Form		Four Stroke
Speed / Frequency 60Hz	rpm	1800rpm/60Hz
Displacement	lt	5.9
Bore	mm	102
Stroke	mm	120
Compression Ratio		17:3:1
Governor Type		Electronic
Aspiration		TurboCharged
Combustion System		Direct Injection
Cooling System		Water Cooled
Lubrication Oil Capacity	lt	16.4
Coolant Capacity	lt	10
Fuel Tank Capacity	lt	240
Fuel Consumption %100 60Hz	lt/h	27.6
Fuel Consumption %75 60Hz	lt/h	20.7
Fuel Consumption %50 60Hz	lt/h	13.8

ALTERNATOR 224E

No of Phases		Three
Power Factor		0.8
No of Bearings		Single
No of Poles		4
Wiring Method		Three-Phase,4-Wires
Insulation Class		H
Degree of Protection		IP23
Excitation System		AVR(AutomaticVoltageRegulator), Brushless

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