

60 HZ DIESEL GENERATOR

FOR INDUSTRIAL PURPOSES

80KW



OUTPUT POWER

Standby Power (ESP)	kVA	100
	kW	80
Rated Power (NG)	kVA	90
	kW	72

SIZE	W x L x H (mm)	Weight (kg)	Fuel Tank (kg)	Fuel Consumption 100% load
Silent Type	1060X2450X1330	1425	170	19.5(lt/h)
Open Type	780X1850X1330	925	170	19.5(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		4BTA3.9-G11
Cylinder Configuration		Inline
No of Cylinders		4
Engine Power-Standby	kW	90
Engine Power-Prime	kW	80
Engine Speed	rpm	1800
Structural Form		Four Stroke
Speed / Frequency 60Hz	rpm	1800rpm/60Hz
Displacement	lt	3.9
Bore	mm	102
Stroke	mm	120
Compression Ratio		17.5:1
Governor Type		Electronic
Aspiration		TurboCharged
Combustion System		Direct Injection
Cooling System		Water Cooled
Lubrication Oil Capacity	lt	10.9
Coolant Capacity	lt	27
Fuel Tank Capacity	lt	170
Fuel Consumption %100 60Hz	lt/h	19.5
Fuel Consumption %75 60Hz	lt/h	14.62
Fuel Consumption %50 60Hz	lt/h	9.75

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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