



Applications for Stand-by and Prime power.
Rental, Industrial, Commercial, Residential.
Never Be Without Power.

Cummins Series

Specification Sheet

800KW 60HZ



Features	Benefits
<ul style="list-style-type: none"> • Sound attenuated enclosure • Deep Sea 7220 Digital Controller • 250 Gallon Base Tank • Auto Start Auto Stop • Auto Exerciser • Generic Auto Transfer switch • Accessory Panel • Batteries Included 	<ul style="list-style-type: none"> • Increased longevity • Simple system monitoring • Easy access and utility • Ease of maintenance • Generator systems protection • Keeps your generator running smoothly

Engine Specifications

Brand	Cummins
Model	KT38-G2, 4-cycle
No. of Cylinders and Cycle	12 Cylinder 4 stroke
Total Displacement	37.8 L
Compression Ratio	14.5 L
Rated output (KW)	970KW
Rated Speed	1800RPM
100% Load Fuel Consumption (g/kw.h)	167 L/h
Lube oil Capacity	135 L
Cooling Method	Liquid Cooled
Starting Method	24V Electric

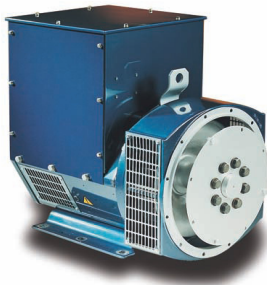
Alternator

Stamford model number	HCI534E
Rated Power	720KW
Rated Voltage	380/220, 400/230,220v,230v, ETC.
Rated Current	According to the selected voltage or Phase
Rated Frequency	60HZ
Rated Speed (RPM)	1800RPM
Power Factor	1 for single phase / .8lagging for three phase
Phase Connection	single or 3 phase
Winding Connection	3 or 4 wire connected/ 12wire for 3phase
Excitation Method	Brushless
Voltage Regulation	AVR

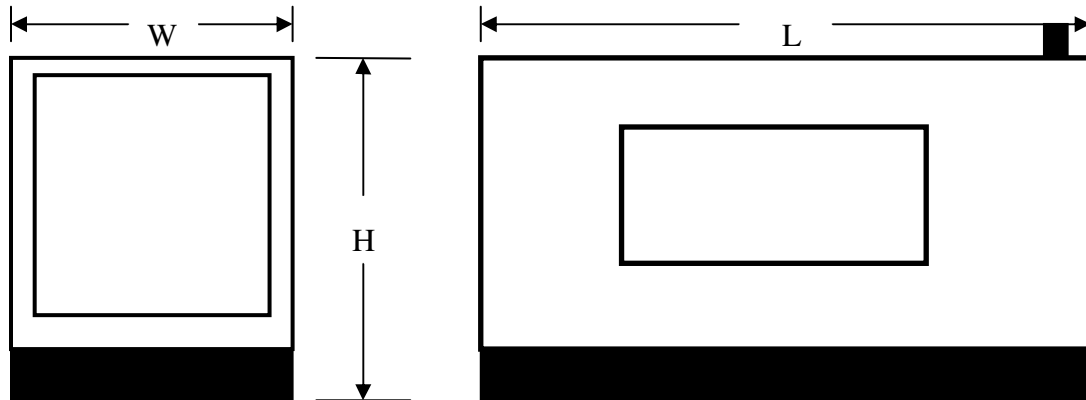


Cooling System		Fuel System	
Max. coolant cycling resistance exterior engine	TBA	Fuel injection pump model	Direct Injection
Thermostat adjusting temperature	82-95 c	Max. fuel input resistance of transfer pump	TBA
Min. opening pressure of radiator cap	69 kpa	Max. overflow fuel resistance at overflow pipe or injector	TBA
Coolant capacity- engine only	30 L	Total fuel overflow amount	TBA
Exhaust System		Lubricating System	
Max. Back Pressure	10.05 KPA	Normal oil pressure range	
Electrical System		Low idle	138 KPA
Starter	24 V	Rated Speed	310- 448 KPA
Battery charging system	35 A	Max oil temperature permitted in oil pan	121 C
		Lubrication system Min. capacity	135.0 L

Generating head



- 2/3 pitch windings avoid excessive neutral currents
- Class 'H' insulation with severe environmental protection as standard
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings
- Easy access for installation and maintenance
- 12 wire reconnectable stator/terminal arrangement
- Built to conform with all leading industrial and marine standards
- SX460 AVR as standard with 1.5% regulation and 2 Phase Sensing
- IP23 as standard



	Weight in kgs	Weight in Lbs	Dimensions in mm	Dimensions in In
250KW	3530	7780.12	4300x1300x2250	170x52x89
280KW	3750	8265	4300x1300x2250	170x52x89
320KW	4930	10865.72	4800x1600x2400	190x52x89
350KW	4930	10865.72	4800x1600x2400	190x52x89
400KW	5300	11681.2	4800x1600x2400	190x52x89
450KW	5850	12893.4	5000x1600x2200	197x52x86
500KW	6300	13885.2	5200x1600x2290	205x52x78
620KW	8990	19813.96	5800x1880x2300	205x74x91
720KW	9450	20827.8	5800x1880x2300	205x74x91
800KW	9750	21489	5800x1880x2300	205x74x91



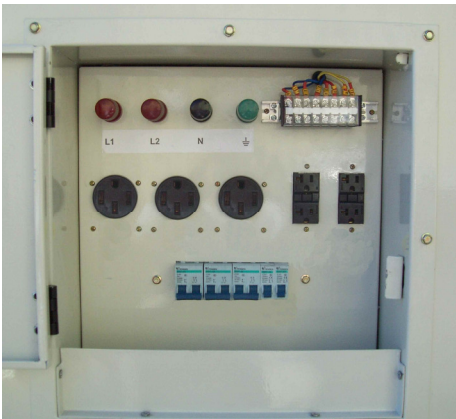
8424 East Shea Blvd. Suite 101
 Scottsdale AZ USA 85260
Sales@affordablegenerator.com

Tel: 877-902-2288
 Fax 480-406-6550
www.Affordablegenerator.com

Deep Sea 7220 Digital Controller



The DSE7220 is a control module for single gen-set applications. The module incorporates a number of advanced features to meet the most demanding on-site applications. The DSE7220 is an Auto Mains (Utility) Failure Control Module designed to start and stop diesel and gas generating sets that include electronic and non-electronic engines. The module has the capability of being able to monitor a mains (utility) supply. Modules are simple to operate and feature a user-friendly menu layout for improved clarity. Enhanced features include a real time clock for improved event and performance monitoring, the ability to display any language on screen and a 132 x 64 pixel LCD display.



This plug panel is a gives you superior utility when it comes to getting use out of your generator. Panels can include:

- 3 30 or 50 Amp twist lock or straight plug receptacles for large freezers, AC Units, and large utilities.
- 2x2 110V plugs for tools and lighting
- Lugs for hooking your generator up to utility and home.

The panels include switches to turn receptacles on and off with ease.

*