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generator

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

# Cummins Series

Specification Sheet

20KW 60HZ



<b>Features</b>	<b>Benefits</b>
<ul style="list-style-type: none"> <li>• <b>Sound attenuated enclosure</b></li> <li>• <b>Deep Sea 7220 Digital Controller</b></li> <li>• <b>100 Gallon Base Tank</b></li> <li>• <b>Auto Start Auto Stop</b></li> <li>• <b>Auto Exerciser</b></li> <li>• <b>Generic Auto Transfer switch</b></li> <li>• <b>Accessory Panel</b></li> <li>• <b>Batteries Included</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Increased longevity</b></li> <li>• <b>Simple system monitoring</b></li> <li>• <b>Easy access and utility</b></li> <li>• <b>Ease of maintenance</b></li> <li>• <b>Generator systems protection</b></li> <li>• <b>Keeps your generator running smoothly</b></li> </ul>

### Engine Specifications

Brand	<b>Cummins</b>
Model	<b>4BT3.9G1</b>
No. of Cylinders and Cycle	<b>4L, 4 Stroke</b>
Total Displacement	<b>3.9 L</b>
Compression Ratio	<b>16 5:1</b>
Rated output ( KW )	<b>27KW</b>
Rated Speed	<b>1800RPM</b>
100% Load Fuel Consumption (g/kw.h)	<b>209</b>
Lube oil Capacity	<b>11</b>
Cooling Method	<b>Liquid Cooled</b>
Starting Method	<b>DC 12V or 24V Electric</b>

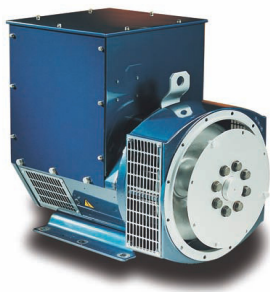
### Alternator

Stamford model number	<b>BCI184H</b>
Rated Power	<b>20KW</b>
Rated Voltage	<b>380/220, 400/230,220v,230v, ETC.</b>
Rated Current	<b>According to the selected voltage or Phase</b>
Rated Frequency	<b>60HZ</b>
Rated Speed (RPM)	<b>1800RPM</b>
Power Factor	<b>1 for single phase / .0/8lagging for three phase</b>
Phase Connection	<b>single or 3 phase</b>
Winding Connection	<b>3 or 4 wire connected/ 12wire for 3phase</b>
Excitation Method	<b>Brushless</b>
Voltage Regulation	<b>AVR</b>



Cooling System		Fuel System	
Max. coolant cycling resistance exterior engine	<b>28(kPA)</b>	Fuel injection pump model	<b>BYC A pump with GAC Governor</b>
Thermostat adjusting temperature	<b>82-95 c</b>	Max. fuel input resistance of transfer pump	<b>102 mmhg</b>
Min. opening pressure of radiator cap	<b>69 kpa</b>	Max. overflow fuel resistance at overflow pipe or injector	<b>508 mmhg</b>
Collant capacity- engine only	<b>7.2 L</b>	Total fuel overflow amount	<b>30 L/h</b>
Exhaust System		Lubricating System	
Max. Back Pressure	<b>10.2 KPA</b>	<b>Normal oil pressure range</b>	
Electrical System		Low idle	<b>207 KPA</b>
Starter	<b>12/24 V</b>	Rater Speed	<b>345 KPA</b>
Battery charging system	<b>63/40 A</b>	Max oil temperature permitted in oil pan	<b>121 C</b>
		Lubrication system Min. capacity	<b>10.9 L</b>

## Generating head

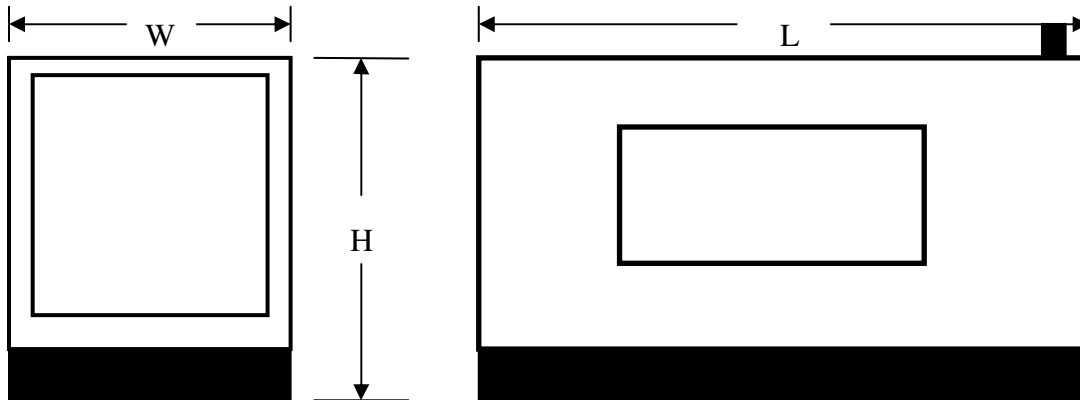


- 2/3 pitch windings avoid excessive neutral currents
- Class 'H' insulation with severe environmental protection as standard
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings
- Easy access for installation and maintenance
- 12 wire reconnectable stator/terminal 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



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	Weight in Lbs	Weight in Kgs	Size in Inches	Size in cm
20KW Cummins	<b>2160lbs</b>	<b>980/920</b>	<b>78x37x43</b>	<b>200*96*110</b>
24KW Cummins	<b>2160lbs</b>	<b>980/920</b>	<b>78x37x43</b>	<b>200*96*110</b>
30KW Cummins	<b>2425/2204</b>	<b>1100/1000</b>	<b>90*43*51</b>	<b>230*110*130</b>
40KW Cummins	<b>2425/2204</b>	<b>1100/1000</b>	<b>90*43*53</b>	<b>230*110*140</b>
50KW Cummins	<b>2601/2380</b>	<b>1180/1080</b>	<b>90*43*53</b>	<b>230*110*140</b>
64KW Cummins	<b>4626/4409</b>	<b>2100/2000</b>	<b>110*51*64</b>	<b>280*130*165</b>
80KW Cummins	<b>4739/4519</b>	<b>2150/2050</b>	<b>110*43*64</b>	<b>280*130*165</b>
90KW Cummins	<b>5621/5401</b>	<b>2550/2450</b>	<b>110*51*64</b>	<b>285*130*165</b>
100KW Cummins	<b>5621/5401</b>	<b>2550/2450</b>	<b>112*51*64</b>	<b>285*130*165</b>
110KW Cummins	<b>5621/5401</b>	<b>2550/2450</b>	<b>122*58*66</b>	<b>310*148*170</b>
120KW Cummins	<b>5732/5571</b>	<b>2600/2500</b>	<b>122*58*66</b>	<b>310*148*170</b>
140KW Cummins	<b>5952/5621</b>	<b>2700/2550</b>	<b>133*58*70</b>	<b>340*148*180</b>
160KW Cummins	<b>6062/5732</b>	<b>2750/2600</b>	<b>133*58*70</b>	<b>340*148*180</b>
200KW Cummins	<b>6172/5842</b>	<b>2800/2650</b>	<b>133*58*70</b>	<b>340*148*180</b>



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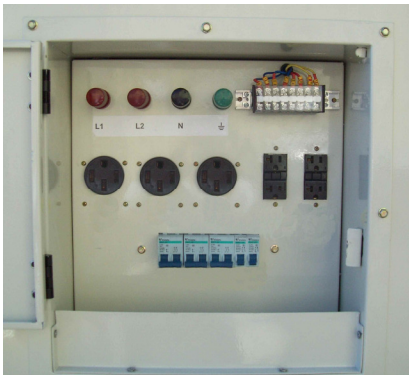
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## Deep Sea 5110 Digital Controller



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.

## Utility Panel



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.