



affordable
generator

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

Cummins Series

Specification Sheet

50KW 60HZ



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Features	Benefits
<ul style="list-style-type: none"> • Sound attenuated enclosure • Deep Sea 7220 Digital Controller • 100 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	4BT3.9G1
No. of Cylinders and Cycle	4L, 4 Stroke
Total Displacement	3.9 L
Compression Ratio	16 5:1
Rated output (KW)	60KW
Rated Speed	1800RPM
100% Load Fuel Consumption (g/kw.h)	209
Lube oil Capacity	11
Cooling Method	Liquid Cooled
Starting Method	DC 12V or 24V Electric

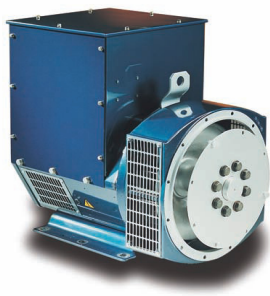
Alternator

Stamford model number	BCI184H
Rated Power	50KW
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 / .0/8lagging 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	28(kPA)	Fuel injection pump model	BYC A pump with GAC Governor
Thermostat adjusting temperature	82-95 c	Max. fuel input resistance of transfer pump	102 mmhg
Min. opening pressure of radiator cap	69 kpa	Max. overflow fuel resistance at overflow pipe or injector	508 mmhg
Collant capacity- engine only	7.9 L	Total fuel overflow amount	30 L/h
Exhaust System		Lubricating System	
Max. Back Pressure	10.2 KPA	Normal oil pressure range	
Electrical System		Low idle	207 KPA
Starter	12/24 V	Rater Speed	345 KPA
Battery charging system	63/40 A	Max oil temperature permitted in oil pan	121 C
		Lubrication system Min. capacity	10.9 L

Generating head

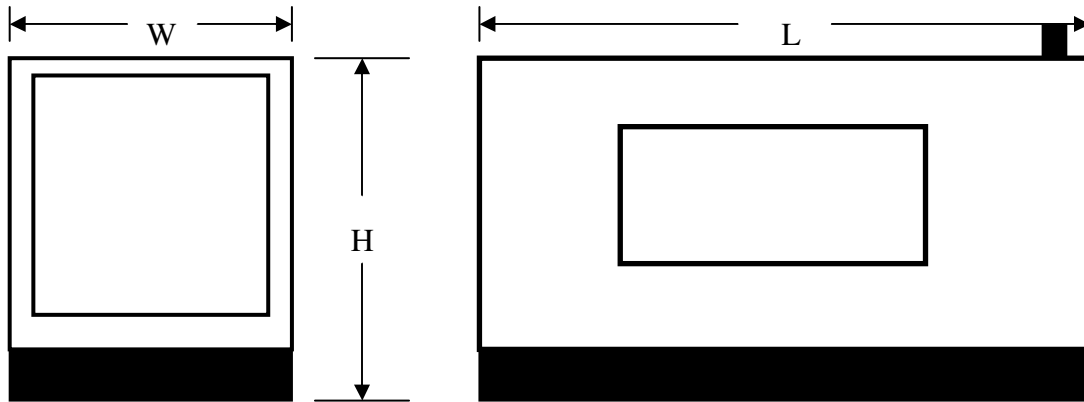


- 2/3 pitch windings avoid excessive neutral currents
- Class 'H' insulation with severe environmental protection as standard
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings
- Easy access for installation and maintenance
- 12 wire reconnectable stator/terminal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



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



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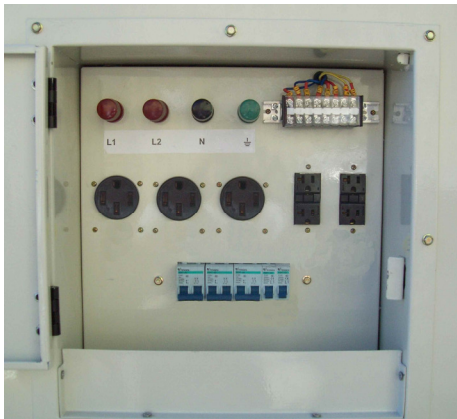
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Deep Sea 7220 Digital Controller



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.

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.

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