



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

Cummins Engine Series

Specification Sheet
24KW 60HZ
Standby Unit w/ ATS



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AGC-24KW

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)	27KW
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	
Rated Power	24KW
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



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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	7.2 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



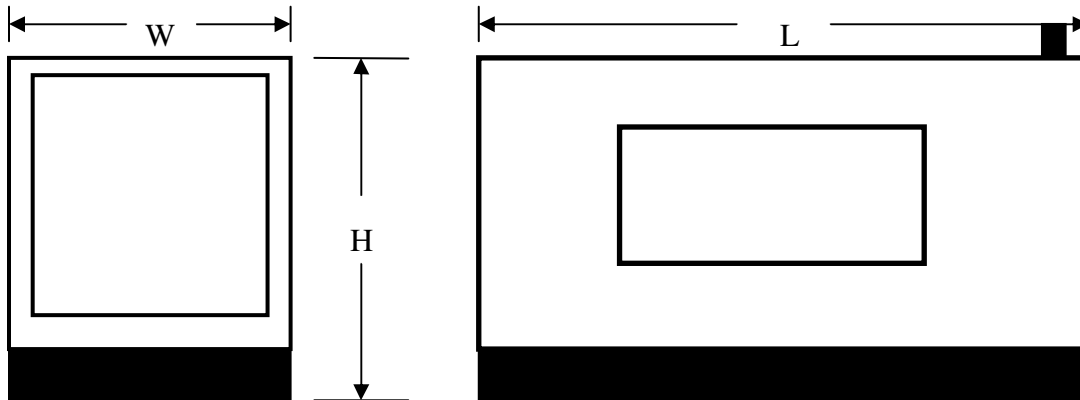
- 2/3 pitch windings avoid excessive neutral currents
- Class 'H' insulation with severe environmental protection as standard
- Single or two bearing construction with dynamically balanced rotor and sealed-for-life bearings
- Easy access for installation and maintenance
- 12 wire reconnectable stator/terminal 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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AGC-24KW



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



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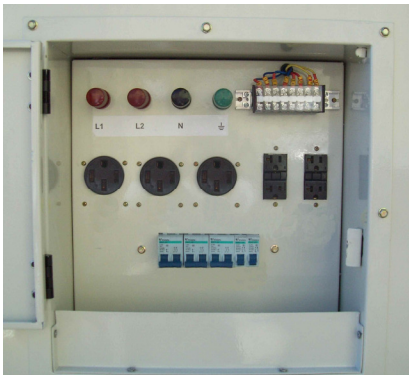
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Deep Sea 7220 Digital Controller



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.