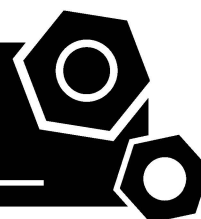


Generator set
Sound-proof type
QSV165C6S

SPECIFICATIONS



AC series QSV165C6S

60 Hz @ 1800rpm,3-phase/4-wiring



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- Conformance European (CE)
- ISO8528-5:2005
- GB/T2820.5-2009

Environmental Operating Conditions

- Installation place: Outdoors or indoors (well ventilated).
- Ambient temperature: -25°C to 50°C. The coolant heater is needed when the temperature is below 5°C
- Humidity: Less than 90%.
- Altitude: Below one thousand (1000) meters above sea level.

Factory Inspection

- Inspection items.
- Protection devices working test.
- Starting ability in normal temperature.
- 50% rated power load moment capability.
- Voltage deviation and speed variation: 0%, 25%, 50%, 75%, 100%, 110% Load.

Painting Process

- Painting process and colors are based on the manufacturer's standard.
- The customer could also choose the color which the manufacturer offers.

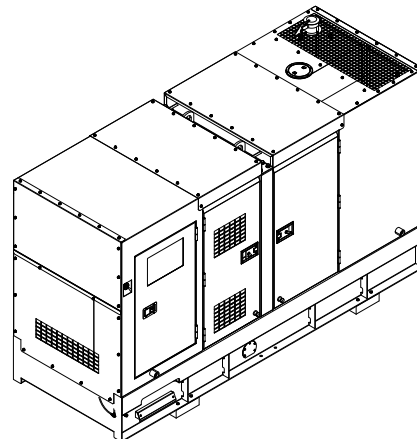
2 General Features

- Cummins engine 6CTA8.3-G2
- Close coupled to LSA alternator LSA44.3VL13
- Microprocessor control module PLC-920
- Main circuit breaker: 630A
- Rotate speed governor: Electrical governor
- Excitation system: Self excited,SHUNT
- A.V.R model: R250
- Key switch
- Emergency stop switch
- ATS(automatic transfer switch)receptacle

- Remote run connector
- 2x12V/72AH sealed for life maintenance free battery
- Lockable battery isolator switch
- Powder coated canopy
- 45°C radiator
- Steel base frame
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for 7 hours running
- Drain points for fuel tank
- Operation Manual / Specifications

3 Equipment

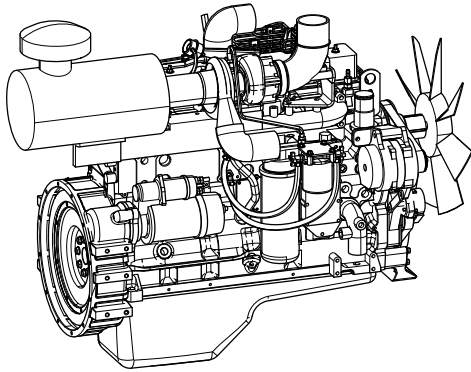
General technical data



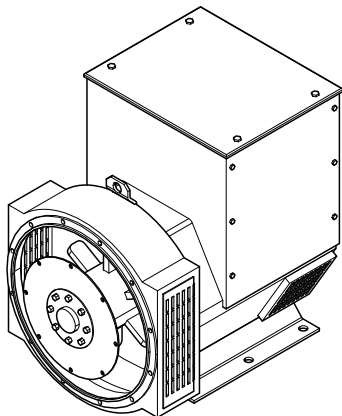
Model..... QSV165C6S
 Fuel tank..... 350L
 Dry weight..... 3800kg
 Sound pressure level @ 7m..... 73.5dBA
 Dimensions L×W×H..... 3155×1130×1590mm
 Standby Power 200kVA/160kW
 Prime Power 180kVA/145kW

Voltage	208V	220V	230V		
Ampere	273.5A	259.8A	250.4A		
Genset Fuel Consumption					
Frequency/Load	25%	50%	75%	100%	110%
60Hz (L/h)	14	23	33	44	50

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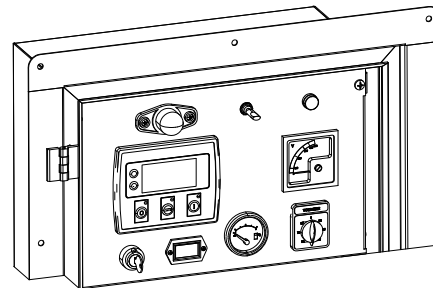


Engine Manufacturer/Brand	Cummins
Engine Model	6CTA8.3-G2
Dimensions L×W×H.....	1128x740x1084mm
Dry Weigh (approx.)	629kg
Number of Cylinders.....	6
Bore.....	114mm
Stroke	135mm
Displacement.....	8.3L
Compression Ratio	17.3
Type of injection.....	Direct injection
Intake System.....	Jacket water Aftercooled
Intake Resistance	≤6.28kPa
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	12/24V
Type of Fuel.....	0# or -10# light diesel
Type of Oil	15W40-CF4
Oil Capacity	24L
Type of Coolant	Glycol mixture
Coolant Capacity	38L
Back Pressure	≤10.1kPa
Standby Power	187kW
Prime Power	170kW



Alternator Manufacturer/Brand	LSA
Alternator Model	LSA44.3VL13
Exciter.....	Brushless
Cooling Fan	Cast alloy aluminum
Windings.....	100% copper
Insulation Class	H
Winding Pitch.....	2/3
Terminals	12
Drip Proof	IP23
Altitude.....	≤1000m
Overspeed	2250rpm
Air Flow.....	N/A
Voltage Regulation	±1.0%
Total Harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference.....	THF<2%;TIF<50

PLC-920 Control System

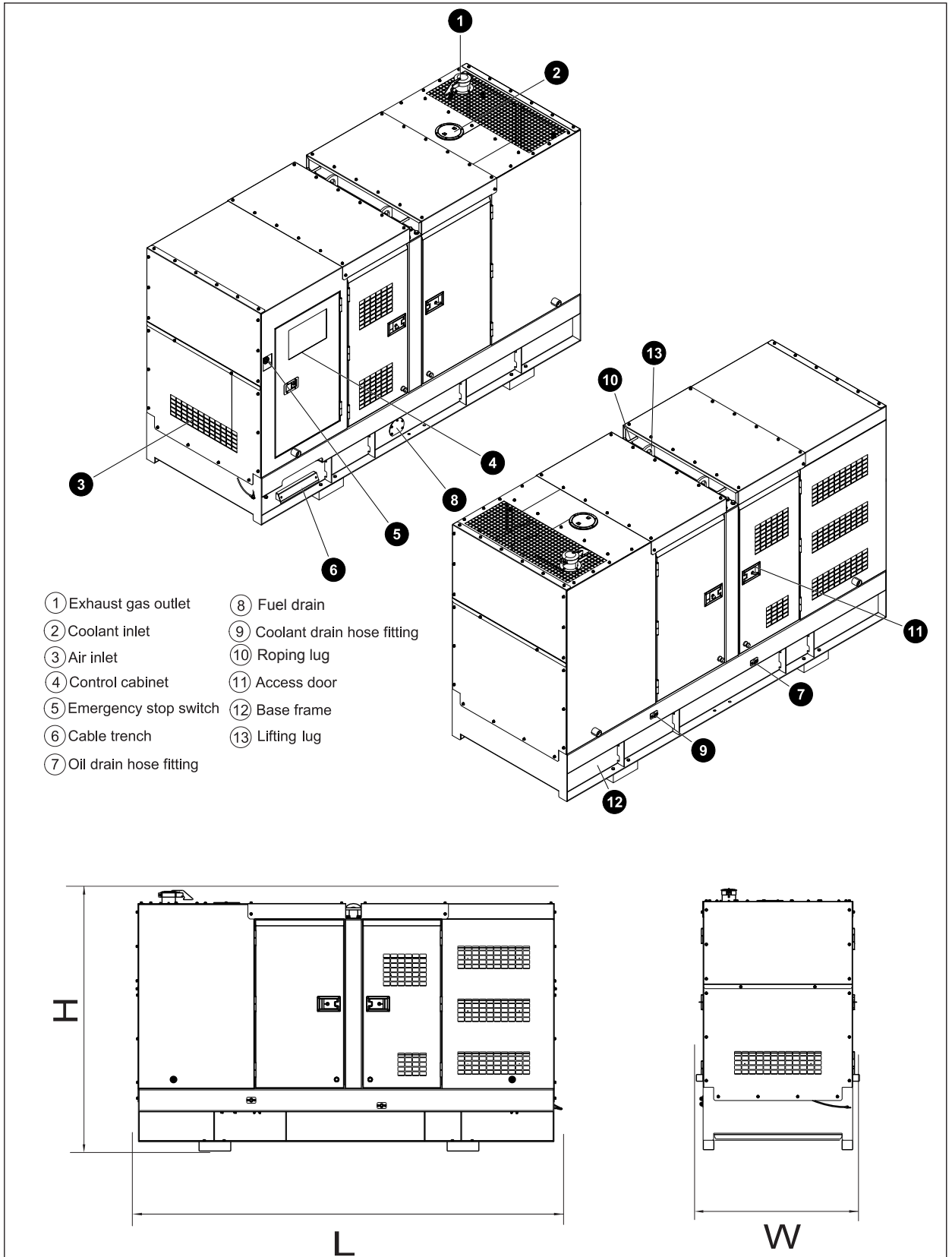


PLC-920 is an advanced control module based on microprocessor designed to control the engine via push buttons on the front panel. The module is used to start and stop the engine and indicate fault conditions, automatically shutting down the engine and giving a true first up fault condition of an engine failure.

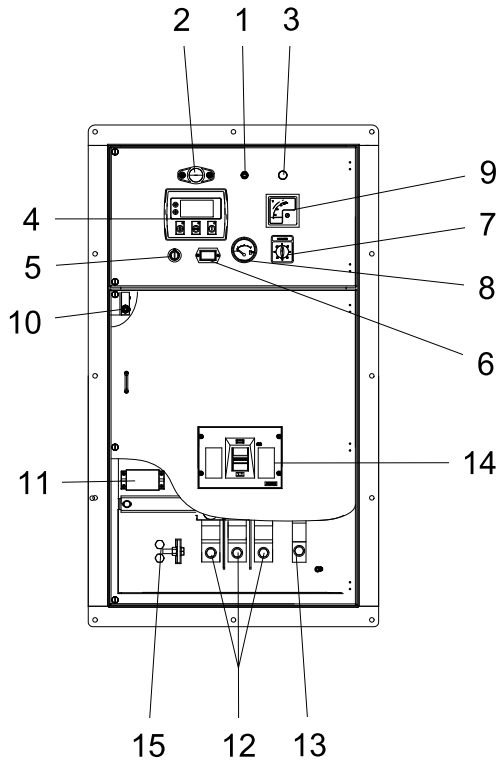
Standard Control Function

- Manual Engine Control Module
- Low Oil Pressure
- High Engine Temperature
- Auxiliary Shutdown
- Overspeed Protection
- Protection hold-off timer
- Charge Failure warning

4 Overall Dimensions

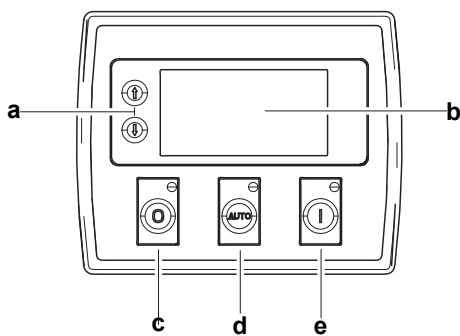


5 Control System



Ref.	Description
1	Control cabinet lamp switch
2	Control cabinet lamp
3	Charge indicator
4	Control module
5	Key switch
6	Time counter
7	Voltage changer-over switch
8	Fuel level meter
9	Voltage meter
10	Limit switch
11	Mains input/Remote control/ATS connector
12	Live wire terminal
13	Neutral wire terminal
14	Main circuit breaker
15	Ground wire terminal

Control & field wiring cabinet



Control module

Ref.	Description
a	Navigation button£» Accept (Configuration mode only)
b	Main status display
c	Stop/reset button£» Next page (Configuration mode only)
d	Auto start button£» Decrease value/next item (Configuration mode only)
e	Start button£» Increase value/next item (Configuration mode only)

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<http://www.powerlinkworld.com>

*Specification may change without prior notice. For more info.,
contact Power Link or your local distributors please.*