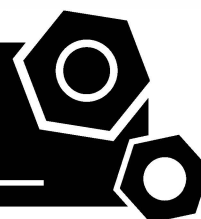


Generator set
Sound-proof type
QSV150BS

SPECIFICATIONS



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- Conformance Européenne (CE)
- ISO8528-5:2005
- AS 3000-2018
- AS 3010-2017

Environmental Operating Conditions

- Installation place: Outdoors or indoors (well ventilated).
- Ambient temperature: -25°C to 45°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.

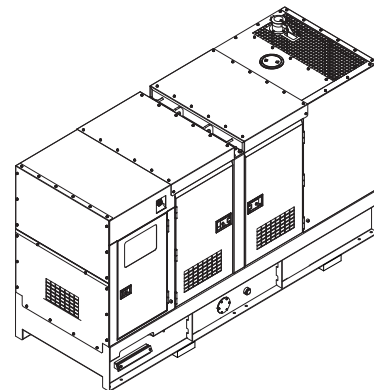
2 General Features

- Baudouin engine 6M11G165/5
- Close coupled to PowerLink alternator PL3D
- Microprocessor control module PLC-7420
- Main circuit breaker: 250A
- Rotate speed governor: EFC
- Excitation System: Self Excited,SHUNT
- A.V.R.Model: S 440
- Key switch
- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- Remote run connector
- 1x12V/120AH sealed for life maintenance free battery

- Lockable battery isolator switch
- Powder coated canopy
- 50°C radiator
- Oil pump on the engine
- Steel base frame with forklifts
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank
- Drain points for fuel tank
- Breather valve for fuel tank
- Operator's Manual / Specifications

3 Equipment Specification

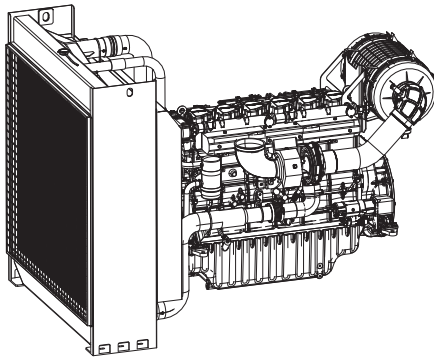
General technical data



Model.....	QSV150BS
Structure type	R
Tank capacity.....	320L
Dry weight.....	2269kg
Noise level @7m	72dBA
Dimensions L×W×H.....	3338x1227x2153mm
Standby Power	165kVA/132kW
Prime Power	150kVA/120kW

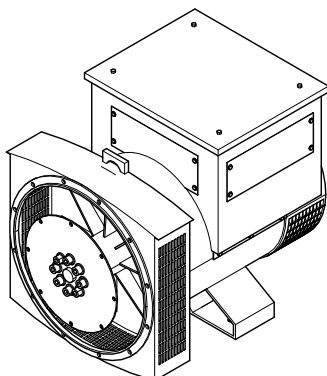
Voltage	380V	400V	415V		
Ampere	228A	217A	209A		
Genset Fuel Consumption					
Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	9.3	16.7	24.6	32.6	36.1

Diesel Engine



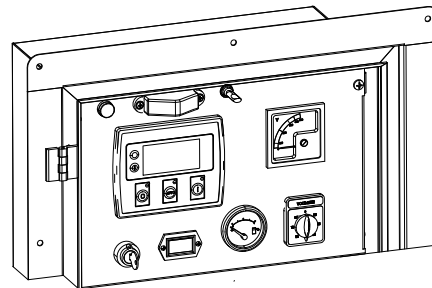
Engine Manufacturer/Brand.....	Baudouin
Engine Model.....	6M11G165/5
Dimensions L×W×H.....	1712 x 806 x 1110mm
Dry Weigh (approx.)	710kg
Number of Cylinders.....	6
Bore.....	105mm
Stroke	130mm
Displacement.....	6.75L
Compression Ratio	18.0
Type of Injection	Direct
Intake System.....	Turbocharged and Aftercooled
Intake Resistance	≤6.0kPa
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	12V
Type of Fuel.....	BS2869 class A2 or BS EN590
Type of Oil	API CH4 15W/40
Oil Capacity	17L
Type of Coolant	Glycol Mixture
Coolant capacity	20L
Back Pressure	≤ 6kPa
Standby Power	152kW
Prime Power	138kW
Fuel Consumption(100%load)	32.6L/h

Alternator



Alternator Manufacturer/Brand	PowerLink
Alternator Model	PL3D
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

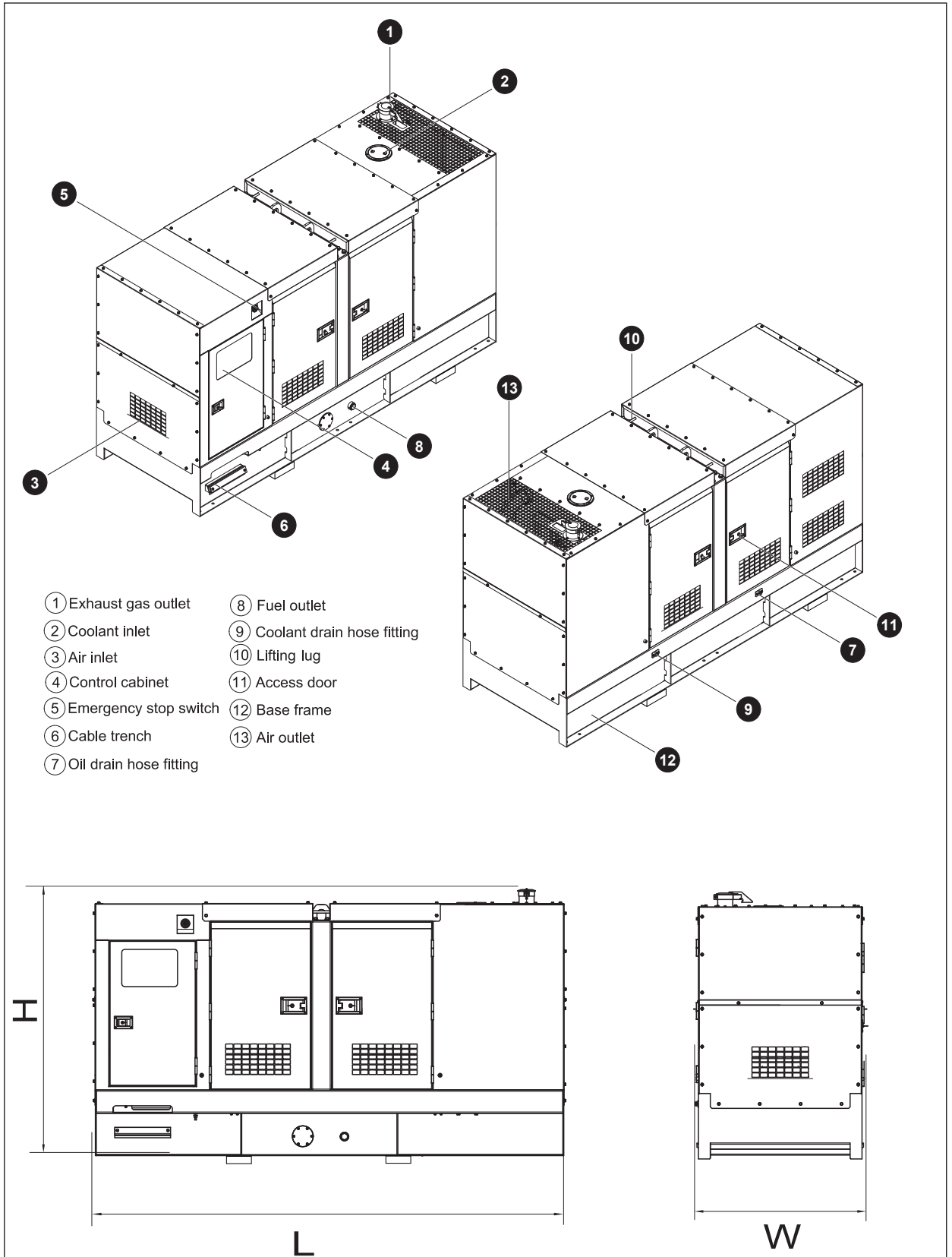


PLC-920 is an advanced control module based on microprocessor designed to control the engine via push buttons on the front panel. The module is used to start and stop the engine and indicate fault conditions, automatically shutting down the engine and giving a true first up fault condition of an engine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

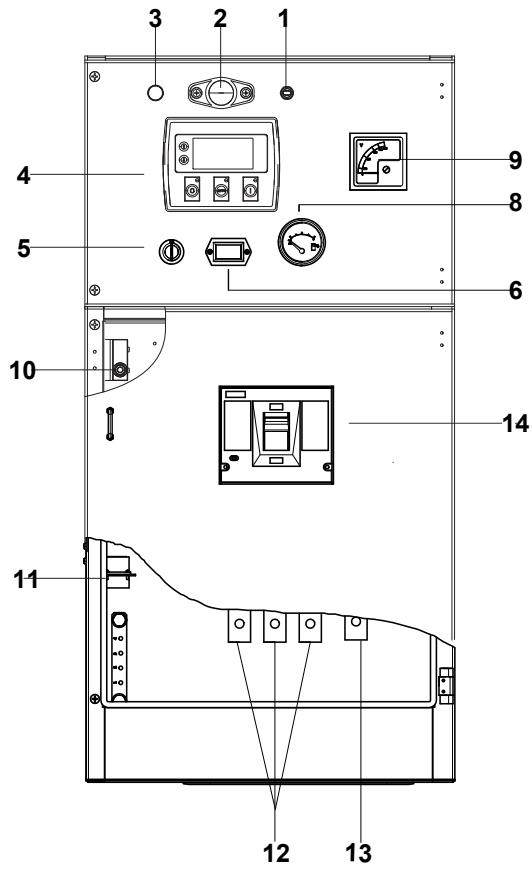
Standard Control Function

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

4 Overall Dimensions

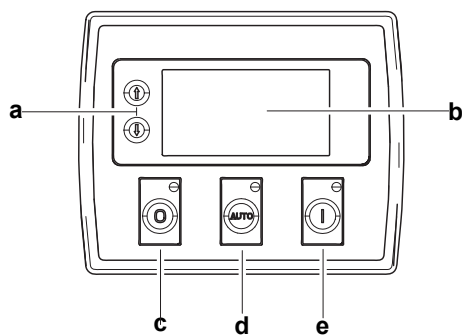


5 Control System



Control & field wiring cabinet

Ref.	Description
1	Control cabinet lamp switch
2	Control cabinet lamp
3	Charge indicator
4	Control module
5	Key switch
6	Time counter
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



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)

QSV150BS

02.2023
