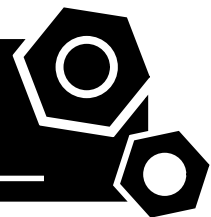


Generator set

Containerized type

GMS800CS-AU

SPECIFICATIONS



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- Conformance Européenne (CE)
- China Compulsory Certification (CCC)
- TLC Quality Certification (TLC)
- ISO8528-1995
- GB/T2820-1997
- AS 3000-1997
- AS 3010.1-1988

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

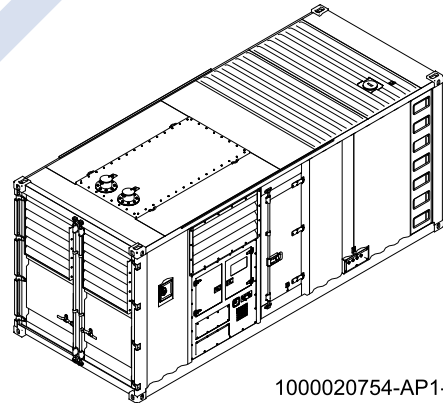
2 General Features

- Cummins engine KTA38G2B
- Close coupled to a Stamford alternator LVI634C
- Microprocessor control module PLC-5220
- ABB main circuit breaker: 3-Phase 1250A
- Rotate speed governor: Electrical governor FP801
- Excitation System: Self Excited, SHUNT
- A.V.R. Model: MX321
- Key switch

- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- Remote run connector
- 2x12V sealed for life maintenance free battery
- Lockable battery isolator switch
- Powder coated canopy
- 50°C radiator
- Oil pump on the engine
- Non-returning valve for fuel inlet hose of the engine
- Steel base frame with forklifts
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for 24 hours running
- Drain points for fuel tank
- Breather valve for fuel tank
- Operation Manual / Parts List / Specifications

3 Equipment Specification

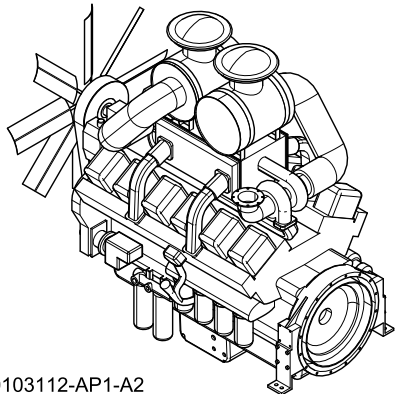
General technical data



1000020754-AP1-A2

Model.....	GMS800CS-AU
Structure type	C
Tank capacity.....	1150L
Dry weigh.....	12065kg
Noise level @7m	N/A
Dimensions L×W×H.....	6058×2438×2725mm
Standby Power	880kVA/704kW
Prime Power	800kVA/640kW
Voltage/Ampere	415V/1113A

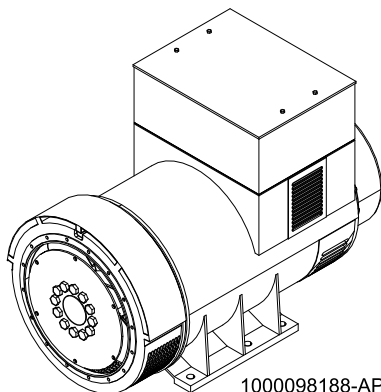
Diesel engine



1000103112-AP1-A2

Engine Manufacturer/Brand.....	Cummins
Engine Model.....	KTA38-G2B
Dimensions L×W×H.....	N/A
Dry Weigh (approx.).....	3723kg
Number of Cylinders.....	12
Bore.....	159mm
Stroke.....	159mm
Displacement.....	37.5L
Compression Ratio.....	14.5
Type of injection.....	Direct injection
Intake System.....	Turbo charged
Intake Resistance.....	6.23kPa
Cooling System.....	Water cooled
Fan.....	Pusher
Battery Voltage.....	24V
Type of Fuel.....	No.2 or ASTM D975
Type of Oil.....	CF4/SG15W-40
Oil Capacity.....	135L
Type of Coolant.....	Glycol mixture
Coolant Capacity.....	194L
Back Pressure.....	≤10kPa
Standby Power.....	.895kW
Continuous Power.....	.813kW
Fuel Consumption(100%load).....	191L/h

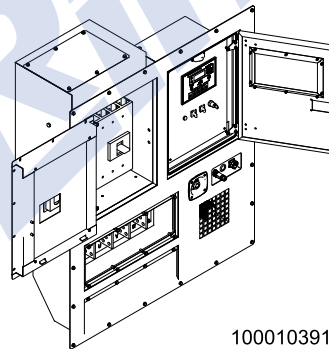
Alternator



1000098188-AP1-A1

Alternator Manufacturer/Brand.....	Stamford
Alternator Model.....	LVI634C
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.....	2.18m³/s(50Hz),2.63m³/s(60Hz)
Voltage Regulation.....	±0.5%
Total Harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference.....	THF<2%;TIF<50

PLC-5220 Control System



1000103915-AP1-A4

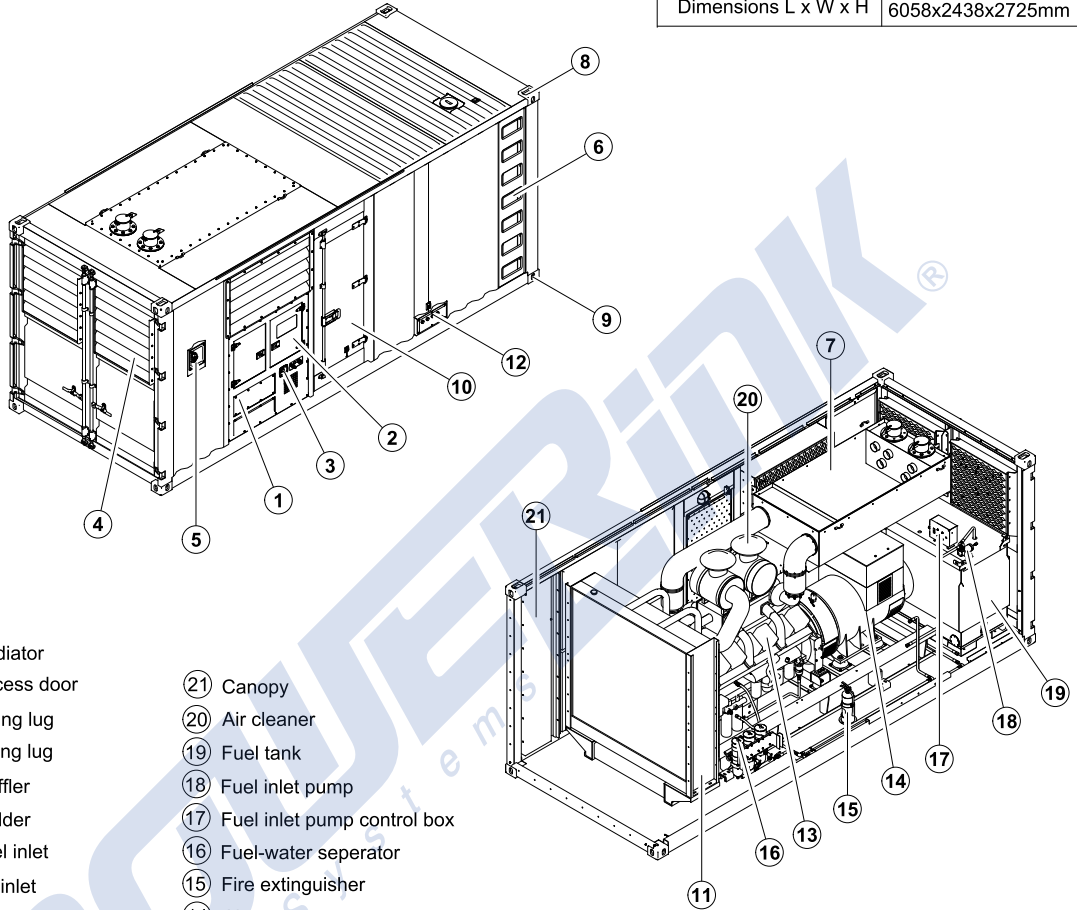
PLC-5220 is an automatic mains failure control module. It is used to monitor the mains supply and automatically start and stop the engine. The module indicates the operational status and fault conditions, automatically shutting down the engine and indicating engine failure on the LCD.

- Microprocessor control, with high stability and credibility
- Mains supply and generator operation monitoring
- Indicating operation status and fault conditions
- Multiple protections; multiple parameters display, like pressure, temp.
- Manual and automatic work mode selectable
- Real time clock for time and date display, overall runtime display, 99 log entries
- Overall power output display
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed
- Communication with PC via RS485 OR RS232 interface, using MODBUS protocol

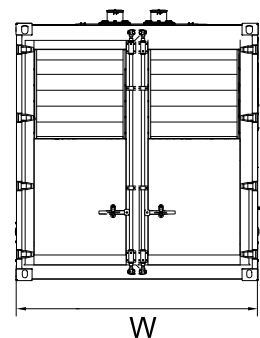
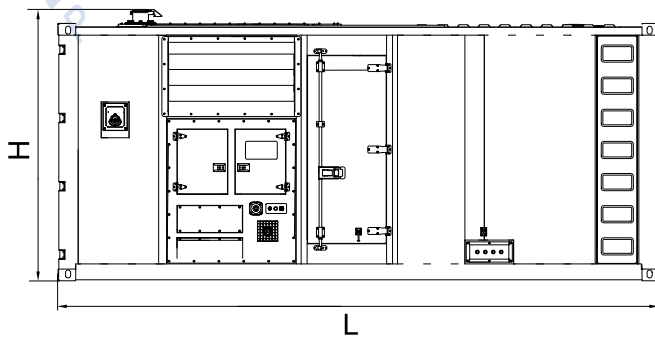
4 Overall Dimensions

1000020754-DR1-A2

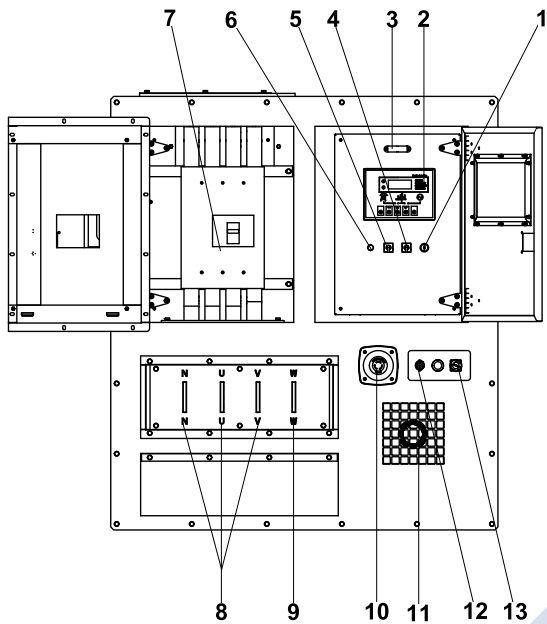
Dry weight	12065kg
Fuel tank capacity	1150L
Dimensions L x W x H	6058x2438x2725mm



- ① Cable trench
- ② Control cabinet
- ③ Emergency stop switch
- ④ Air inlet
- ⑤ Fuel inlet
- ⑥ Ladder
- ⑦ Muffler
- ⑧ Lifting lug
- ⑨ Fixing lug
- ⑩ Access door
- ⑪ Radiator
- ⑫ External fuel inlet/return hose fitting
Coolant/Oil drain hose fitting
- ⑬ Engine
- ⑭ Alternator
- ⑮ Fire extinguisher
- ⑯ Fuel-water separator
- ⑰ Fuel inlet pump control box
- ⑱ Fuel inlet pump
- ⑲ Fuel tank
- ⑳ Air cleaner
- ㉑ Canopy

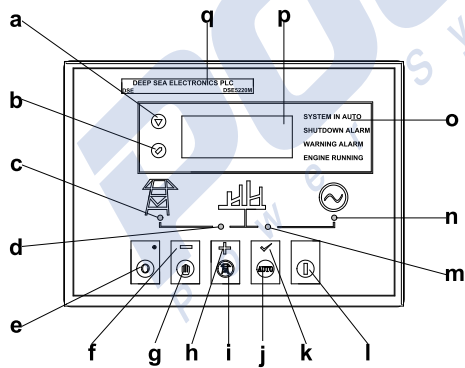


5 Control System



Ref.	Description
1	Key switch
2	Control module
3	Control cabinet lamp
4	Control cabinet lamp switch
5	Mains input changeover switch
6	Charge indicator
7	Main circuit breaker
8	Live wire terminals
9	Neutral wire terminal
10	Emergency stop switch
11	Alarm indicator
12	Remote run connector
13	ATS connector

Control & Field wiring cabinet



Control Panel

a	Scroll button
b	Information button(Change the display page)
c	Mains supply available LED
d	Mains supply on load LED
e	Stop/Reset button
f	Decrease (Configuration mode only)
g	Manual button (Manual control mode)
h	Increase (Configuration mode only)
i	Test button (Test mode)
j	Auto button (Auto mode)
k	Accept (Configuration mode only)
l	Start button
m	Genset on load LED
n	Genset available LED
o	Text insert
p	LCD display
q	Control module name

1000020754-A2-E
09.2010

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Power Systems

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Specification may change without prior notice.

For more info., please contact Power Link or your local distributors.

Local Distributor

