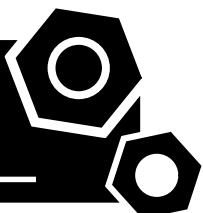


Generator set
Sound-proof type
GMS375CS-AU

SPECIFICATIONS



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- Conformite Europeenne (CE)
- China Compulsory Certification (CCC)
- TLC Quality Certification (TLC)
- ISO8528-1995
- GB/T2820-1997
- AS 3000-2018
- AS 3010.1-2017

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

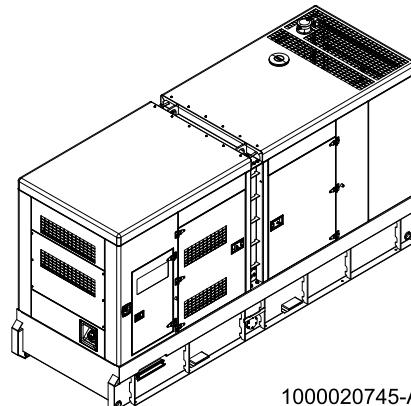
2 General Features

- Cummins engine NTAA855-G7A
- Close coupled to a Stamford alternator HCI444FS
- Microprocessor control module PLC-7420
- NADER main circuit breaker: 3-Phase 630A
- Rotate speed governor: Electrical governor FP801
- Excitation System: Self Excited,SHUNT
- A.V.R.Model: AS440
- 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 fork slots
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for 8 hours running
- Drain points for fuel tank
- Breather valve for fuel tank
- Operation Manual / Specifications

3 Equipment Specification

General technical data

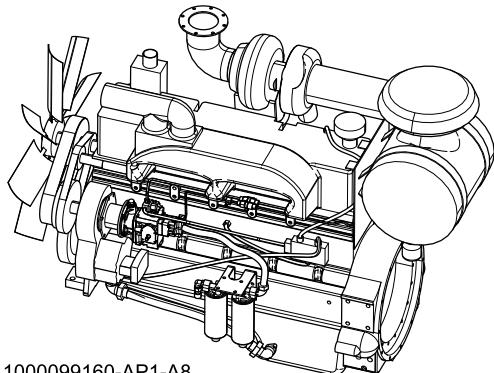


1000020745-AP1-C3

Model.....	GMS375CS-AU
Structure type	R
Tank capacity.....	1600L
Dry weight.....	4992kg
Noise level @7m	N/A
Dimensions L×W×H.....	4425x1515x2500mm
Standby Power	390kVA/312kW
Prime Power	375kVA/300kW

Voltage	380V	400V	415V
Ampere	569.8A	541.3A	521.7A

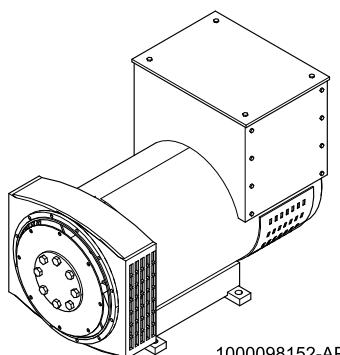
Diesel engine



1000099160-AP1-A8

Engine Manufacturer/Brand.....	Cummins
Engine Model.....	NTAA855G7A
Dimensions L×W×H.....	1964×987×1610mm
Dry Weigh (approx.)	1270kg
Number of Cylinders.....	6
Bore	140mm
Stroke	152mm
Displacement.....	14L
Compression Ratio.....	14
Type of injection.....	Direct injection
Intake System.....	Turbocharged, air-to-air charged cooled
Intake Resistance.....	≤6.22KPa
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	24V
Type of Fuel.....	No.2 or ASTM D975
Type of Oil	API CD/SE or CCMCD4
Oil Capacity	38.6L
Type of Coolant	Glycol mixture
Coolant Capacity	60.6L
Back Pressure	≤10KPa
Standby Power	407kW
Continuous Power	372kW
Fuel Consumption(100%load).....	108L/h

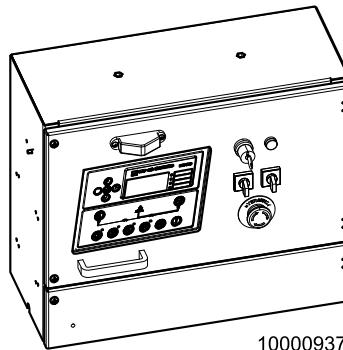
Alternator



1000098152-AP1-A1

Alternator Manufacturer/Brand	Stamford
Alternator Model	HCI444FS
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	2250 rpm
Air Flow.....	0.8 m³/s(50Hz), 0.99 m³/s(60Hz)
Voltage Regulation	± 1.0 %
Total harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference.....	THF<2%;TIF<50

PLC-7420 Control System



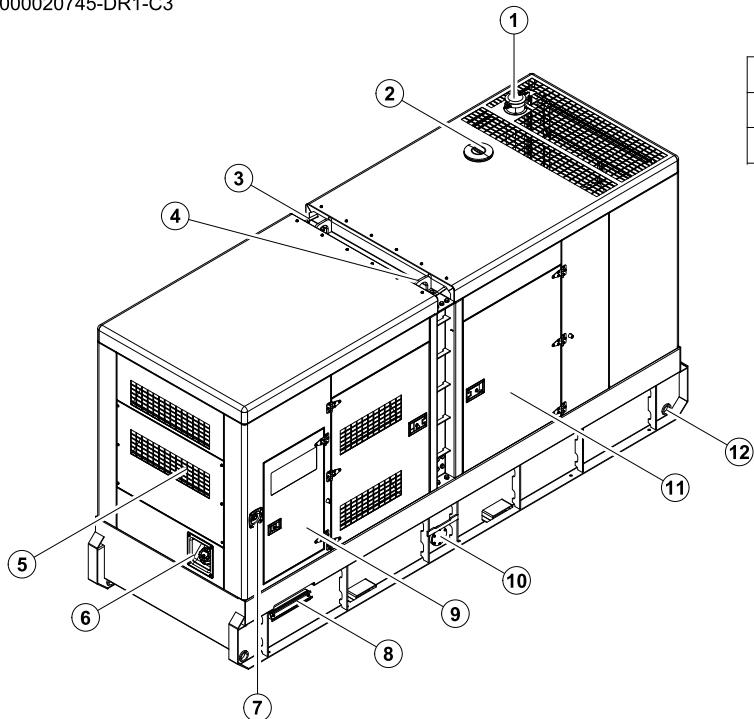
1000093793-AP1-A2

PLC-7420 is an advanced control module based on micro-processor, containing all necessary functions for protection of the genset and the breaker control. It can monitor the mains supply, and automatically start the engine when the mains is abnormal. Accurately measure various operational parameters and display all values and alarms information on the LCD. In addition, the control module can automatically shut down the engine and indicate the engine failure.

- Microprocessor control, with high stability and credibility
- Monitoring and measuring operational parameters of the mains supply and genset
- Indicating operation status, fault conditions, all parameters and alarms
- Multiple protections; multiple parameters display, like pressure, temp. etc.
- Manual, automatic and remote work mode selectable
- Real time clock for time and date display, overall runtime display, 250 log entries
- Overall power output display
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed etc.
- Communication with PC via RS485 OR RS232 interface, using MODBUS protocol

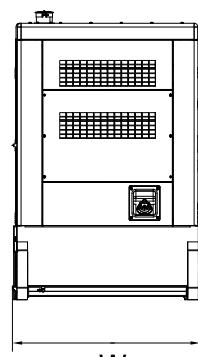
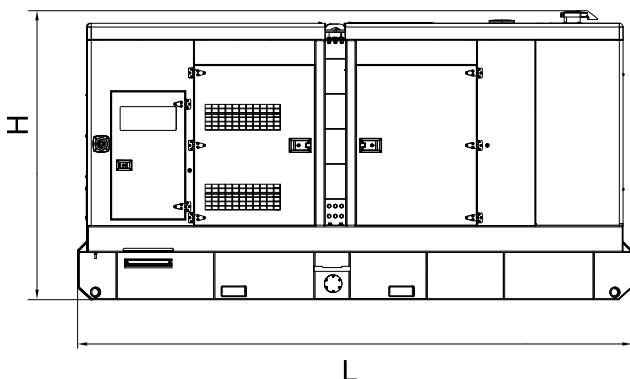
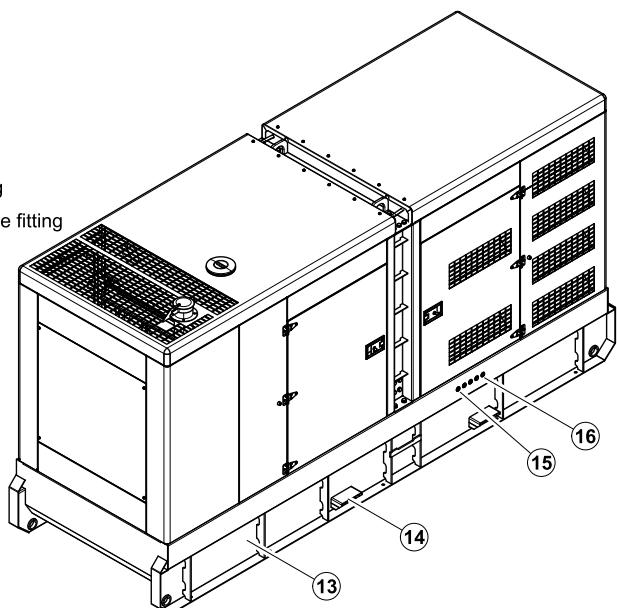
4 Overall Dimensions

1000020745-DR1-C3

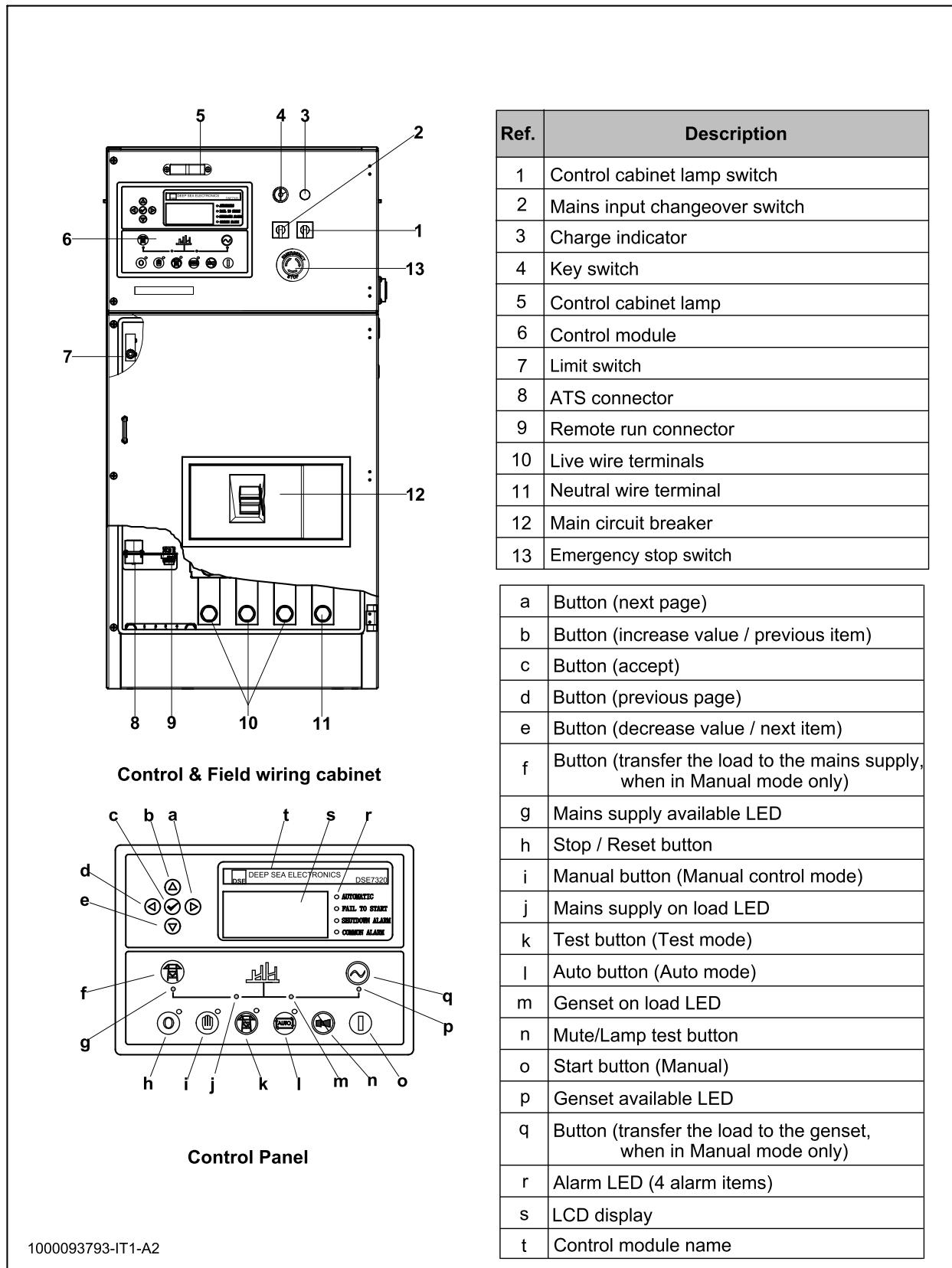


Dry weight	4758kg
Fuel tank capacity	1600L
Dimensions L x W x H	4425x1515x2500mm

- (8) Cable trench
- (16) Coolant/Oil drain hose fitting
- (7) Emergency stop switch
- (15) External fuel inlet/return hose fitting
- (6) Fuel inlet
- (14) Fork lift channel
- (5) Air inlet
- (13) Base frame
- (4) Lifting lug
- (12) Tie down
- (3) Roping lug
- (11) Access door
- (2) Coolant inlet
- (10) Fuel drain
- (1) Exhaust gas outlet
- (9) Control cabinet



5 Control System



1000020745-C3-E

06.2019

<http://www.powerlinkworld.com>

*Specification may change without prior notice. For more info.,
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