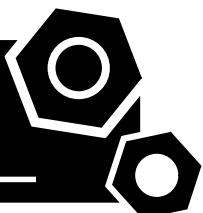


Generator set
Sound-proof type
WPS250S

SPECIFICATIONS



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- Conformite Europeenne (CE)
- China Compulsory Certification (CCC)
- ISO8528-5:2005
- GB/T2820.5-2009

- Lockable battery isolator switch
- Powder coated canopy
- 50°C radiator
- Oil pump on the engine
- Steel base frame with forklift slots
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank with 10 hours running
- Drain points for fuel tank
- Operator's Manual / Specifications

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 80%.
- Altitude: Below one thousand (1000) meters.

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

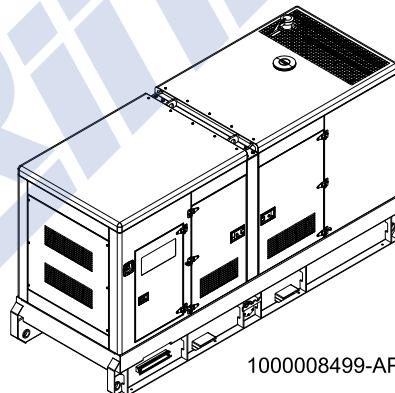
- Painting process specifications and colors are based on the manufacturer's standard.
- The customer could also choose the color which the manufacturer offers.

2 General Features

- Perkins engine 1306C-E87TAG6
- Close coupled to a Leroy Somer alternator LSA46.2L6
- Microprocessor control module PLC-702
- NADER main circuit breaker: 400A
- Rotate speed governor: Electronic fuel injection governor
- Excitation system: Self excited , SHUNT
- A.V.R model: R250
- Key switch
- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- 2x12V/120AH sealed for life maintenance free battery

3 Equipment Specification

General technical data



1000008499-AP1-C3

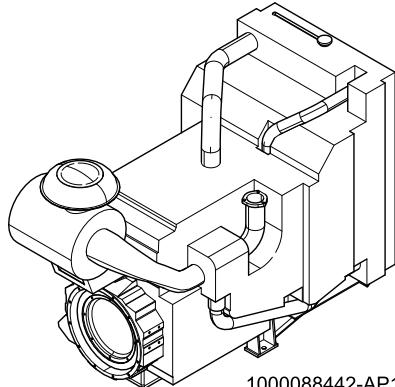
Model.....	WPS250S
Structure type	R
Tank capacity.....	470L
Dry weigh.....	3139kg
Noise level @7m	70.6dBA
Dimensions L×W×H.....	3662×1353×2000mm
Standby Power	260kVA/208kW
Prime Power	250kVA/200kW

Voltage	380V	400V	415V	440V
Ampere	379.8A	360.9A	347.8A	328.1A

Genset Fuel Consumption

Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	N/A	24.0	36.0	45.0	49.7

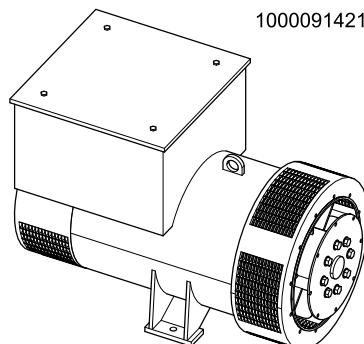
Diesel Engine



1000088442-AP1-A3

Engine Manufacturer/Brand.....	Perkins
Engine Model.....	1306C-E87TAG6
Dimensions L×W×H.....	1822×875×1369mm
Dry Weigh (approx.)	671kg
Number of Cylinders.....	6
Bore	116.6mm
Stroke.....	135.9mm
Displacement.....	8.7L
Compression Ratio.....	16.9
Type of injection.....	Direct injection
Intake System.....	Turbocharged, air-to-air charge cooled
Intake Resistance.....	$\leq 6.22\text{kPa}$
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	12/24V
Type of Fuel.....	EPA 2D 89.330-96
Type of Oil	API-CH-4, API-CG-4 or ACEA E3
Oil Capacity	28.3L
Type of Coolant	Glycol mixture
Back Pressure	$\leq 10.7\text{kPa}$
Standby Power	246kW
Prime Power	224kW
Fuel Consumption(100%load).....	56.9L/h

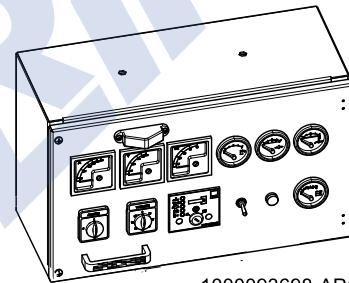
Alternator



1000091421-AP1-A2

Alternator Manufacturer/Brand	Leroy Somer
Alternator Model	LSA46.2L6
Exciter.....	Brushless
Cooling Fan	Cast alloy aluminum
Windings.....	100% copper
Insulation Class	H
Winding Pitch.....	2/3
Terminals	12
Drip Proof	IP23
Altitude.....	$\leq 1000\text{m}$
Overspeed	2250rpm
Air Flow.....	0.43m ³ /s(50Hz), 0.51m ³ /s(60Hz)
Voltage Regulation	$\pm 0.5\%$
Total harmonic TGH / THCno load < 2.5 % - on load < 2.5%	
Telephone Interference.....	THF<2%;TIF<50

PLC-702 Control System



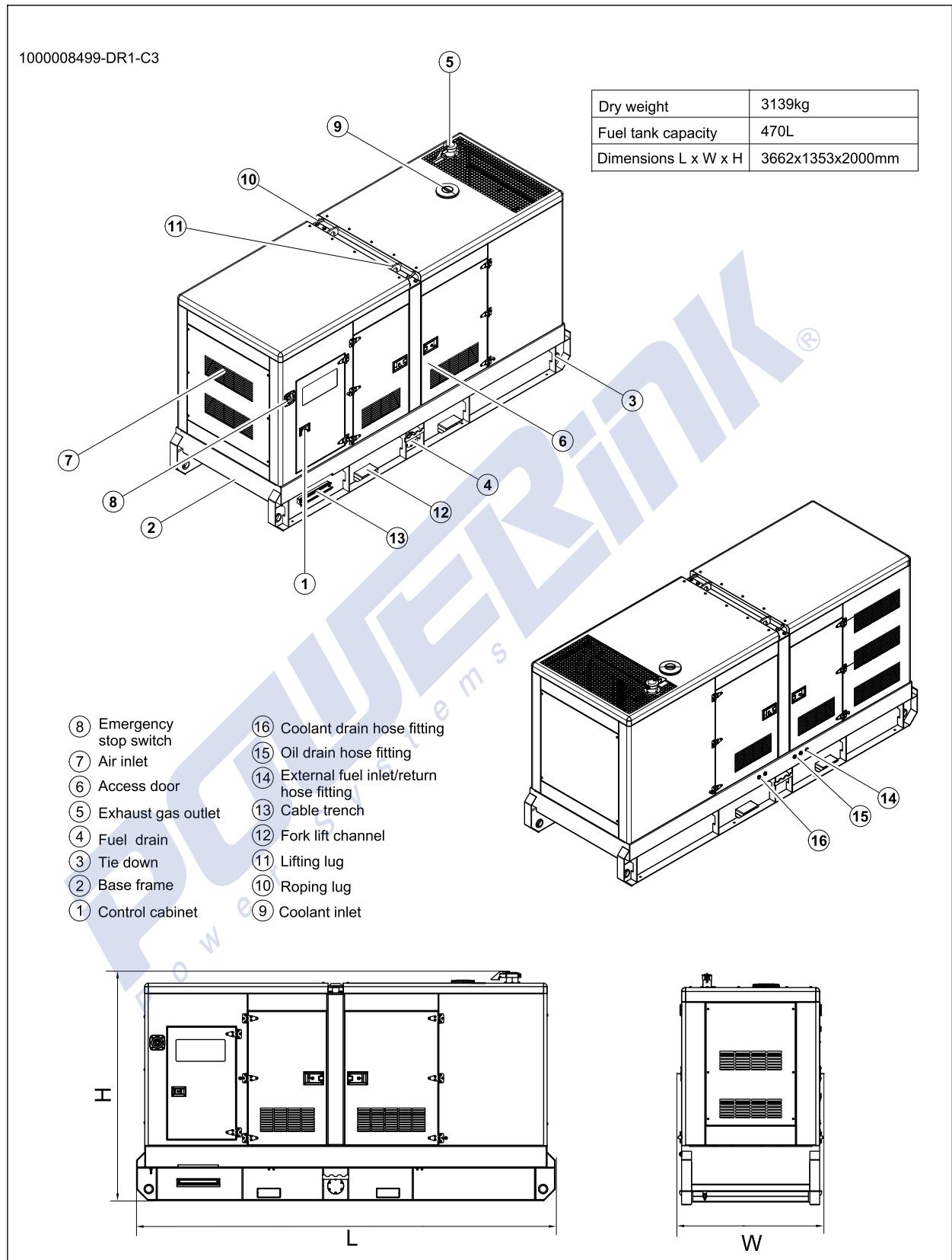
1000093698-AP1-B2

PLC-702 key manual start module is a manual engine control module designed to control the engine via a key switch and 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.

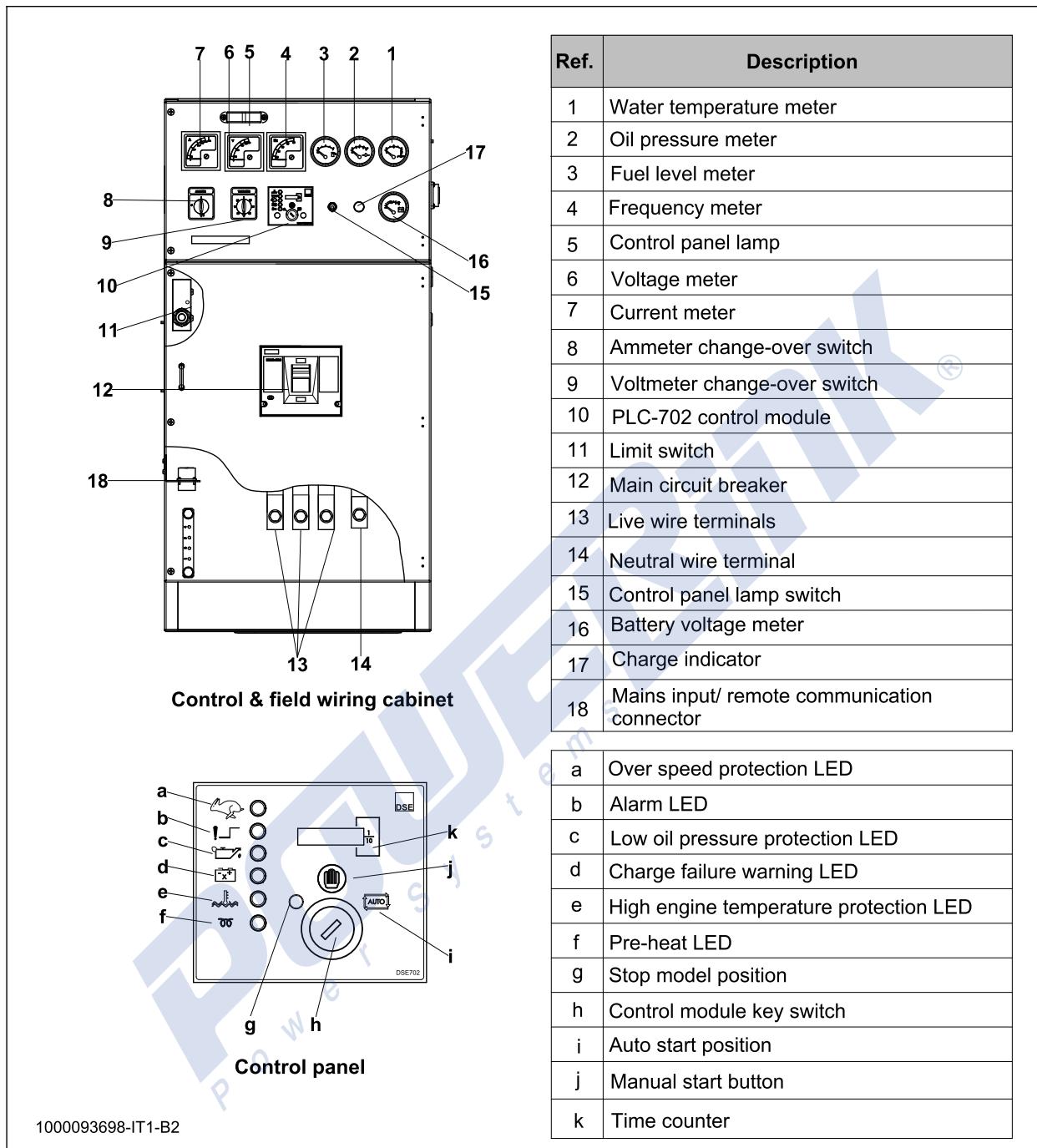
Standard Control Function

- 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



1000008499-C3-E

12.2012



<http://www.powerlinkworld.com>

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

©2012 POWERLINK