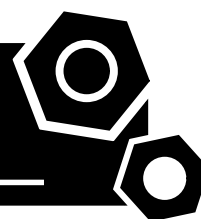


Generator set
Sound-proof type
WPS200S

SPECIFICATIONS



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

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

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.

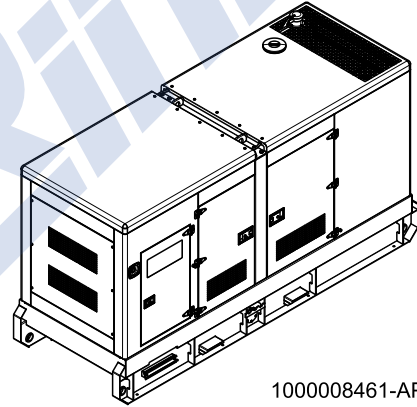
2 General Features

- Perkins engine 1306C-E87TAG3
- Close coupled to a Leroy Somer alternator LSA46.2M5
- Microprocessor control module PLC-702
- NADER main circuit breaker: 315A
- 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

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

3 Equipment Specification

General technical data

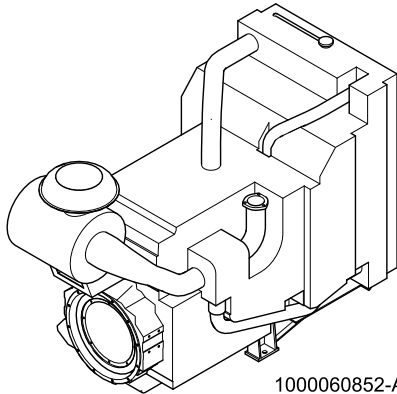


1000008461-AP1-D4

Model.....	WPS200S
Structure type	R
Tank capacity.....	470L
Dry weight.....	3052kg
Noise level @7m	69.7dBA
Dimensions L×W×H.....	3840x1322x1998mm
Standby Power	213.75kVA/171kW
Prime Power	200kVA/160kW

Voltage	380V	400V	415V	440V	
Ampere	303.9A	288.7A	278.2A	262.4A	
Genset Fuel Consumption					
Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	N/A	24.0	35.0	45.2	49.1

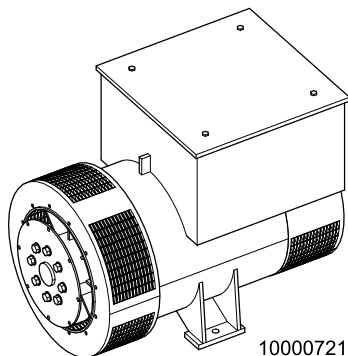
Diesel Engine



1000060852-AP1-A6

Engine Manufacturer/Brand.....	Perkins
Engine Model.....	1306C-E87TAG3
Dimensions L×W×H.....	1822×875×1369mm
Dry Weigh (approx.).....	895kg
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.....	≤6.22kPa
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.....	26.4L
Type of Coolant.....	Glycol mixture
Coolant Capacity.....	37.2L
Back Pressure.....	≤10.7kPa
Standby Power.....	205kW
Prime Power.....	186kW
Fuel Consumption(100%load).....	45.2L/h

Alternator

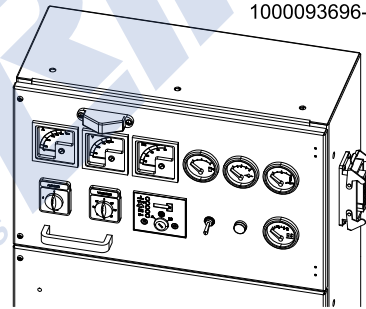


1000072129-AP1-A1

Alternator Manufacturer/Brand.....	Leroy Somer
Alternator Model.....	LSA46.2M5
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.....	0.43m³/s(50Hz), 0.51m³/s(60Hz)
Voltage Regulation.....	±0.5%
Total harmonic TGH / THC.....	at no load < 2.5 % - on load < 2.5%
Telephone Interference.....	THF<2%;TIF<50

PLC-702 Control System

1000093696-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.

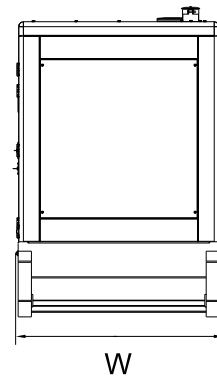
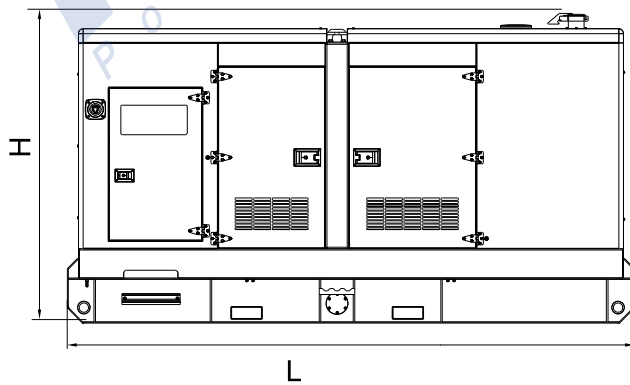
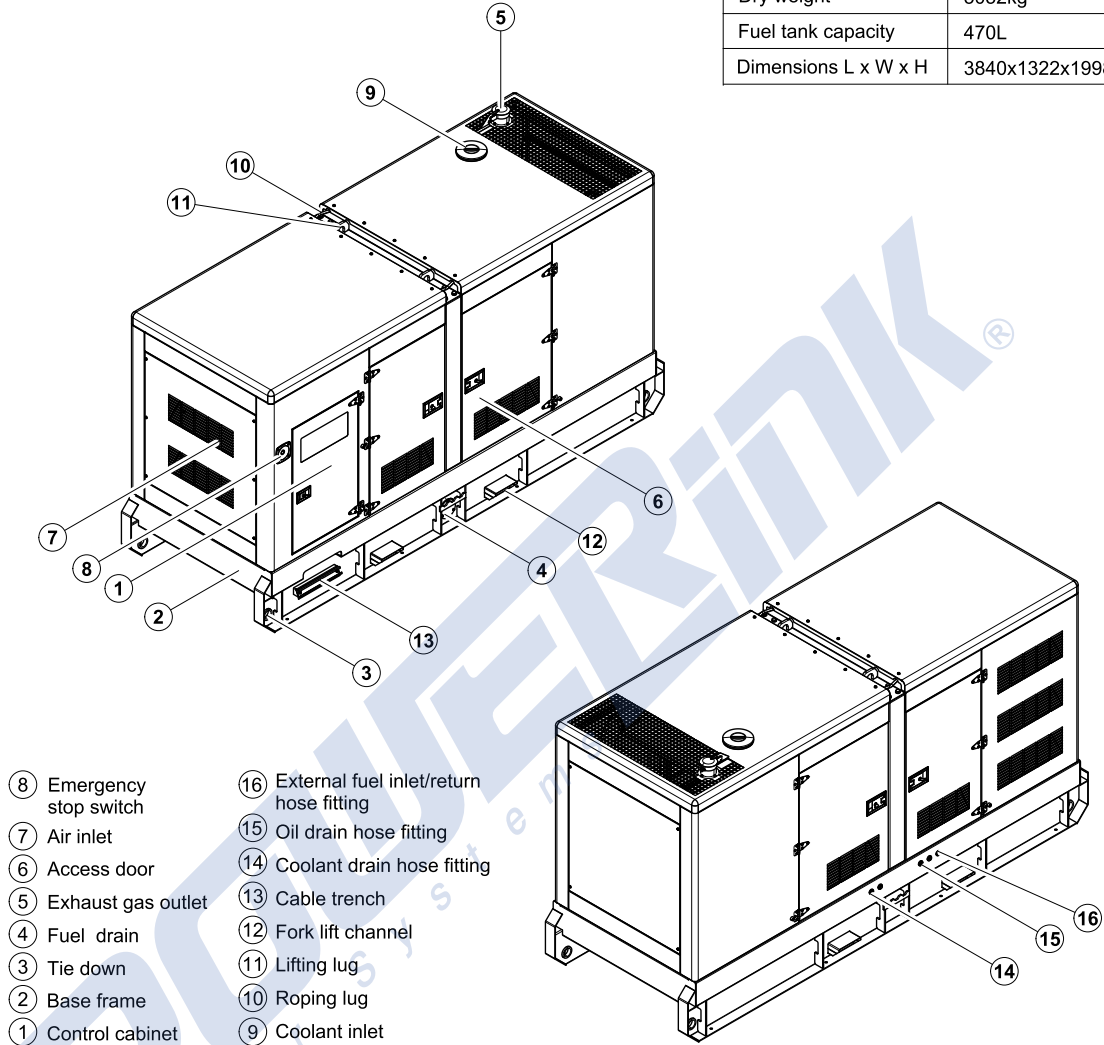
Standard Control Function

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

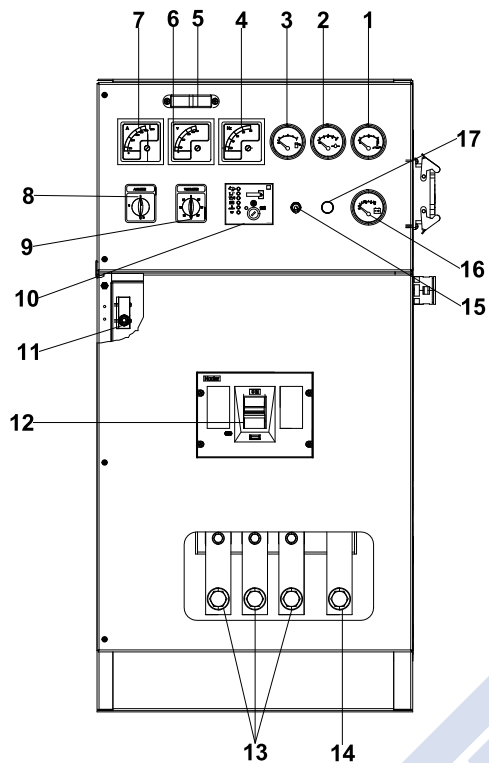
4 Overall Dimensions

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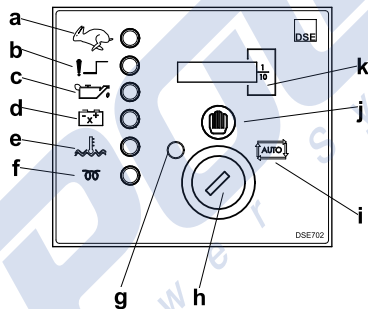
Dry weight	3052kg
Fuel tank capacity	470L
Dimensions L x W x H	3840x1322x1998mm



5 Control System



Control & field wiring cabinet



Control panel

Ref.	Description
1	Water temperature meter
2	Oil pressure meter
3	Fuel level meter
4	Frequency meter
5	Control panel lamp
6	Voltage meter
7	Current meter
8	Ammeter change-over switch
9	Voltmeter change-over switch
10	PLC-702 control module
11	Limit switch
12	Main circuit breaker
13	Live wire terminals
14	Neutral wire terminal
15	Control panel lamp switch
16	Battery voltage meter
17	Charge indicator

a	Over speed protection LED
b	Alarm LED
c	Low oil pressure protection LED
d	Charge failure warning LED
e	High engine temperature protection LED
f	Pre-heat LED
g	Stop model position
h	Control module key switch
i	Auto start position
j	Manual start button
k	Time counter

100008461-D4-E

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