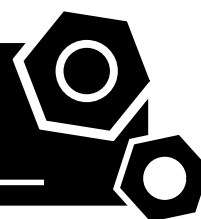


Generator set
Sound-proof type
WPS10S

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

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 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.

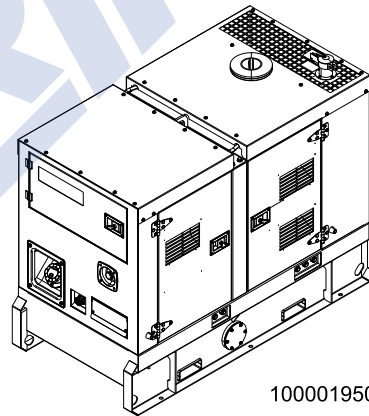
2 General Features

- Perkins engine 403D-11G
- Close coupled to a Leroy Somer alternator LSA42.2VS0
- Microprocessor control module PLC-702
- NADER main circuit breaker: 3-Phase 16A
- Rotate speed governor: Mechanical governor
- Excitation system: Self excited shunt
- A.V.R model: R250
- Key switch

- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- 1x12V 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 for 8 hours running
- Drain points for fuel tank
- Operation Manual / Parts List/ Specifications

3 Equipment Specification

General technical data

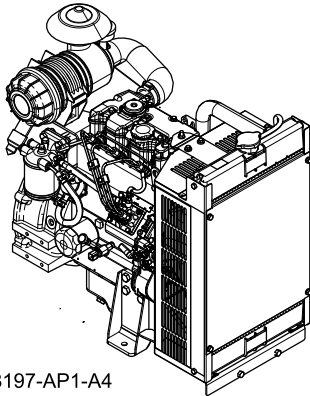


1000019501-AP1-B7

Model.....	WPS10S
Structure type	RS
Tank capacity.....	90L
Dry weigh.....	621kg
Noise level @7m	60dBA
Dimensions L×W×H.....	1632x800x1200mm
Standby Power	11kVA/9kW
Prime Power	10kVA/8kW

Voltage	380V	400V	415V	440V
Ampere	15.2A	14.4A	13.9A	13.1A

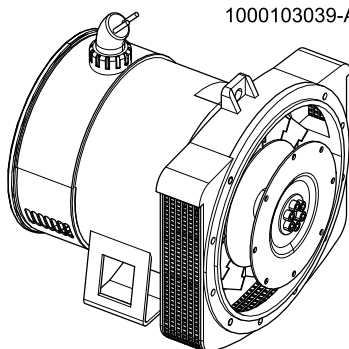
Diesel Engine



1000078197-AP1-A4

Engine Manufacturer/Brand.....	Perkins
Engine Model.....	403D-11G
Dimensions L×W×H.....	776×449×700mm
Dry Weigh (approx.).....	129.2kg
Number of Cylinders.....	3
Bore.....	77mm
Stroke.....	81mm
Displacement.....	1.13L
Compression Ratio.....	23
Type of Injection.....	Indirect injection
Intake System.....	Natural aspirated
Intake Resistance.....	≤6.4kPa
Cooling System.....	Water cooled
Fan.....	Pusher
Battery Voltage.....	12V
Type of Fuel.....	EPA2D 89.330-96/CEC RF-06-99
Type of Oil.....	API-CH-4/ ACEA E5
Oil Capacity.....	4.9L
Type of Coolant.....	Glycol mixture
Coolant Capacity.....	5.2L
Back Pressure.....	≤10.2kPa
Standby Power.....	9.5kW
Continuous Power.....	8.6kW
Fuel Consumption(100%load).....	252g/kWh

Alternator

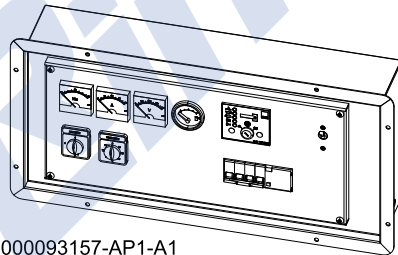


1000103039-AP1-A1

Alternator Manufacturer/Brand.....	Leroy Somer
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Alternator Model.....	LSA42.2VS0
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.....	0.15m³/s
Voltage Regulation.....	±0.5%
Total harmonic TGH / THC.....	< 4%
Telephone Interference.....	THF<2%;TIF<50

PLC-702 Control System



1000093157-AP1-A1

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.

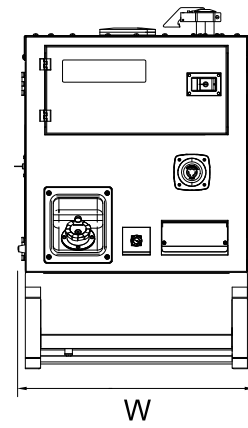
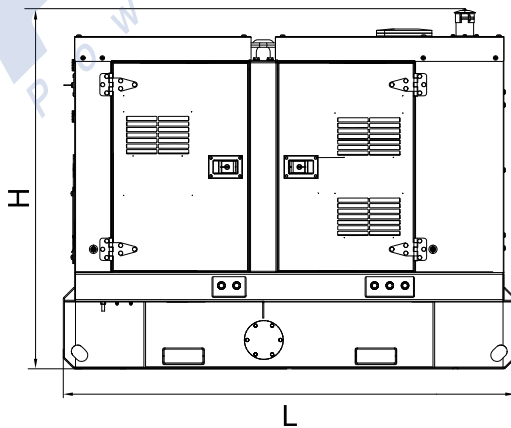
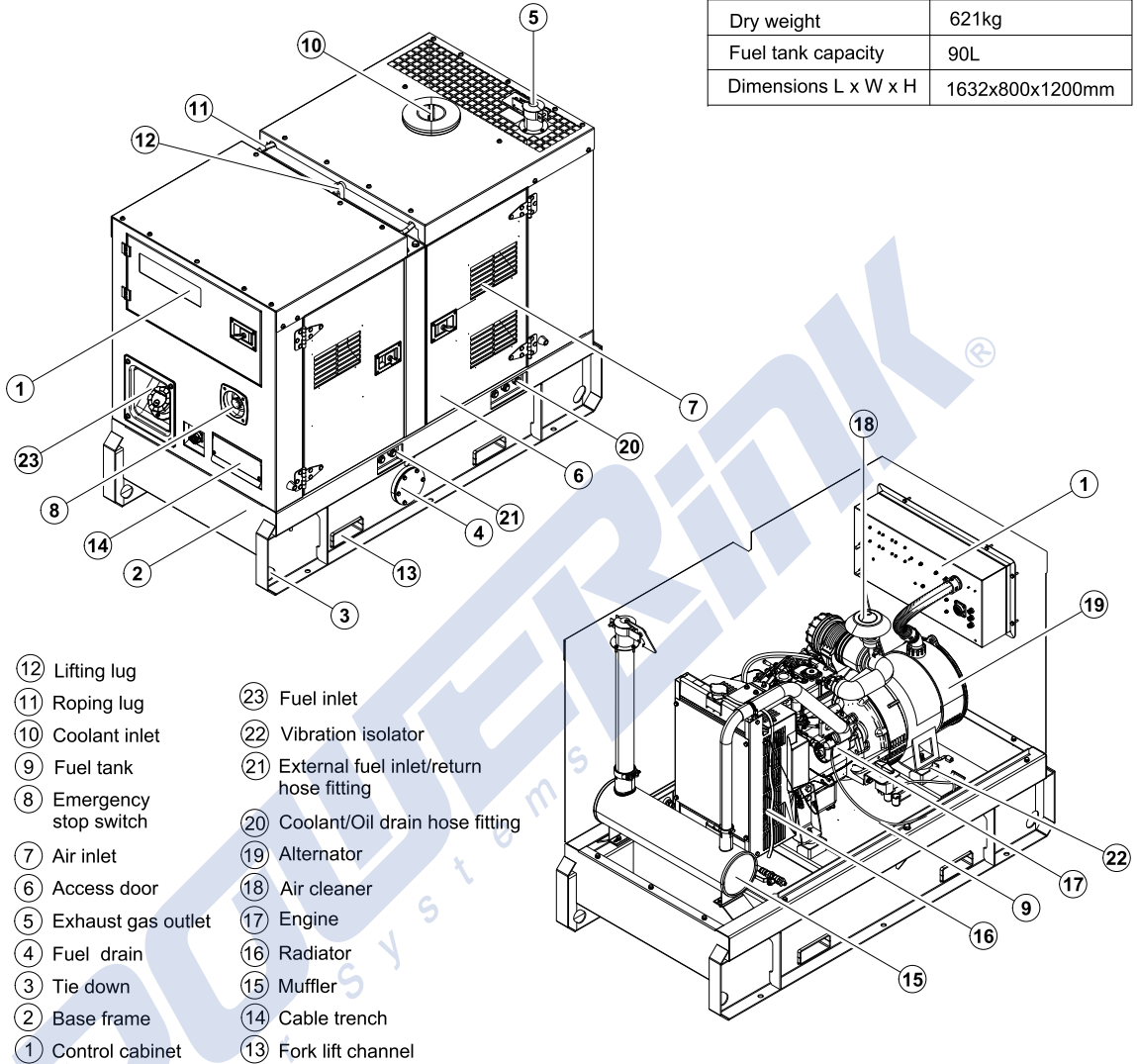
Standard Control Function

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

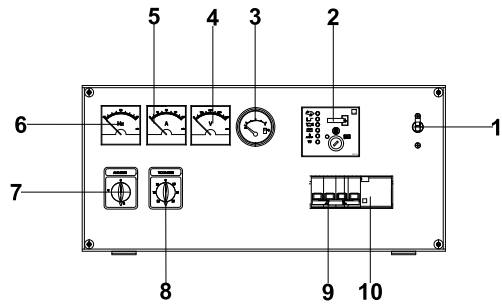
4 Overall Dimensions

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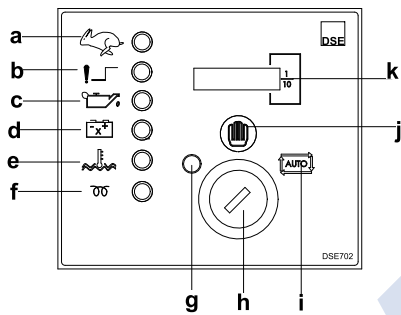
Dry weight	621kg
Fuel tank capacity	90L
Dimensions L x W x H	1632x800x1200mm



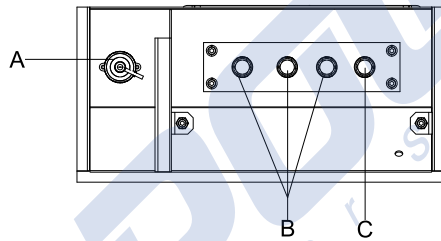
5 Control System



Control cabinet



Control panel



Field wiring cabinet

Ref.	Description
1	Breaker
2	PLC-702 control module
3	Fuel level meter
4	Voltage meter
5	Current meter
6	Frequency meter
7	Ammeter change-over switch
8	Voltmeter change-over switch
9	Main circuit breaker
10	RCD

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

A	ATS Connector
B	Live wire terminals
C	Neutral wire terminal

1000019501-B7-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

