

1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- Conformance European (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 50°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.

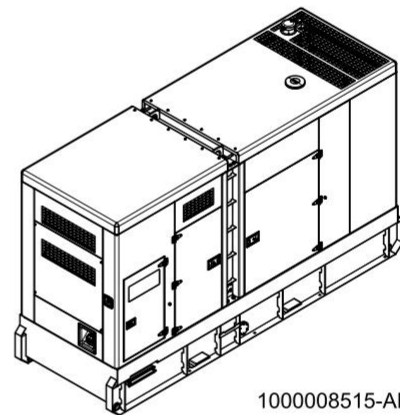
2 General Features

- Perkins engine 2206C-E13TAG2
- Close coupled to a Stamford alternator HCI444E
- Microprocessor control module PLC-920
- NADER main circuit breaker: 630A
- Rotate speed governor: Electronic fuel injection governor
- Excitation System: Self excited, SHUNT
- A.V.R. Model: AS440
- 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 forklifts
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for 11 hours running
- Drain points for fuel tank
- Operation Manual / Specifications

3 Equipment Specification

General technical data

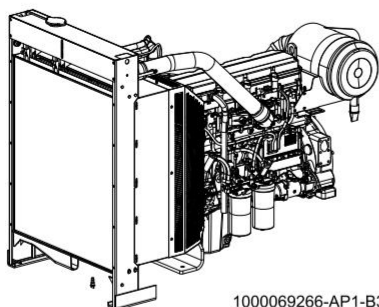


1000008515-AP1-C2

Model.....P350D5
Structure type..... R
Tank capacity.....800L
Dry weight.....4489kg
Sound pressure level @7m80.1dB(A)
Sound power level acc. 2000/14/EC108dB(A)
Dimensions L×W×H..... 4242x1423x2512mm
Standby Power 385kVA/308kW
Prime Power 350kVA/280kW

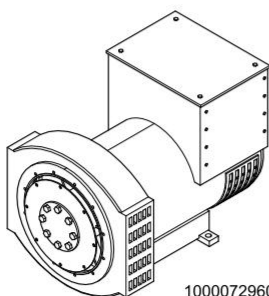
Voltage	380V	400V	415V	440V	
Ampere	532A	505A	487A	459A	
Genset Fuel Consumption					
Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	N/A	38.9	56	72.2	82.6

Power System



1000069266-AP1-B3

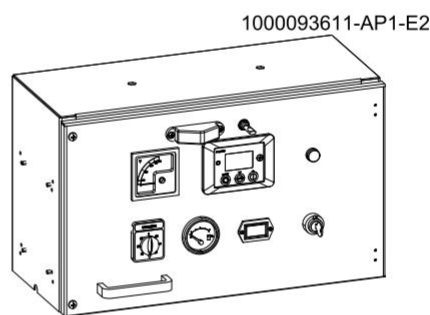
Engine Manufacturer/Brand	Perkins
Engine Model	2206C-E13TAG2
Dimensions L×W×H	2410×1120×1725mm
Dry Weight (approx.)	1478Kg
Number of Cylinders	6
Bore	130mm
Stroke	157mm
Displacement	12.5L
Compression Ratio	16.3
Type of injection	Direct injection
Intake System	Turbocharged, air-to-air charge cooled
Intake Resistance	N/A
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	24V
Type of Fuel	BSEN590 or ASTM D975 Class 1D and 2D.
Type of Oil	15W40 to API CI4.
Oil Capacity	40L
Type of Coolant	Glycol mixture
Coolant Capacity	51.4L
Heat Rejected To Exhaust System	251.8kW(14101BTU/min)
Heat Rejected To Water&Oil	118.4kW(6630BTU/min)
Back Pressure	N/A
Standby Power	320kW
Prime Power	280kW
Fuel Consumption(100%load)	75L/h



1000072960-AP1-A1

Alternator Manufacturer/Brand	Stamford
Alternator Model	HCI444E
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	0.8m³/s(50HZ), 0.99m³/s(60HZ)
Voltage Regulation	±1.0%
Total harmonic TGH / THCat no load	< 1.5 % - on load < 5%
Telephone Interference	THF<2%;TIF<50

PLC-920 Control System



1000093611-AP1-E2

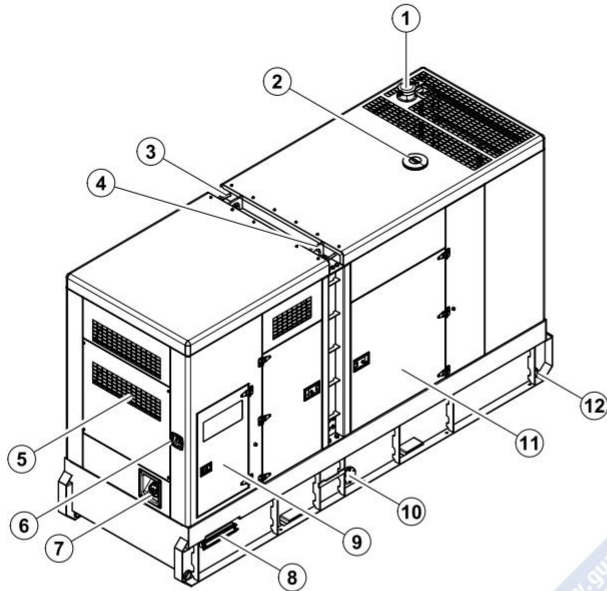
PLC-920 is an advanced control module based on micro-processor designed to control the engine via a key switch and push buttons on the front panel. The module is used to start and stop the engine and indicate fault conditions, automatically shutting down the engine and giving a true first up fault condition 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

1000008515-DR1-C2



Dry weight	4489kg
Fuel tank capacity	800L
Dimensions L x W x H	4242x1423x2512mm

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

