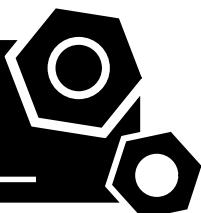


**Generator set
Sound-proof type
PK20S-AU**

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
- AS 3000-1997
- AS 3010.1-1988

- 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 fork slots
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank with 20 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 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

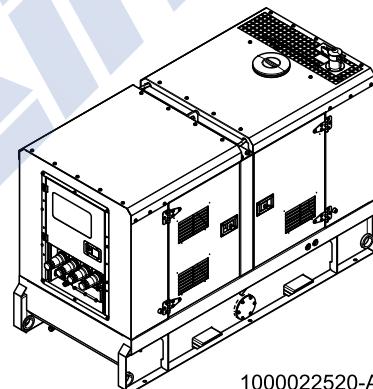
- Painting process specifications and colors are based on the manufacturer's standard.
- The customer could also choose the color which the manufacturer offers.

2 General Features

- KUBOTA engine V2203-BG
- Close coupled to a Stamford alternator PI144H
- Microprocessor control module PLC- **920**
- SCHNEIDER main circuit breaker: 100A
- Rotate speed governor: Mechanical governor
- Excitation system: Self excited , SHUNT
- A.V.R model: AS480
- Key switch
- Emergency stop switch

3 Equipment Specification

General technical data

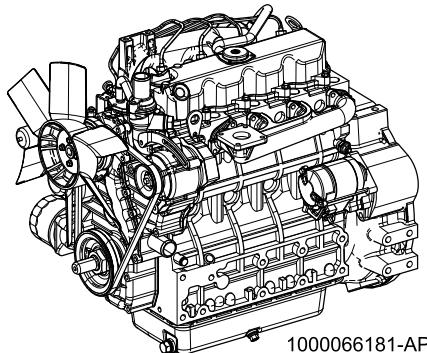


1000022520-AP1-B2

Model.....	PK20S-AU
Structure type	RS
Tank capacity.....	100L
Dry weight.....	854.2kg
Noise level @7m	64 db(A)
Dimensions L×W×H.....	2182x928x1303mm
Standby Power	22kVA/17.5kW
Prime Power	20kVA/16kW

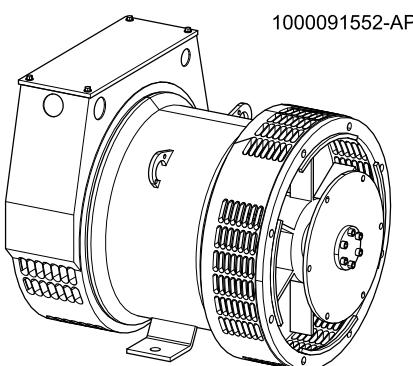
Voltage	220V	230V	240V		
Ampere	90.9A	86.9A	83.3A		
Genset Fuel Consumption					
Frequency/Load	25%	50%	75%	100%	110%
50Hz (L/h)	N/A	2.6	3.8	5.0	6.0

Diesel engine



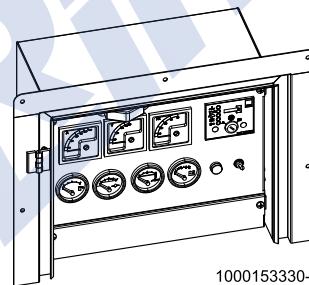
Engine Manufacturer/Brand.....	KUBOTA
Engine Model.....	V2203-BG
Dimensions L×W×H.....	608.4×548.3×642.8mm
Dry Weigh (approx.)	148kg
Number of Cylinders.....	3
Bore	87mm
Stroke	92.4mm
Displacement.....	1.647L
Compression Ratio.....	23
Type of injection.....	N/A
Intake System.....	Natural aspirated
Intake Resistance	1.96kPa
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	12V
Type of Fuel.....	No.2-D(ASTMD975)
Type of Oil	Class CF lubricating oil
Oil Capacity	7.6L
Type of Coolant	Glycol mixture
Coolant Capacity	7.1L
Back Pressure	≤7.07kPa
Standby Power	18.1kW
Prime Power	15.0kW
Fuel Consumption(100%load).....	219g/kW.h

Alternator



Alternator Manufacturer/Brand	Stamford
Alternator Model	PI144H
Exciter.....	Brushless
Cooling Fan	Plastic
Windings.....	100% copper
Insulation Class	H
Winding Pitch.....	2/3
Terminals	4
Drip Proof	IP23
Altitude.....	≤1000m
Overspeed	2250rpm
Air Flow.....	0.135m³/s(50HZ),0.165m³/s(60HZ)
Voltage Regulation	±1.0%
Total harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference.....	THF<2%;TIF<50

PLC-702 Control System



1000153330-AP1-A1

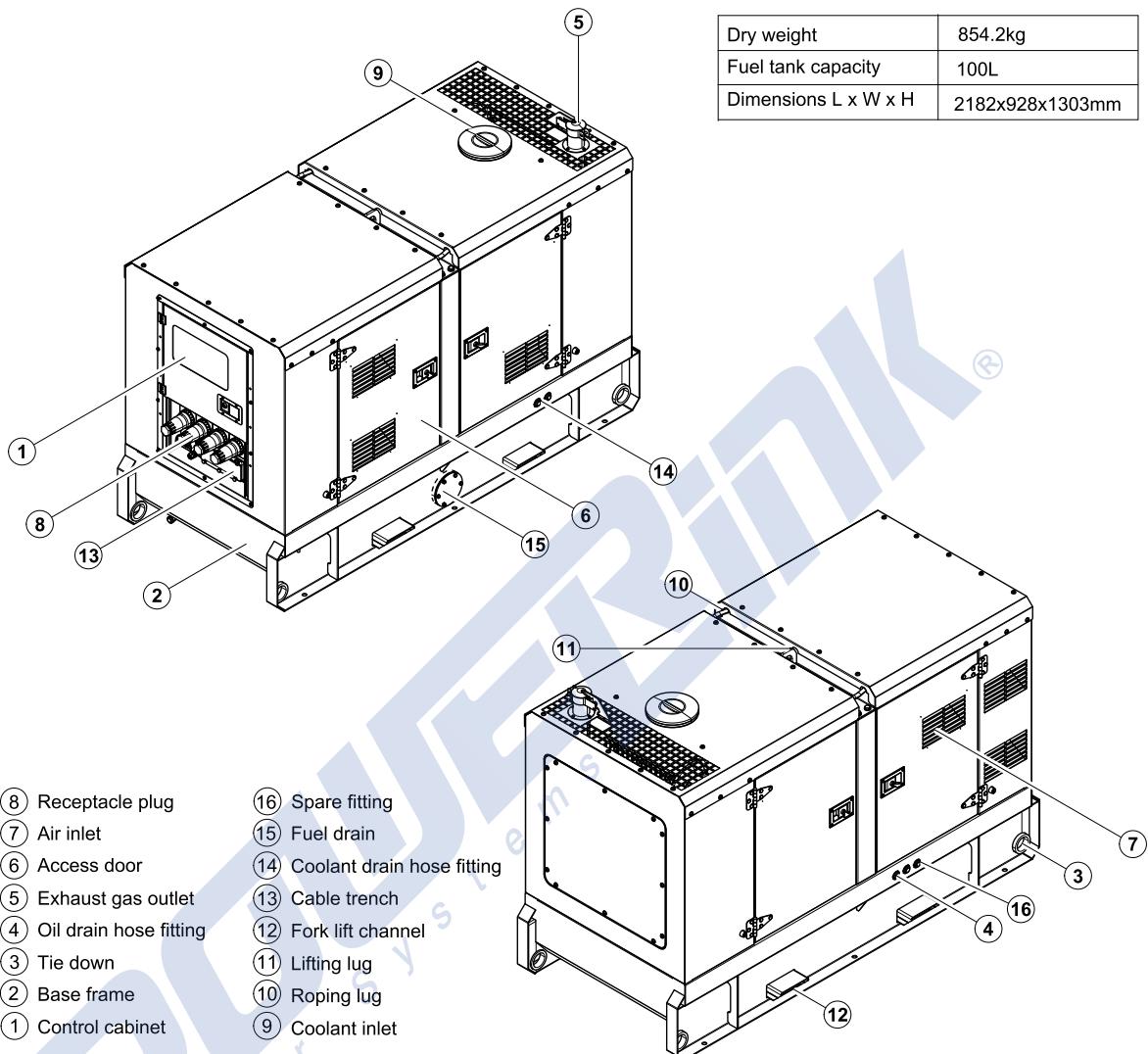
PLC-702 key manual start module is a manual engine control module designed to control the engine via a key switch and push buttons on the front panel. The module is used to start and stop the engine and indicate fault conditions, automatically shutting down the engine and giving a true first up fault condition of an engine failure.

Standard Control Function

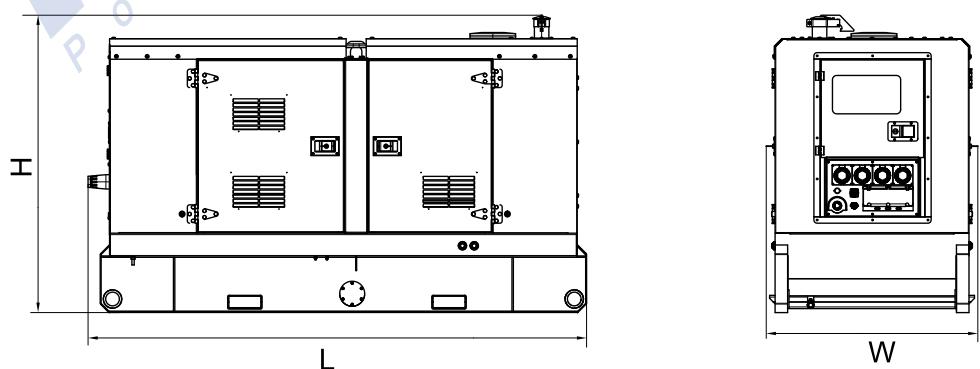
- Manual Engine Control Module
- Low Oil Pressure
- High Engine Temperature
- Auxiliary Shutdown
- Overspeed Protection
- Protection hold-off timer
- Charge Failure warning

4 Overall Dimensions

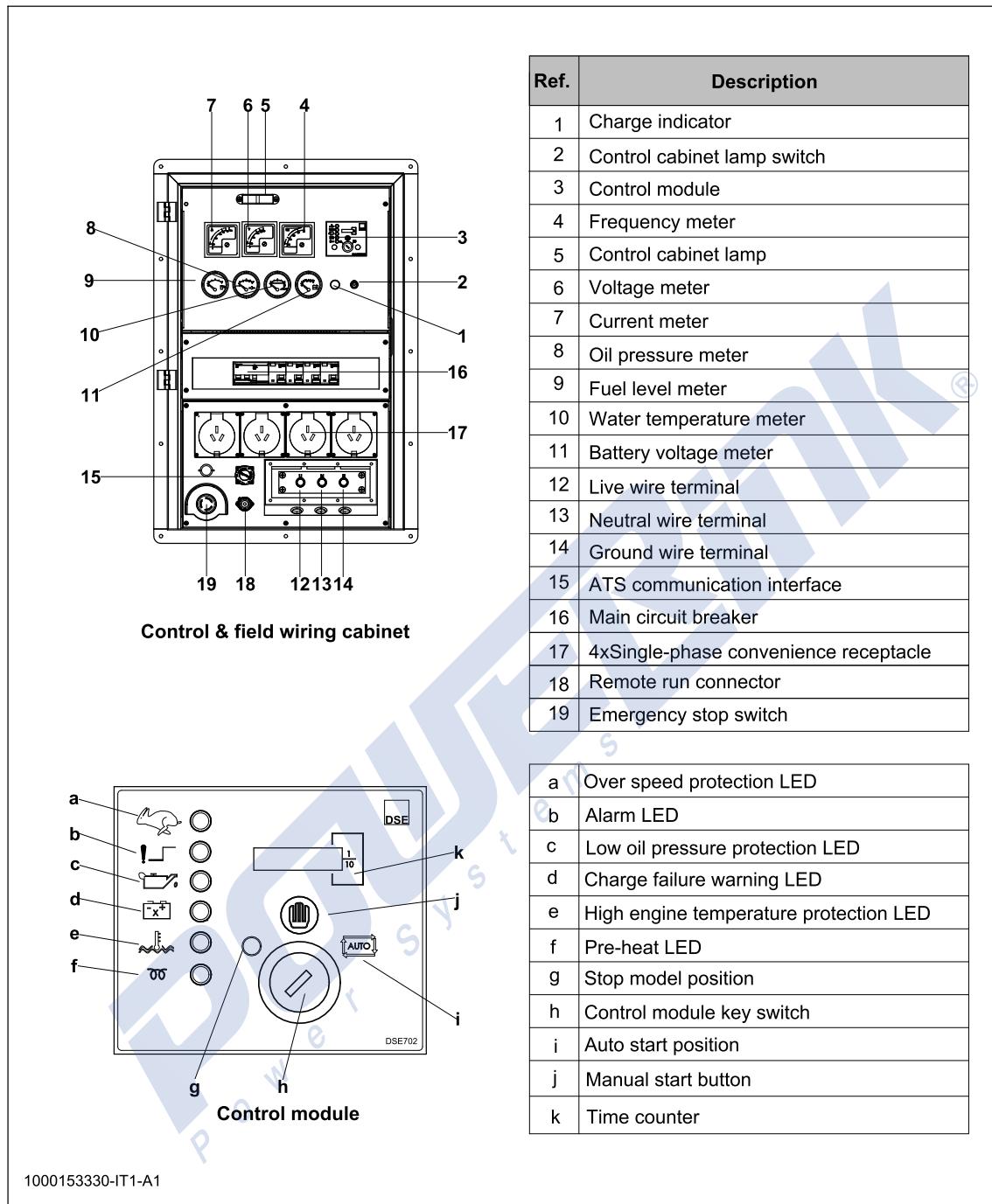
1000022520-DR1-B2



Dry weight	854.2kg
Fuel tank capacity	100L
Dimensions L x W x H	2182x928x1303mm



5 Control System



1000022520-B2-E

07.2012



<http://www.powerlinkworld.com>

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

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