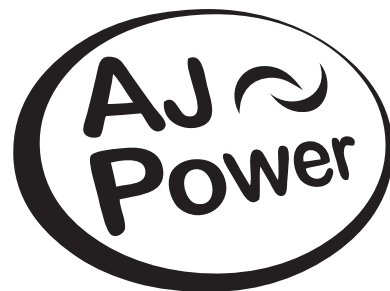




RENTAL SERIES

JR3-AJ22S-5P1





Diesel generating sets worldwide

POWER RATING

Emergency Standby Power ESP	22.0 kVA
Emergency Standby Power ESP	17.6 kW
Prime Power PRP	20.0 kVA
Prime Power PRP	16.0 kW
Frequency	50 Hz
Voltage	400 V
Phases	3
Power Factor	0.8
ESP Current 400V @ 0.8pf	31.8 A
PRP Current 400V @ 0.8pf	28.9 A

Ratings Definition (ISO 8528-1)

ESP - Emergency Standby Power:

It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.

The permissible average power output over 24h of operation shall not exceed 70% of the ESP.

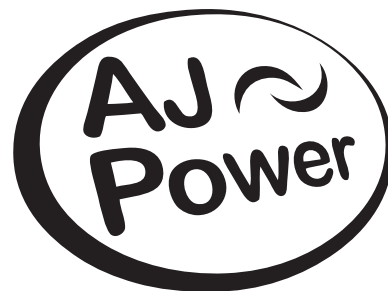
PRP - Prime Power:

It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24h of operation shall not exceed 70% of the PRP.

G2 class load acceptance in accordance with ISO 8528-5.

Gensets are CE compliant.

Fully certified to Stage V emissions up to and including the Prime Power rating.

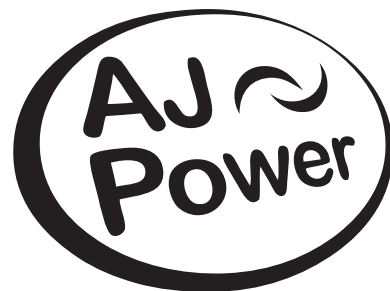


Diesel generating sets worldwide

ENGINE SPECIFICATION

Engine Brand	Perkins UK
Model	404J-22G
Engine Cooling System (Liquid)	50% glycol
No. of Cylinders and Disposition	4 - Inline
Displacement	2.2 litres
Aspiration	Naturally Aspirated
Oil Capacity	6 litres
Lube Oil Specification	A single or multigrade oil conforming to API-CH4 or ACEA E5 must be used.
Coolant Capacity	7 litres
Low Coolant Level	Alarm
Speed Governor	Mechanical
Cold Starting Aid	Glow Plugs
Electric Circuit	12V
Fuel	Diesel
50Hz/60Hz Switchable	No
Operating Speed	1500 rpm
Exhaust Emission Level	Stage V
Service Intervals - Engine Oil and Filters	500 Hours





Diesel generating sets worldwide

ALTERNATOR SPECIFICATION

Alternator	Mecc Alte UK
Model	MA1114E
Type	* Brushless Excitation MAUX Auxiliary Winding
Class	H
IP Protection	23
Poles	4
Winding Leads	12
Digital Voltage Regulator	DER/1
Voltage Tolerance	0.5%
3-Phase Sensing	Yes
Coupling System	Single bearing, Flexible disc
Insulation Protection Systems	** Total +

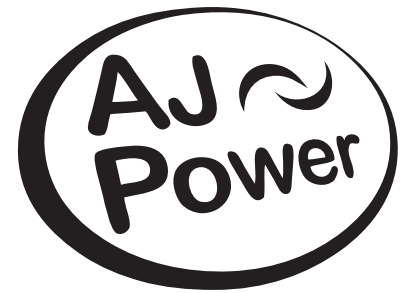
***The MAUX Auxiliary Winding** is a separate winding within the main stator that feeds the regulator. It is capable of >300% sustained short circuit current for up to 20 seconds (enhanced motor starting capability) and provides better isolation for non-linear loads creating current distortion.

**** TOTAL+** With this enhanced protection level, the standard varnish on the main and exciter stator is upgraded to a black severe environment protection. The black protection acts as a physical barrier to moisture particles and chemical substances. In addition, all the active rotating components have an overcoat of the grey varnish EG43.

FUEL TANK

Fuel Tank Capacity (brimfull)	150 litres
Fuel Tank Capacity (usable)	140 litres
Fuel Consumption 50% PRP	3.0 l/h
Fuel Consumption 75% PRP	4.0 l/h
Fuel Consumption 100% PRP	5.5 l/h
Fuel Consumption 100% ESP	6.3 l/h
Runtime @ 75% Load PRP	35 hours





Diesel generating sets worldwide

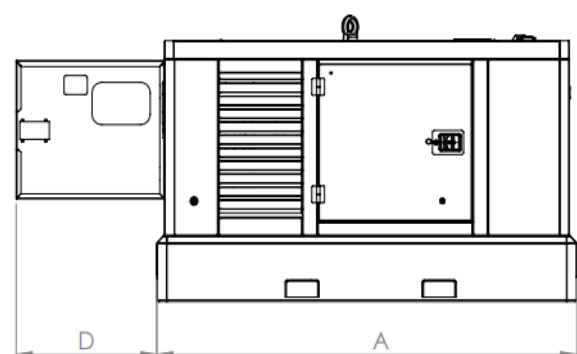
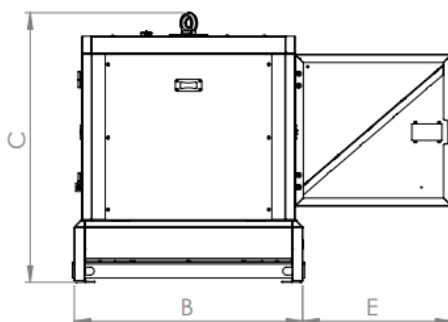
SOUND LEVELS

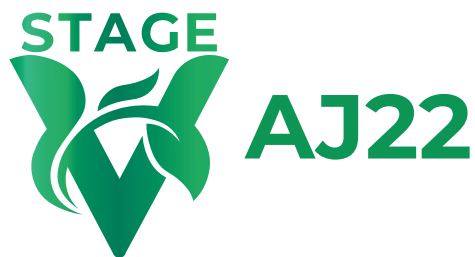
Average Sound Pressure Level @ 1 m (100%)	76.4 dB(A)
Average Sound Pressure Level @ 7 m (100%)	65.3 dB(A)
Average Sound Pressure Level @ 15 m (100%)	TBC
Average Sound Pressure Level @ 1 m (75%)	TBC
Average Sound Pressure Level @ 7 m (75%)	TBC
Average Sound Pressure Level @ 15m (75%)	TBC

Compliant with the requirements of EU Directive 2000/14/EC Annex VI.

DIMENSIONS

Length (A)	2164mm
Width (B)	1150mm
Height (C)	1355mm
Max longitudinal projection (D)	726mm
Max width projection per side (E)	752mm
Weight (including fuel)	1400kg





Diesel generating sets worldwide

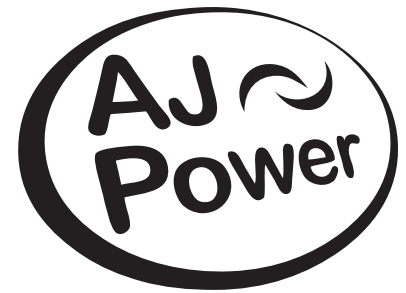
STANDARD FEATURES

- Heavy duty base provides the highest standard of durability and resistance, painted using a high-quality powder coating process.
- Baseframe extends beyond canopy to protect canopy during lifting and handling.
- The baseframe is provided with integrated fork pockets for easy manoeuvrability and site positioning.
- Integrated tie down points within the fork pockets.
- Fully bunded metal fuel tank, with bund leak alarm.
- Fuel system complete with Racor filter/ water separator, mechanical level gauge and analogue fuel sensor.
- Fuel tank access hatch for inspection and cleaning.
- Lockable fuel cap.
- Fuel system includes two-way valve for easy selection of fuel supply from integrated or external tank.
- External fuel connections via quick release fittings.
- Lube oil drain pump.
- Manual battery isolating switch.
- Access hatch to fill radiator, with removable access panel to clean radiator.
- Drip tray for lube oil and coolant containment.
- Captive anti vibration mountings.

CANOPY FEATURES

- Heavy duty canopy manufactured from galvanised sheet steel and treated with polyester powder coated paint for additional durability.
- Access doors on each side, with padlockable and lockable handles, for easy maintenance and service.
- Canopy lined with waterproof glass fibre sound proofing.
- Single Lifting Point.
- Door Stays.
- Supervisory controller viewing window.
- Document holder - internal box for documents, manuals and electrical drawings.





Diesel generating sets worldwide

CONTROL PANEL

SPECIFICATION

- Manual /Autostart genset controller (DSE 6110).
- Comprehensive genset monitoring and protection.
- Detailed event log (100 entries) with time and date.
- Emergency Stop push button.
- Adjustable earth leakage protection with internal ON/OFF switch.
- Battery charger.
- Two wire facility for remote start/stop
- Single Phase 16 A 3-Pin Inlet Plug for auxiliary power supply.
- Hours of operation gauge.

OUTLET SOCKETS

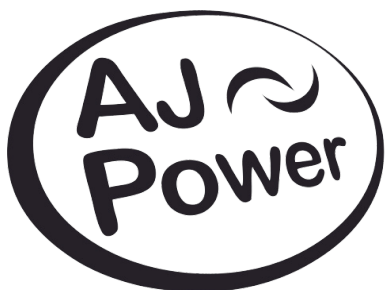
SPECIFICATION

- 4 pole MCB 32 A.
- Easy power cable access.
- Safety switch fitted to trip the breaker if operator opens the power section door (padlockable).
- **Standard supply:**
 - 1 of Three phase 5-Pin 32 A socket.
 - 2 of Single phase 3-Pin 16 A socket.
 - Individual 30mA RCBO protection on single phase sockets.

OPTIONS

OPTIONS

- DSE2157 Output (8) Expansion Module or DSE2130 Input (8) Expansion Module (alternatives available on request).
- DSE890 MKII DSEWebNet ® Gateway 4G (GSM/Ethernet).
- Engine Coolant Heater.
- Alternator Anti Condensation Heater.
- Manual Fuel Transfer Pump.
- Mecc Alte V-Type Alternator
- Electronic Governor - for speed governing and stabilisation not for speed switching.



HEADQUARTERS

**AJ POWER LIMITED
1 CHARLESTOWN DRIVE
CRAIGAVON
BT63 5GA
NORTHERN IRELAND
UNITED KINGDOM**

**TELEPHONE +44 (0) 28 3836 1000
FAX +44 (0) 28 3836 1010**

WWW.AJPOWER.NET



**FACEBOOK.COM/AJPOWERLTD
TWITTER.COM/AJPOWER
LINKEDIN.COM/COMPANY/AJPOWER**

