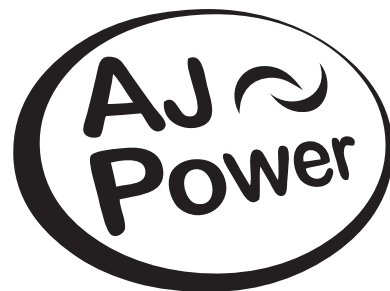




RENTAL SERIES

JR3-AJ138S-5A1





Diesel generating sets worldwide

POWER RATING

Emergency Standby Power ESP	138.0 kVA
Emergency Standby Power ESP	110.4 kW
Prime Power PRP	125.0 kVA
Prime Power PRP	100.0 kW
Frequency	50 Hz
Voltage	400 / 230 V
Phases	3
Power Factor	0.8
ESP Current 400V @ 0.8pf	199.2 A
PRP Current 400V @ 0.8pf	180.4 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.

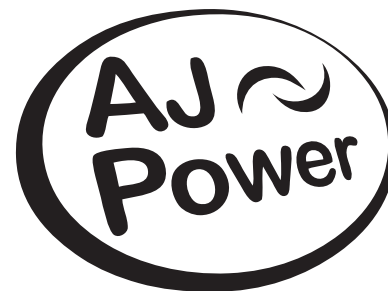
PRP - Prime Power:

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.



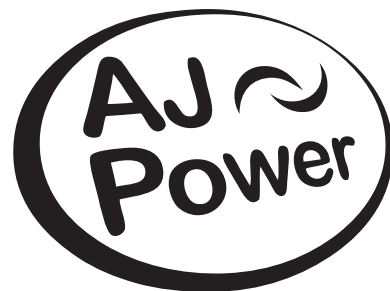
Diesel generating sets worldwide

ENGINE SPECIFICATION

Engine Brand	ACGO
Model	49 LFTN
Engine Cooling System (Liquid)	50% glycol
No. of Cylinders and Disposition	4 - Inline
Displacement	4.9 litres
Aspiration	Turbocharged aftercooled
Oil Capacity	15 litres
Lube Oil Specification	15W40 CK-4 E9
Coolant Capacity	12 litres
Low Coolant Level	Alarm
Speed Governor	Electronic
Cold Starting Aid	Heated Air Intake
Electric Circuit	12V
Fuel	Diesel
50Hz/60Hz Switchable	Yes
Operating Speed	1500 rpm
Exhaust Emission Level	Stage V
Service Intervals - Engine Oil and Filters	* 600hrs + 100 Hours

***Extra 100h available based on monitoring engine load and oil temperature.**





Diesel generating sets worldwide

ALTERNATOR SPECIFICATIONS

Alternator	Mecc Alte UK
Model	MA3114C2
Type	* Brushless Excitation MAUX Auxiliary Winding
Class	H
IP Protection	23
Poles	4
Winding Leads	12
Digital Voltage Regulator	DER/1
Voltage Tolerance	0.50%
3-Phase Sensing	Yes
Coupling System	Single bearing, Flexible disc
Insulation Protection Systems	** Total +

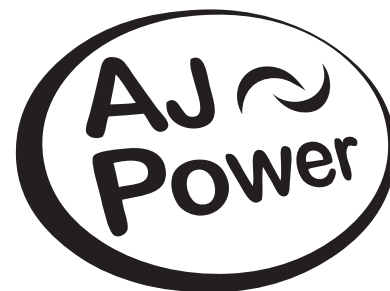
***The MAUX Auxiliary Winding** is a separate winding within the main stators that feeds the regulator. It is capable of >300% sustained short circuit current for up to 20 seconds (enhanced motor starting capability) and provides better isolation for non-linear loads creating current distortion.

**** 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.

SOUND LEVELS

Average Sound Pressure Level @ 1 m (100%)	80.3 dB(A)
Average Sound Pressure Level @ 7 m (100%)	70.7 dB(A)
Average Sound Pressure Level @ 15 m (100%)	66.9 dB(A)
Average Sound Pressure Level @ 1 m (75%)	78.1 dB(A)
Average Sound Pressure Level @ 7 m (75%)	68.7 dB(A)
Average Sound Pressure Level @ 15m (75%)	64.3 dB(A)

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



Diesel generating sets worldwide

FUEL TANK

Fuel tank capacity (brimfull)	610 litres
Fuel tank capacity (usable)	590 litres
Fuel consumption 50% PRP	22.0 l/h
Fuel consumption 75% PRP	24.0 l/h
Fuel consumption 100% PRP	26.0 l/h
Fuel consumption 100% ESP	29.0 l/h
Runtime @ 75% Load PRP	24 hours

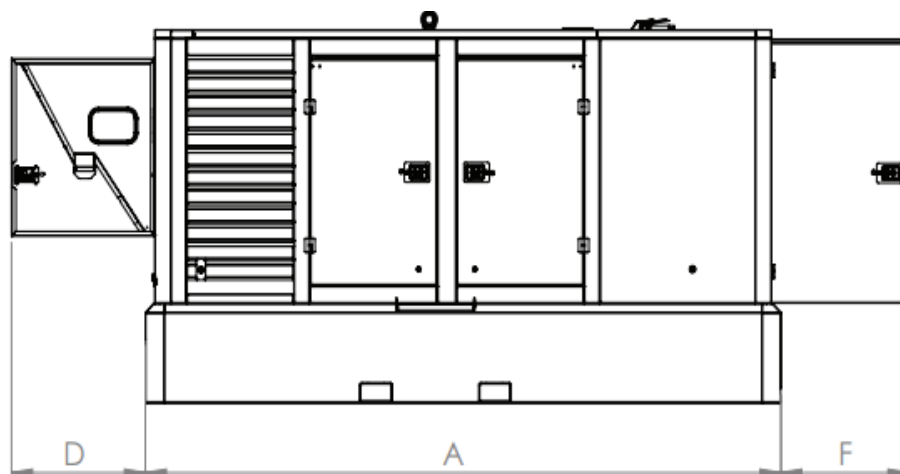
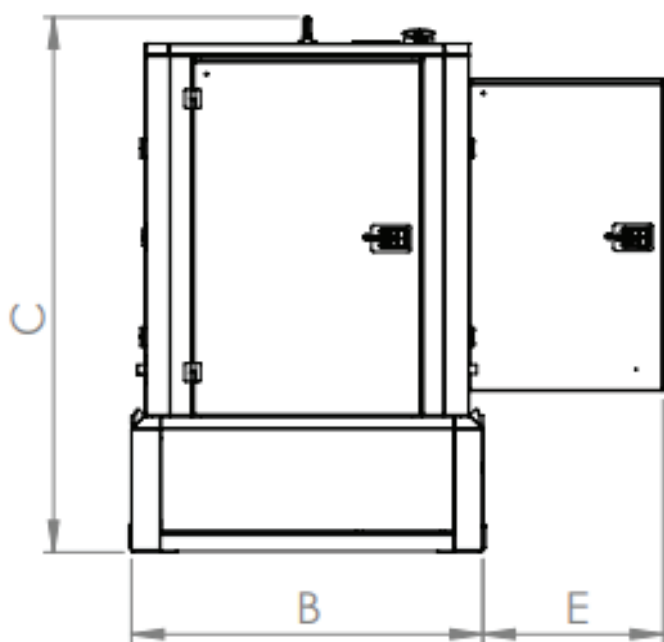
DEF TANK

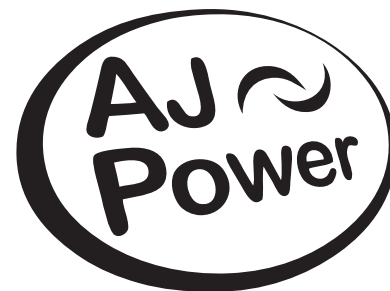
DEF Tank Capacity (brimfull)	60 litres
DEF Tank Capacity (usable)	58 litres
DEF Tank Consumption 50% PRP	1.0 l/h
DEF Tank Consumption 75% PRP	2.0 l/h
DEF Tank Consumption 100% PRP	4.0 l/h
Fuel Consumption 100% ESP	4.5 l/h
Runtime @ 75% Load PRP	29 hours



DIMENSIONS

Length (A)	3127 mm
Width (B)	1435 mm
Height (C)	1940 mm
Max longitudinal projection (D)	847 mm
Max width projection per side (E)	960 mm
Max longitudinal projection aftertreatment door (F)	864 mm
Weight (including fuel)	2860 kg





Diesel generating sets worldwide

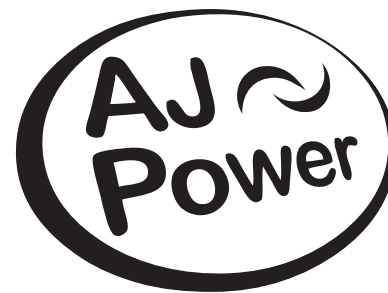
STANDARD FEATURES

- 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 7410).
- Comprehensive genset / engine aftertreatment monitoring and protection.
- Detailed event log (250 entries) with time and date.
- Emergency Stop push button.
- Adjustable earth leakage protection with internal ON/OFF switch.
- Internal Speed Selection 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 250 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 125 A socket.
 - 1 of Three phase 5-Pin 63 A socket.
 - 1 of Single phase 3-Pin 32 A socket.
 - 1 of Single phase 3-Pin 16 A socket.
 - Individual 30m A RCBO protection on single phase sockets.

OPTIONS

OPTIONS

- DSE 8610 synchronising controller including motorised breaker
- 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 Transfer Fuel Pump.
- Mecc Alte V-Type Alternator.
- Alternator - PMG.



AGCO Experience in Power Generation

AGCO is a global leader in design, manufacture and distribution of agricultural machinery and precision technology. AGCO delivers value to customers through its differentiated brand portfolio including leading brands like Fendt, Massey Ferguson, Challenger and Valtra.

For over 80 years, AGCO Power has built diesel generator solutions for some of the world's most challenging environments – including the Antarctic. AJ Power have been utilising AGCO engines for power generation since 2004, delivering over 3000 gensets to 70 different Countries, the high performance and reliability of these engines make them an ideal choice for the rental industry.

Benefits of AJ Power AGCO-Proventia Stage V

Enhanced Fuel Efficiency: AGCO Stage V engines are designed to optimise fuel consumption, reducing operating costs and increasing the time between refuelling.

Extensively Tested Aftertreatment Systems:

Extensively Tested Aftertreatment Systems: With a combined 3500 hours of testing at our factory, AJ Power have proven the reliability and capabilities of an AGCO-Proventia offering. This testing covered load acceptance, extreme low loading (0 - 30% for 100 hours) to test the engine and aftertreatment system to worst case scenario, -20°C cold starts, high ambient clearance tests and sound testing to ensure the set meets CE noise requirements.

Improved Performance and Power Output:

AGCO Stage V engines offer excellent load acceptance.

Low Maintenance Requirements:

AGCO engines on offer boast extended oil change intervals. This has been tested and approved by AGCO Power. As part of the standard package an adaptive service indicator monitors oil quality alongside various other parameters such as fuel filter pressure and air restriction at the at the air intake filter.

ENGINE AFTERTREATMENT SYSTEM

Aftertreatment Technologies	Diesel Particulate Filter (DPF). In-line DEF Mixer. Selective Catalytic Reduction (SCR). Diesel Oxidation Catalyst (DOC).
DEF Tank	60 Litres moulded plastic tank, located behind lockable access door. Integrated heating from engine cooling circuit.
DEF Tank Level Gauge	ECU monitored and percentage displayed on generator controller. Low level alarm.
DPF	Passive regeneration doesn't affect operation. No service tool required for user forced regeneration.



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**



Every effort has been made to ensure that the information in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice.