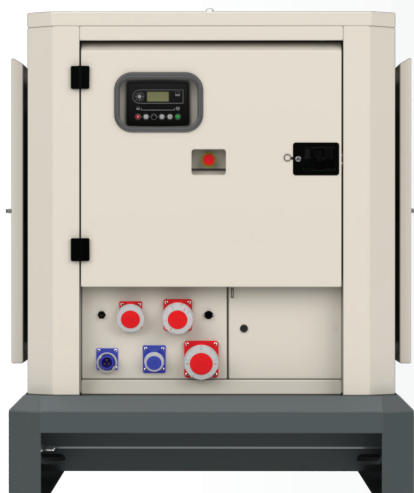
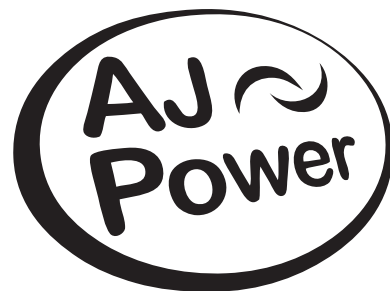




RENTAL SERIES

JR3-AJ66S-5P1





Diesel generating sets worldwide

POWER RATING

| | |
|-----------------------------|-------------|
| Emergency Standby Power ESP | 66.0 kVA |
| Emergency Standby Power ESP | 52.8 kW |
| Prime Power PRP | 60.0 kVA |
| Prime Power PRP | 48.0 kW |
| Frequency | 50 Hz |
| Voltage | 400 / 230 V |
| Phases | 3 |
| Power Factor | 0.8 |
| ESP Current 400V @ 0.8pf | 95.26 A |
| PRP Current 400V @ 0.8pf | 86.60 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.

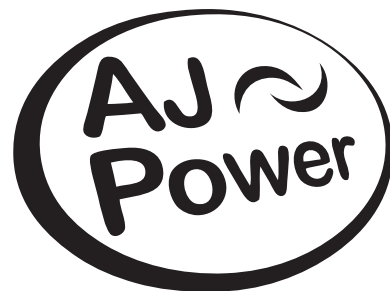
PRP - Prime Power:

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.



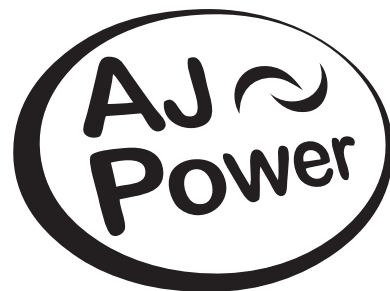
Diesel generating sets worldwide

ENGINE SPECIFICATION

| | |
|--|--------------------------|
| | |
| Engine Brand | Perkins UK |
| Model | 904J-E36TAG3 |
| Engine Cooling System (Liquid) | 50% glycol |
| No. of Cylinders and Disposition | 4 Inline |
| Displacement | 3.6 |
| Aspiration | Turbocharged aftercooled |
| Oil Capacity | 9 litres |
| Lube Oil Specification | 15W40 CK-4 / E9 |
| Coolant Capacity | 13.5 litres |
| Low Coolant Level | TBC |
| Speed Governor | Electronic |
| Cold Starting Aid | Glow Plugs |
| Electric Circuit | 12v |
| Fuel | Diesel |
| 50Hz/60Hz Switchable | Yes |
| Operating Speed | 1500rpm |
| Exhaust Emission Level | Stage V |
| Service Intervals - Engine Oil and Filters | 500 Hours |

ENGINE AFTERTREATMENT SYSTEM

| | |
|------------------------------------|--|
| | |
| Aftertreatment Technologies | Diesel Particulate Filter (DPF). Diesel Oxidation Catalyst (DOC). |
| DPF | Passive regeneration doesn't affect operation. Service tool required for user forced regeneration. |



Diesel generating sets worldwide

ALTERNATOR SPECIFICATION

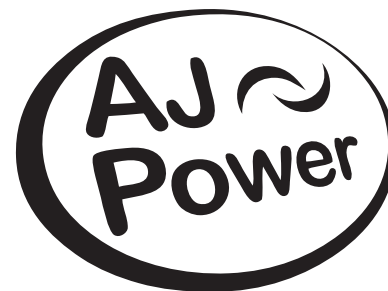
| | |
|-------------------------------|--|
| Alternator | Mecc Alte UK |
| Model | MA2114E |
| Type | * Brushless Excitation MAUX Auxiliary Winding |
| Class | H |
| IP Protection | 23 |
| Poles | 4 |
| Winding Leads | 12 |
| Digital Voltage Regulator | DER/1 |
| Voltage Tolerance | 0.50% |
| 3-Phase Sensing | Yes |
| Coupling System | Single bearing, Flexible disc |
| Insulation Protection Systems | ** Total + |

***The MAUX Auxiliary Winding** is a separate winding within the main 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) | 270 litres |
| Fuel Tank Capacity (usable) | 255 litres |
| Fuel Consumption 50% PRP | 7.3 l/h |
| Fuel Consumption 75% PRP | 10.5l/h |
| Fuel Consumption 100% PRP | 14.3 l/h |
| Fuel Consumption 100% ESP | 15.7 l/h |
| Runtime @ 75% Load PRP | 24 hours |



Diesel generating sets worldwide

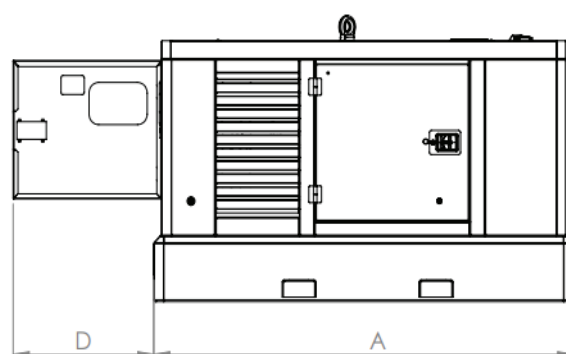
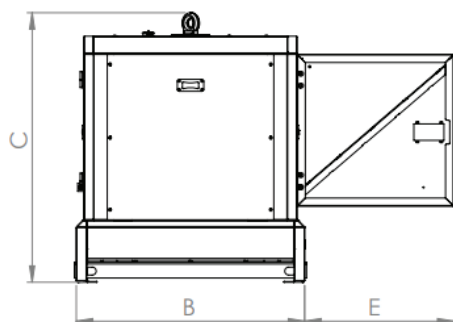
SOUND LEVELS

| | |
|--|------------|
| Average Sound Pressure Level @ 1 m (100%) | 78.6 dB(A) |
| Average Sound Pressure Level @ 7 m (100%) | 66.9 dB(A) |
| Average Sound Pressure Level @ 15 m (100%) | 63.3 dB(A) |
| Average Sound Pressure Level @ 1 m (75%) | 78.6 dB(A) |
| Average Sound Pressure Level @ 7 m (75%) | 66.9 dB(A) |
| Average Sound Pressure Level @ 15m (75%) | 63.1 dB(A) |

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

DIMENSIONS

| | |
|-----------------------------------|---------|
| Length (A) | 2930 mm |
| Width (B) | 1435 mm |
| Height (C) | 1800 mm |
| Max longitudinal projection (D) | 847 mm |
| Max width projection per side (E) | 960 mm |
| Weight (including fuel) | 2210 kg |





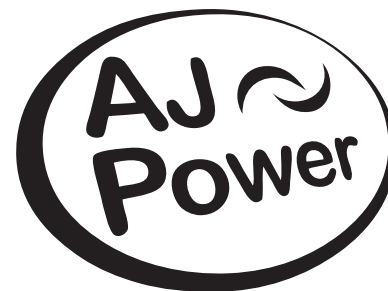
Diesel generating sets worldwide

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 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 125 A socket.
 - 1 of Single phase 5-Pin 63 A socket.
 - 1 of Single phase 5-Pin 32 A socket.
 - 1 of Single phase 3-Pin 16 A socket.
 - Individual 30mA 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.



HEADQUARTERS

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