



## 5 SERIES

### 88KVA - 110KVA



#### Overview

The 5 Series from AJ Power delivers exceptional performance, reliability, durability and low operating costs.

The 5 Series offers excellent fuel consumption and is well equipped to deal with even the most arduous of conditions.



**Please Note: Above photos may not relate directly to accompanying datasheet model**

# DA3-AJ88

## Diesel (Water cooled Fuel Optimised), Canopied, Three Phase

| Genset model |      | Prime         |         | Standby       |         |
|--------------|------|---------------|---------|---------------|---------|
|              |      | DA3-AJ88P-5P1 |         | DA3-AJ88S-5P1 |         |
| 380 V        | 50Hz | 80.0 kVA      | 64.0 kW | 88.0 kVA      | 70.4 kW |
| 400 V        | 50Hz | 80.0 kVA      | 64.0 kW | 88.0 kVA      | 70.4 kW |
| 415 V        | 50Hz | 80.0 kVA      | 64.0 kW | 88.0 kVA      | 70.4 kW |
| Genset model |      | DA3-AJ88P-6P1 |         | DA3-AJ88S-6P1 |         |
| 380-480 V    | 60Hz | 95.0 kVA      | 76.0 kW | 105.0 kVA     | 84.0 kW |
| 220-240 V    | 60Hz | 95.0 kVA      | 76.0 kW | 105.0 kVA     | 84.0 kW |

Ratings at 0.8pf

Prime Power (PRP): Applicable for supplying power to a variable electrical load for unlimited hours. A 10% overload capability is permitted for one hour, with or without interruption, within 12 of operation. PRP is in accordance with ISO 8528-1.

Emergency Standby Power (ESP): Applicable for supplying power to a variable electrical load for the duration of a utility power failure. Operation is limited to 200 hours per year and no overload is permitted. ESP is in accordance with ISO 8528-1.



| Engine                                 | Perkins                    | 1104A-44TG2     | 1104A-44TG2     |
|----------------------------------------|----------------------------|-----------------|-----------------|
| Number of cylinders                    |                            | 4 in-line       | 4 in-line       |
| Cubic capacity                         | litre (cu inch)            | 4.4(268.50)     | 4.4(268.50)     |
| Aspiration                             |                            | Turbocharged    | Turbocharged    |
| Alternator                             |                            | European        | European        |
| Frequency                              | Hz                         | 50              | 60              |
| Engine speed                           | rpm                        | 1500            | 1800            |
| Fuel tank capacity (standard)          | litre (USgal)              | 220.00(58.12)   | 220.00(58.12)   |
| Fuel consumption at full rating: Prime | litre /h (USgal /h)        | 18.70(4.94)     | 22.30(5.89)     |
| Standby                                | litre /h (USgal /h)        | 20.50(5.42)     | 24.40(6.45)     |
| Heat rejection to exhaust system (max) | kW (BTU /min)              | 59.00(3357.99)  | 71.00(4040.97)  |
| Heat rejection to cooling system (max) | kW (BTU /min)              | 51.00(2902.67)  | 57.00(3244.16)  |
| Total radiated heat (max)              | kW (BTU /min)              | 14.00(796.81)   | 15.00(853.73)   |
| Exhaust temperature (max)              | deg C (deg F)              | 580.00(1076.00) | 560.00(1040.00) |
| Radiator cooling air flow              | cu m /min (cfm)            | 89.00(3143.04)  | 111.00(3919.97) |
| with max Restriction                   | mm (inch) H <sub>2</sub> O | TBA(TBA)        | TBA(TBA)        |
| Combustion air flow (max)              | cu m /min (cfm)            | 5.14(181.52)    | 6.50(229.55)    |
| Exhaust gas flow (max)                 | cu m /min (cfm)            | 13.30(469.69)   | 15.90(561.51)   |
| with max allowable back pressure       | mm (inch) H <sub>2</sub> O | 1019.72(40.15)  | 1529.57(60.22)  |

Note: Standard reference conditions: 25deg C (77deg F) air inlet temperature, 152.4m (500feet) above sea level, 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load for diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, class A2.

| Dimensions: mm (inch)             |             |
|-----------------------------------|-------------|
| Length (A)                        | 2660(104.7) |
| Width (B)                         | 1100(43.3)  |
| Height (C)                        | 1792(70.6)  |
| Max longitudinal projection (D)   | 755(29.7)   |
| Max width projection per side (E) | 1090(42.9)  |
| Maximum height total (F)          | N/A(N/A)    |

| Weights: kg (lb)                       |              |
|----------------------------------------|--------------|
| Dry weight (with lube oil)             | 1639(3613.2) |
| Wet weight (with lube oil and coolant) | 1659(3657.3) |

Weight is an estimate, excluding fuel and options.

| Sound pressure levels: dB(A) |              |              |
|------------------------------|--------------|--------------|
|                              | 50Hz 1500rpm | 60Hz 1800rpm |
| 15m, 75% load                | 60.60        | 63.60        |
| 15m, 100% load               | 61.70        | 64.70        |
| 7m, 75% load                 | 65.00        | 68.00        |
| 7m, 100% load                | 65.80        | 68.80        |
| 1m, 75% load                 | 75.20        | 78.20        |
| 1m, 100% load                | 75.60        | 78.20        |



In line with our policy of continuous development, we reserve the right to change specification without notice.

Specification should be confirmed prior to purchase.

We have made every effort to provide accurate information. However we are not responsible for errors or omissions.

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