

7 Series

275kVA - 770kVA



Diesel generating sets worldwide



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

DA3-AJ310-S1

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

| Genset model | | Prime DA3-AJ310P-5S1 | | Standby DA3-AJ310S-5S1 | |
|--------------|------|-------------------------|----------|---------------------------|----------|
| 380 V | 50Hz | 280.0 kVA | 224.0 kW | 310.0 kVA | 248.0 kW |
| 400 V | 50Hz | 280.0 kVA | 224.0 kW | 310.0 kVA | 248.0 kW |
| 415 V | 50Hz | 280.0 kVA | 224.0 kW | 310.0 kVA | 248.0 kW |
| Genset model | | DA3-AJ310P-6S1 | | DA3-AJ310S-6S1 | |
| 380 V | 60Hz | 306.3 kVA | 245.0 kW | 343.8 kVA | 275.0 kW |
| 480 V | 60Hz | 306.3 kVA | 245.0 kW | 343.8 kVA | 275.0 kW |

Ratings at 0.8pf

Prime: This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for one hour in twelve hours.



Standby: This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

| Engine | Scania | DC9 072A 02-12 | DC9 072A 02-12 |
|--|----------------------------|------------------|------------------|
| Number of cylinders | | 5 in-line | 5 in-line |
| Cubic capacity | litre (cu inch) | 9.3(567.52) | 9.3(567.52) |
| Aspiration | | Turbocharged | Turbocharged |
| Alternator | | Newage Stamford | Newage Stamford |
| Frequency | Hz | 50 | 60 |
| Engine speed | rpm | 1500 | 1800 |
| Fuel tank capacity (standard) | litre (USgal) | 1020.00(269.48) | 1020.00(269.48) |
| Fuel consumption at full rating: Prime | litre /h (USgal /h) | 56.50(14.93) | 63.90(16.88) |
| Standby | litre /h (USgal /h) | 63.50(16.78) | 71.30(18.84) |
| Heat rejection to exhaust system (max) | kW (BTU /min) | 194.00(11041.51) | 234.00(13318.11) |
| Heat rejection to cooling system (max) | kW (BTU /min) | 93.00(5293.10) | 102.00(5805.33) |
| Total radiated heat (max) | kW (BTU /min) | 22.00(1252.13) | 25.00(1422.88) |
| Exhaust temperature (max) | deg C (deg F) | 471.00(879.80) | 493.00(919.40) |
| Radiator cooling air flow | cu m /min (cfm) | 269.40(9513.86) | 432.70(15280.80) |
| with max Restriction | mm (inch) H ₂ O | 20.00(0.79) | 20.00(0.79) |
| Combustion air flow (max) | cu m /min (cfm) | 18.80(663.92) | 22.00(776.93) |
| Exhaust gas flow (max) | cu m /min (cfm) | 51.40(1815.19) | 61.70(2178.94) |
| with max allowable back pressure | mm (inch) H ₂ O | 1000.00(39.37) | 1000.00(39.37) |

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) | 5000(196.9) |
| Width (B) | 1600(63.0) |
| Height (C) | 2100(82.7) |
| Max longitudinal projection (D) | 1108(43.6) |
| Max width projection per side (E) | 1108(43.6) |
| Maximum height total (F) | N/A(N/A) |

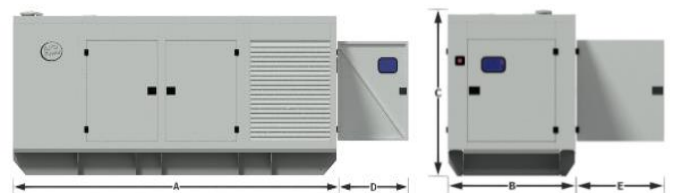
Weights: kg (lb)

| | |
|--|--------------|
| Dry weight (with lube oil) | 4250(9369.1) |
| Wet weight (with lube oil and coolant) | 4287(9450.7) |

Weight is an estimate, excluding fuel and options.

Sound pressure levels: dB(A)

| | 50Hz 1500rpm | 60Hz 1800rpm |
|----------------|--------------|--------------|
| 15m, 75% load | 65.00 | TBA |
| 15m, 100% load | 66.10 | TBA |
| 7m, 75% load | 69.70 | TBA |
| 7m, 100% load | 70.20 | TBA |
| 1m, 75% load | 78.70 | TBA |
| 1m, 100% load | 79.30 | TBA |



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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