

7 Series

275kVA - 770kVA



Diesel generating sets worldwide



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

DN3-AJ440-S1

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

		Prime		Standby	
Genset model		DN3-AJ440P-5S1		DN3-AJ440S-5S1	
380 V	50Hz	400.0 kVA	320.0 kW	440.0 kVA	352.0 kW
400 V	50Hz	400.0 kVA	320.0 kW	440.0 kVA	352.0 kW
415 V	50Hz	400.0 kVA	320.0 kW	440.0 kVA	352.0 kW
Genset model		DN3-AJ440P-6S1		DN3-AJ440S-6S1	
380 V	60Hz	431.3 kVA	345.0 kW	500.0 kVA	400.0 kW
480 V	60Hz	431.3 kVA	345.0 kW	500.0 kVA	400.0 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	DC13 072A 02-12	DC13 072A 02-12
Number of cylinders		6 in-line	6 in-line
Cubic capacity	litre (cu inch)	12.7(775.00)	12.7(775.00)
Aspiration		Turbocharged	Turbocharged
Alternator		MeccAlte UK	MeccAlte UK
Frequency	Hz	50	60
Engine speed	rpm	1500	1800
Fuel tank capacity (standard)	litre (USgal)	940.00(248.35)	940.00(248.35)
Fuel consumption at full rating: Prime	litre /h (USgal /h)	78.58(20.76)	92.13(24.34)
Standby	litre /h (USgal /h)	88.19(23.30)	103.00(27.21)
Heat rejection to exhaust system (max)	kW (BTU /min)	271.00(15423.97)	324.00(18440.46)
Heat rejection to cooling system (max)	kW (BTU /min)	119.00(6772.89)	143.00(8138.85)
Total radiated heat (max)	kW (BTU /min)	31.00(1764.37)	37.00(2105.86)
Exhaust temperature (max)	deg C (deg F)	509.00(948.20)	524.00(975.20)
Radiator cooling air flow	cu m /min (cfm)	416.30(14701.63)	710.18(25080.01)
with max Restriction	mm (inch) H ₂ O	20.00(0.79)	20.00(0.79)
Combustion air flow (max)	cu m /min (cfm)	24.50(865.22)	28.60(1010.01)
Exhaust gas flow (max)	cu m /min (cfm)	72.00(2542.68)	82.50(2913.49)
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)	3831(150.8)
Width (B)	1194(47.0)
Height (C)	2131(83.9)
Max longitudinal projection (D)	N/A(N/A)
Max width projection per side (E)	N/A(N/A)
Maximum height total (F)	N/A(N/A)

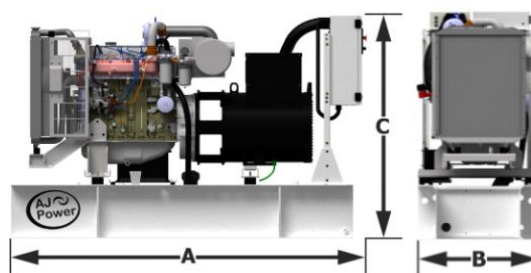
Weights: kg (lb)

Dry weight (with lube oil)	3042(6706.1)
Wet weight (with lube oil and coolant)	3087(6805.3)

Weight is an estimate, excluding fuel and options.

Sound pressure levels: dB(A)

	50Hz 1500rpm	60Hz 1800rpm
15m, 75% load	N/A	N/A
15m, 100% load	N/A	N/A
7m, 75% load	N/A	N/A
7m, 100% load	N/A	N/A
1m, 75% load	N/A	N/A
1m, 100% load	N/A	N/A



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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