

Genset Data Sheet 1

	Prime	Standby
Genset model	AJ440P	AJ440S
400V, 50Hz	400.0 kVA 320.0 kW	440.0 kVA 352.0 kW
440V, 60Hz	406.0 kVA 325.0 kW	444.0 kVA 355.0 kW

Ratings at 0.8 pf

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 model	Scania	DC12-59A (spec 10-33A)	
Number of cylinders		6 in-line	
Cubic capacity	litre (cu inch)	11.7 (714.0)	
Aspiration		Turbocharged	
Alternator	Newage	Stamford	
Frequency	Hz	50	60
Engine speed	rpm	1,500	1,800
Fuel tank capacity	litre (USgal)	1,000 (264)	1,000 (264)
Fuel consumption at full rating: Prime	litre /h (USgal /h)	82.4 (21.8)	88.7 (23.4)
Standby	litre /h (USgal /h)	96.0 (25.4)	96.0 (25.4)
Heat rejection to exhaust system (max)	kW (BTU /min)	296 (16,830)	298 (16,945)
Heat rejection to cooling system (max)	kW (BTU /min)	229.0 (13,485)	230.0 (13,540)
Total radiated heat (max)	kW (BTU /min)	Not applicable	Not applicable
Exhaust temperature (max)	deg C (deg F)	537 (999)	489 (912)
Radiator cooling air flow	cu m /min (cfm)	Not applicable	Not applicable
with max restriction	mm (inch) H ₂ O	Not applicable	Not applicable
Combustion air flow (max)	cu m /min (cfm)	25.4 (898)	28.8 (1,018)
Exhaust gas flow (max)	cu m /min (cfm)	Not applicable	Not applicable
with max allowable back pressure	mm (inch) H ₂ O	Not applicable	Not applicable



**Diesel
Sound
attenuated
Three phase
AJ440**

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.

Genset photograph may include optional extras

Genset Data Sheet 2

Genset model AJ440



Dimensions:

Length (A)	mm (inch)	4,750 (187.0)
Width (B)	mm (inch)	1,600 (63.0)
Height (C)	mm (inch)	2,095 (82.5)
Total height of exhaust rain cap (D)	mm (inch)	2,245 (88.4)
Max horizontal projection of end door (E)	mm (inch)	1,000 (39.4)
Max horizontal projection of doors at each side (F)	mm (inch)	1,105 (43.5)

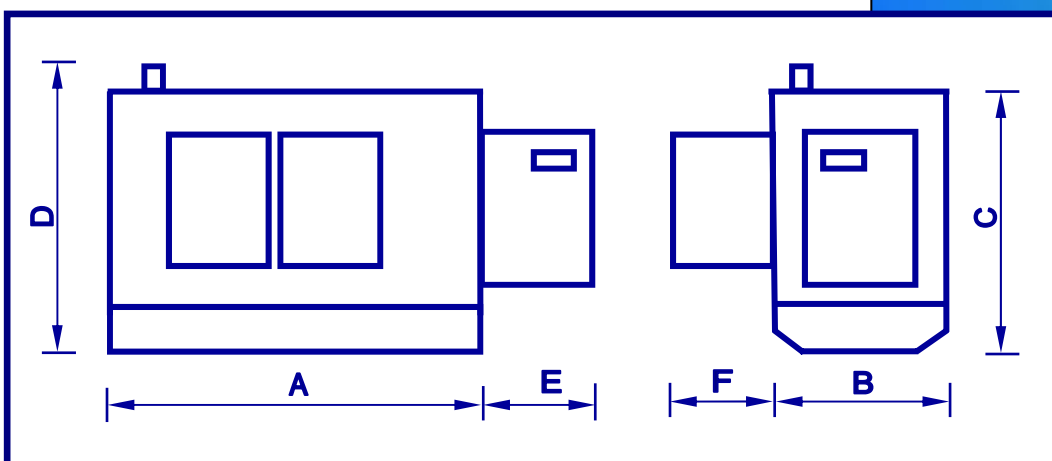
Weights:

Dry weight (with lube oil)	kg (lb)	4,550 (10,030)
Wet weight (with lube oil and coolant)	kg (lb)	4,600 (10,140)

Sound pressure levels:

		50Hz 1500rpm	60Hz 1800rpm
15m, 75% load	dB(A)	65	67
15m, 100% load	dB(A)	66	69
7m, 75% load	dB(A)	71	73
7m, 100% load	dB(A)	72	75
1m, 75% load	dB(A)	80	84
1m, 100% load	dB(A)	81	85

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

DA3 AJ440 081209-2