

Genset Data Sheet 1

	Prime	Standby
Genset model	AJ144P	AJ144S
380-415V, 50Hz	130.0 kVA 104.0 kW	144.0 kVA 115.2 kW
440-480V, 60Hz	140.6 kVA 112.5 kW	156.2 kVA 125.0 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	SisuDiesel	620 DSRG	
Number of cylinders		6 in-line	
Cubic capacity	litre (cu inch)	6.60 (402.8)	
Aspiration		Turbocharged	
Alternator	Newage	Stamford	
Frequency	Hz	50	60
Engine speed	rpm	1,500	1,800
Fuel tank capacity	litre (USgal)	400 (105)	400 (105)
Fuel consumption at full rating:			
Prime	litre /h (USgal /h)	29.2 (7.7)	31.5 (8.3)
Standby	litre /h (USgal /h)	32.8 (8.7)	35.1 (9.3)
Heat rejection to exhaust system (max)	kW (BTU /min)	121 (6,910)	129 (7,340)
Heat rejection to cooling system (max)	kW (BTU /min)	70.0 (3,975)	75.0 (4,255)
Total radiated heat (max)	kW (BTU /min)	Not applicable	Not applicable
Exhaust temperature (max)	deg C (deg F)	605 (1,121)	565 (1,049)
Radiator cooling air flow with max restriction	cu m /min (cfm) mm (inch) H ₂ O	Not applicable	Not applicable
Combustion air flow (max)	cu m /min (cfm)	7.0 (247)	9.4 (332)
Exhaust gas flow (max) with max allowable back pressure	cu m /min (cfm) mm (inch) H ₂ O	Not applicable	Not applicable

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



**Diesel
Sound
attenuated
Three phase
AJ144**

Genset Data Sheet 2

Genset model AJ144



Dimensions:

Length (A)	mm (inch)	3,700 (145.7)
Width (B)	mm (inch)	1,150 (45.3)
Height (C)	mm (inch)	1,975 (77.8)
Total height of exhaust rain cap (D)	mm (inch)	2,100 (82.7)
Max horizontal projection of end door (E)	mm (inch)	840 (33.1)
Max horizontal projection of doors at each side (F)	mm (inch)	985 (38.8)

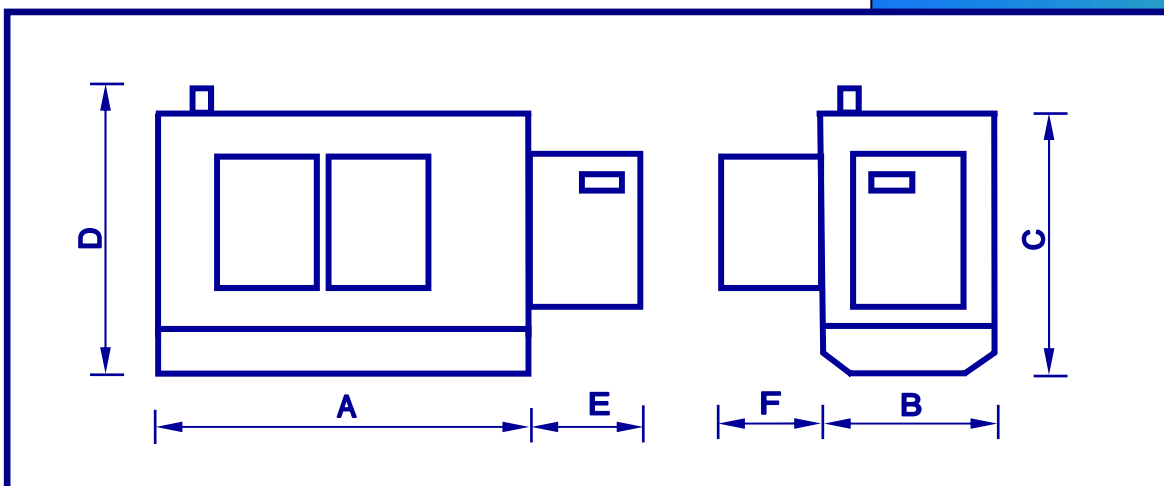
Weights:

Dry weight (with lube oil)	kg (lb)	2,727 (6,012)
Wet weight (with lube oil and coolant)	kg (lb)	2,752 (6,067)

Sound pressure levels:

		50Hz 1500rpm	60Hz 1800rpm
15m, 75% load	dB(A)	TBA	TBA
15m, 100% load	dB(A)	TBA	TBA
7m, 75% load	dB(A)	TBA	TBA
7m, 100% load	dB(A)	TBA	TBA
1m, 75% load	dB(A)	TBA	TBA
1m, 100% load	dB(A)	TBA	TBA

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AJ Power Limited

1 Charlestown Drive, Carn Industrial Area, Craigavon, BT63 5GA
Northern Ireland, United Kingdom
Tel: +44 (0)28 3836 1000 Fax: +44 (0)28 3836 1010
Web: www.ajpower.net E-mail: sales@ajpower.net

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

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