

Genset Data Sheet 1

	Prime	Standby
Genset model	AJ 91P	AJ 91S
380-415V, 50Hz	85.0 kVA 68.0 kW	91.0 kVA 72.8 kW
440-480V, 60Hz	97.5 kVA 78.0 kW	106.2 kVA 85.0 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	420 DSRG	
Number of cylinders		4 in-line	
Cubic capacity	litre (cu inch)	4.40 (268.5)	
Aspiration		Turbocharged	
Alternator	Newage	Stamford	
Frequency	Hz	50	60
Engine speed	rpm	1500	1800
Fuel tank capacity	litre (USgal)	220 (58)	220 (58)
Fuel consumption at full rating:			
Prime	litre /h (USgal /h)	20.9 (5.5)	24.1 (6.4)
Standby	litre /h (USgal /h)	22.9 (6.1)	26.6 (7.0)
Heat rejection to exhaust system (max)	kW (BTU /min)	67.0 (3,795)	81.0 (4,590)
Heat rejection to cooling system (max)	kW (BTU /min)	47.0 (2,675)	55.0 (3,210)
Total radiated heat (max)	kW (BTU /min)	18.0 (1,020)	21.0 (1,190)
Exhaust temperature (max)	deg C (deg F)	532 (990)	505 (940)
Radiator cooling air flow	cu m /min (cfm)	76.8 (2,710)	132.7 (4,685)
with max restriction	mm (inch) H ₂ O	20.0 (0.80)	20.0 (0.80)
Combustion air flow (max)	cu m /min (cfm)	5.6 (199)	7.2 (255)
Exhaust gas flow (max)	cu m /min (cfm)	15.0 (529)	18.9 (666)
with max allowable back pressure	mm (inch) H ₂ O	800 (31.5)	800 (31.5)

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 Compact Three phase AJ 91

Genset Data Sheet 2

Genset model AJ 91



Dimensions:

Length (A)	mm (inch)	2213 (87.1)
Width (B)	mm (inch)	760 (30.0)
Height (C)	mm (inch)	1,505 (59.2)
Total height of exhaust rain cap (D)	mm (inch)	Not applicable
Max horizontal projection of end door (E)	mm (inch)	Not applicable
Max horizontal projection of door at each side (F)	mm (inch)	Not applicable

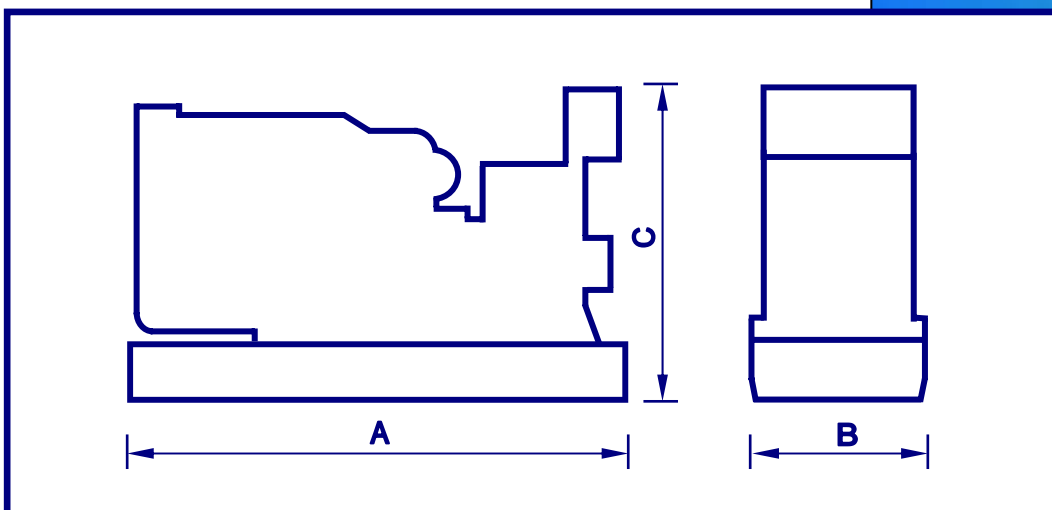
Weights:

Dry weight (with lube oil)	kg (lb)	1,523 (3,357)
Wet weight (with lube oil and coolant)	kg (lb)	1,543 (3,401)

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

**Diesel
Compact
Three phase
AJ 91**



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

DN3 AJ 91 041216-2