

9 Series

715kVA – 3340kVA



Diesel generating sets worldwide



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

DN3-AJ1400-9B-MA Diesel (Water cooled), Compact, Three Phase

	Prime	Standby
Genset Model	DN3-AJ1400P	DN3-AJ1400S
380V, 50Hz	1275kVA (1020kW)	1400kVA (1120kW)
400V-415V, 50Hz	1275kVA (1020kW)	1400kVA (1120kW)
440-480V, 60Hz	TBA	TBA



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.

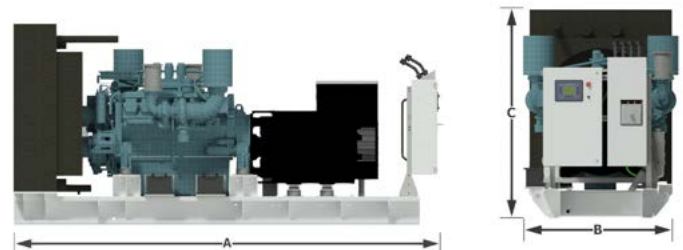
Standby: This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

Engine	Mitsubishi	S12R-PTA		
Number of cylinders		V12		
Cubic capacity	litre (cu inch)	49		
Aspiration		Turbocharged		
Alternator	European	Meccalte	Meccalte	
Frequency	Hz	50	60	
Engine Speed	rpm	1500	1800	
Fuel tank capacity (standard)	litre	N/A	N/A	
Fuel consumption at full rating:	Standby 110%	litre / h	290.8	311.1
	Prime 100%	litre / h	267.0	284.5
	75%	litre / h	206.5	226.2
	50%	litre / h	151.1	168.3
Heat rejection to exhaust system (max)	KW (BTU / min)	833 (47410)	961 (54695)	
Heat rejection to cooling system (max)	KW (BTU / min)	713 (40580)	712 (40523)	
Total radiated heat (max)	KW (BTU / min)	86 (4895)	95 (5407)	
Exhaust temperature (max)	deg C (deg F)	TBA	TBA	
Radiator cooling air flow with max restriction	cu m / min (cfm)	1345 (47499)	1393 (49194)	
	mm (inch) H ₂ O	21 (0.8)	15 (0.6)	
Combustion air flow (max)	cu m / min (cfm)	98 (3461)	109 (3849)	
Exhaust gas flow (max) with max allowable back pressure	cu m / min (cfm)	258 (9111)	287 (10135)	
	mm (inch) H ₂ O	600 (23.6)	600 (23.6)	

Note: Standard reference conditions: 25deg C (77deg F) air inlet temperature, 152.4, (500 feet) 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. TBA - To be advised. N/A - Not applicable

Dimensions:

Length (A)	mm	5614
Length (A) without circuit breaker	mm	4458
Width (B)	mm	2054
Height (C)	mm	2240



Weights:

Dry weight (with lube oil)	kg	9875
Wet weight (with lube oil and coolant)	kg	10000

In line with our policy of continuous development, we reserve the right to change specification without notice. We have made every effort to provide accurate information. However we are not responsible for errors or omissions.

Sound Pressure levels:

Not Applicable	dB(A)	N/A
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