

9 Series

715kVA – 3340kVA



Diesel generating sets worldwide



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

DN3-AJ1120-9M-MA

Diesel (Water cooled), Compact, Three Phase

Prime

Standby

Genset Model	DN3-AJ1120P-5M1	DN3-AJ1120S-5M1
400/230V, 50Hz	1014kVA (811kW)	1120kVA (896kW)
415/240V, 50Hz	1011kVA (809kW)	1118kVA (894kW)
380/220V, 50Hz	1015kVA (812kW)	1121kVA (897kW)



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.

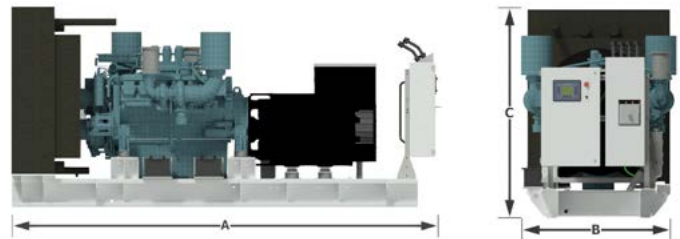
Standby: This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

Engine	MTU	AJ1120P: 16V2000G26F	AJ1120S: 16V2000G76F
Number of cylinders		16	16
Cubic capacity	litre (cu inch)	35.7	35.7
Aspiration		Turbocharged	Turbocharged
Alternator	European	MeccAlte	MeccAlte
Frequency	Hz	50	50
Engine Speed	rpm	1500	1500
Fuel tank capacity (optional*)	litre	N/A	N/A
Fuel consumption at full rating:	litre / h	N/A	231.7
	100%	litre / h	211.1
	75%	litre / h	162.3
	50%	litre / h	116.9
Heat rejection to exhaust system (max)	KW (BTU / min)	576 (32783)	705 (40125)
Heat rejection to cooling system (max)	KW (BTU / min)	515 (29311)	615 (35003)
Total radiated heat (max)	KW (BTU / min)	40 (2277)	40 (2277)
Exhaust temperature (max)	deg C (deg F)	530 (986)	530 (986)
Radiator cooling air flow with max restriction	cu m / min (cfm)	1463 (51666)	1463 (51666)
	mm (inch) H ₂ O	20 (0.787)	20 (0.787)
Combustion air flow (max)	cu m / min (cfm)	61.8 (2182)	76.8 (2776)
Exhaust gas flow (max) with max allowable back pressure	cu m / min (cfm)	166.8 (5891)	201 (7098)
	mm (inch) H ₂ O	500 (19.7)	500 (19.7)

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	4630
Length (A) without circuit breaker	mm	N/A
Width (B)	mm	1927
Height (C)	mm	2198



Weights:

Dry weight (with lube oil)	kg	7497
Wet weight (with lube oil and coolant)	kg	7650

Sound Pressure levels:

Not Applicable	dB(A)	N/A
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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.

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