

# 9 Series

715kVA – 3340kVA



Diesel generating sets worldwide



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

# DN3-AJ2590-9M-MA Diesel (Water cooled), Compact, Three Phase

Genset Model	Prime	Standby
	DN3-AJ2590P	DN3-AJ2590S
380V, 50Hz	2300kVA (1840kW)	2590kVA (2072kW)
400V, 50Hz	2300kVA (1840kW)	2590kVA (2072kW)
415V, 50Hz	2300kVA (1840kW)	2590kVA (2072kW)



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.

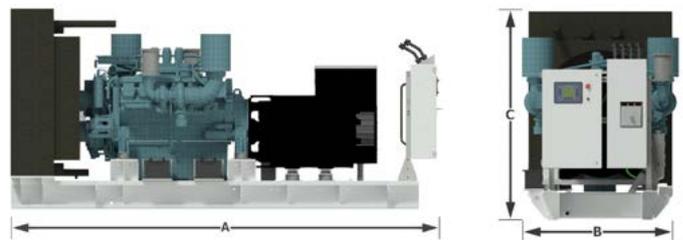
**Standby:** This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

Engine	MTU		16V4000G63
Number of cylinders			16
Cubic capacity	litre (cu inch)		76.3
Aspiration			Turbocharged
Alternator	European		MeccAlte
Frequency	Hz		50
Engine Speed	rpm		1500
Fuel tank capacity (standard)	litre (USgal)		N/A
Fuel consumption at full rating:	110%	litre / h	500.7
	100%	litre / h	446.2
	75%	litre / h	333.0
	50%	litre / h	232.3
Heat rejection to exhaust system (max)	KW (BTU / min)		1471 (83722)
Heat rejection to cooling system (max)	KW (BTU / min)		1210 (68867)
Total radiated heat (max)	KW (BTU / min)		90 (5122.4)
Exhaust temperature (max)	deg C (deg F)		490 (914)
Radiator cooling air flow with max restriction	cu m / min (cfm)		1848 (63567)
	mm (inch) H <sub>2</sub> O		20 (0.79)
Combustion air flow (max)	cu m / min (cfm)		156 (5509)
Exhaust gas flow (max) with max allowable back pressure	cu m / min (cfm)		396 (13985)
	mm (inch) H <sub>2</sub> O		866 (34.1)

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) including circuit breaker	mm	7209
Length (A) excluding circuit breaker	mm	6136
Width (B)	mm	2320
Height (C)	mm	2913



## Weights:

Dry weight (with lube oil)	kg	16941
Wet weight (with lube oil and coolant)	kg	17570

## 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.

## AJ Power Limited

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