

# 9 Series

715kVA – 3340kVA



Diesel generating sets worldwide



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

# DN3-AJ1770-9P-MA

## Diesel, (Water cooled), Compact, Three Phase

	Prime	Standby
Genset model	DN3-AJ1770P	DN3-AJ1770S
380V, 50Hz	1650.0 kVA (1320.0 kW)	1715.0 kVA (1372.0 kW)
400-415V, 50Hz	1650.0 kVA (1320.0 kW)	1770.0 kVA (1416.0 kW)
480V, 60Hz	1687.5 kVA (1350.0 kW)	1875.0 kVA (1500.0 kW)

Ratings at 0.8

**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.



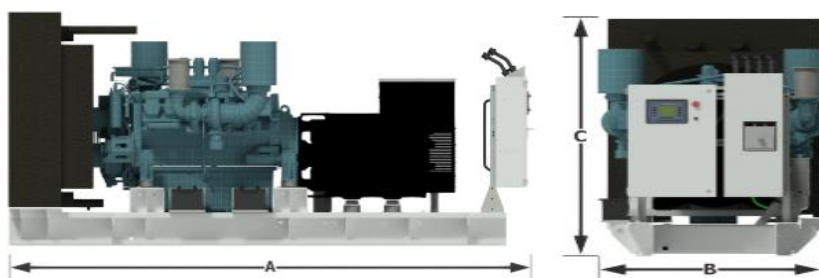
Engine	Perkins	4012-46TAG3A	
Number of cylinders		V12	
Cubic capacity	litre (cu inch)	45.8	
Aspiration		Turbocharged	
Alternator	European	Meccalte	Meccalte
Frequency	Hz	50	60
Engine speed	rpm	1500	1800
Fuel tank capacity (standard)	litre (USgal)	N/A (N/A)	N/A (N/A)
Fuel consumption at full rating: Prime	litre /h (USgal /h)	350.00 (92.47)	365.00 (96.43)
Standby	litre /h (USgal /h)	380.00 (100.40)	404.00 (106.74)
Heat rejection to exhaust system (max)	kW (BTU /min)	1219.0 (69379)	1287.0 (73250)
Heat rejection to cooling system (max)	kW (BTU /min)	1115.0 (63460)	1085.0 (61753)
Total radiated heat (max)	kW (BTU /min)	123.0 (7001)	108.0 (6147)
Exhaust temperature (max)	deg C (deg F)	480 (896)	434 (813.2)
Radiator cooling air flow	cu m /min (cfm)	2220.0 (78399)	2160.0 (76280)
with max restriction	mm (inch) H <sub>2</sub> O	12.7 (0.5)	12.7 (0.5)
Combustion air flow (max)	cu m /min (cfm)	135.00 (4767.5)	145.00 (5120.7)
Exhaust gas flow	cu m /min (cfm)	350.00 (12360.3)	336.00 (11865.8)
with max allowable back pressure	mm (inch) H <sub>2</sub> O	509.8 (20.1)	509.8 (20.1)

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.

Dimensions: mm (inch)	
Length (A)	5872 (231.2)
Length without CB	4874 (191.9)
Width (B)	2164 (85.2)
Height (C)	2838 (111.7)

Weights: kg (lb)	
Dry weight (with lube oil)	10850 (23919)
Wet weight (with lube oil and coolant)	11060 (24382)

Weight is an estimate, excluding fuel and options.



Sound pressure levels: dB(A)		
	50Hz 1500rpm	60Hz 1800rpm
15m, 75% load	N/A	N/A
15m, 100% load	N/A	N/A
7m, 75% load	N/A	N/A
7m, 100% load	N/A	N/A
1m, 75% load	N/A	N/A
1m, 100% load	N/A	N/A

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

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DN3-AJ1770-9P-MA-20151110-EN