

3 Series

10kVA – 66kVA



DIESEL GENERATING SETS WORLDWIDE



Please Note: Photos may not directly represent datasheet models.

DA3-AJ50-P2

Diesel (Water cooled Fuel Optimised), Canopied, Three Phase

Genset model		Prime		Standby	
380-415 V	50Hz	DA3-AJ50P-5P2	45.0 kVA 36.0 kW	DA3-AJ50S-5P2	50.0 kVA 40.0 kW
Genset model		Prime		Standby	
208-480 V	60Hz	DA3-AJ50P-6P2	56.3 kVA 45.0 kW	DA3-AJ50S-6P2	62.5 kVA 50.0 kW

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	Perkins	1103A-33TG1	1103A-33TG1
Number of cylinders		3 in-line	3 in-line
Cubic capacity	litre (cu inch)	3.3(201.38)	3.3(201.38)
Aspiration		Turbocharged	Turbocharged
Alternator		European	European
Frequency	Hz	50	60
Engine speed	rpm	1500	1800
Fuel tank capacity (standard)	litre (USgal)	100.00(26.42)	100.00(26.42)
Fuel consumption at full rating: Prime	litre /h (USgal /h)	10.80(2.85)	12.90(3.41)
Standby	litre /h (USgal /h)	11.70(3.09)	14.30(3.78)
Heat rejection to exhaust system (max)	kW (BTU /min)	35.00(1992.03)	43.00(2447.35)
Heat rejection to cooling system (max)	kW (BTU /min)	30.00(1707.45)	34.00(1935.11)
Total radiated heat (max)	kW (BTU /min)	8.00(455.32)	9.00(512.24)
Exhaust temperature (max)	deg C (deg F)	537.00(998.60)	551.00(1023.80)
Radiator cooling air flow	cu m /min (cfm)	53.00(1871.70)	70.00(2472.05)
with max Restriction	mm (inch) H ₂ O	TBA(TBA)	TBA(TBA)
Combustion air flow (max)	cu m /min (cfm)	3.10(109.48)	3.90(137.73)
Exhaust gas flow (max)	cu m /min (cfm)	8.80(310.77)	9.50(335.49)
with max allowable back pressure	mm (inch) H ₂ O	1020.00(40.16)	1530.00(60.24)

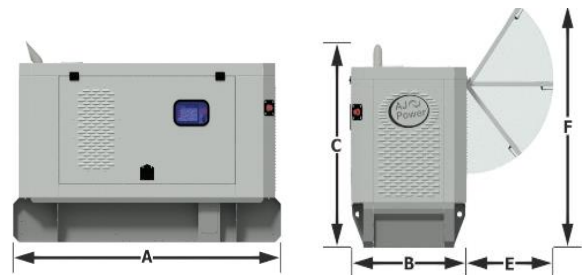
Note: Standard reference conditions: 25deg C (77deg F) air inlet temperature, 152.4m (500feet) above sea level, 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load for diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, class A2.

Dimensions: mm (inch)

Length (A)	2275(89.6)
Width (B)	975(38.4)
Height (C)	1610(63.4)
Max longitudinal projection (D)	N/A(N/A)
Max width projection per side (E)	865(34.1)
Maximum height total (F)	1736(68.3)

Weights: kg (lb)

Dry weight (with lube oil)	1037(2286.1)
Wet weight (with lube oil and coolant)	1045(2303.7)



Weight is an estimate, excluding fuel and options.

Sound pressure levels: dB(A)

	Non CE		CE	
	50Hz 1500rpm	60Hz 1800rpm	50Hz 1500rpm	60Hz 1800rpm
15m, 75% load	60.30	TBA	60.30	TBA
15m, 100% load	60.80	TBA	60.80	TBA
7m, 75% load	64.40	TBA	64.40	TBA
7m, 100% load	65.00	TBA	65.00	TBA
1m, 75% load	75.30	TBA	75.30	TBA
1m, 100% load	76.00	TBA	76.00	TBA

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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