

# 3 Series

10kVA – 110kVA



Diesel generating sets worldwide



Please Note: Photos may not directly represent datasheet models.

# DA3-AJ50

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

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

Ratings at 0.8pf

**Prime Power (PRP):** Applicable for supplying power to a variable electrical load for unlimited hours. A 10% overload capability is permitted for one hour, with or without interruption, within 12 of operation. PRP is in accordance with ISO 8528-1.

**Emergency Standby Power (ESP):** Applicable for supplying power to a variable electrical load for the duration of a utility power failure. Operation is limited to 200 hours per year and no overload is permitted. ESP is in accordance with ISO 8528-1.



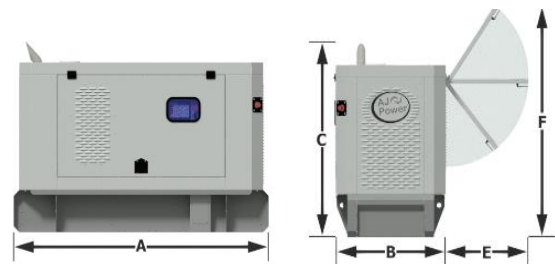
Engine	Perkins	1103A-33TG1	1103A-33TG1
Number of cylinders		3 in-line	3 in-line
Cubic capacity	litre (cu inch)	3.3(201.38)	3.3(201.38)
Aspiration		Turbocharged	Turbocharged
Alternator		European	European
Frequency	Hz	50	60
Engine speed	rpm	1500	1800
Fuel tank capacity (standard)	litre (USgal)	100.00(26.42)	100.00(26.42)
Fuel consumption at full rating: Prime	litre /h (USgal /h)	10.50(2.77)	12.90(3.41)
Standby	litre /h (USgal /h)	11.80(3.12)	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 <sub>2</sub> 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)	7.70(271.93)	9.50(335.49)
with max allowable back pressure	mm (inch) H <sub>2</sub> 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)	50Hz 1500rpm	60Hz 1800rpm
15m, 75% load	60.30	63.30
15m, 100% load	60.80	63.80
7m, 75% load	64.40	67.40
7m, 100% load	65.00	68.00
1m, 75% load	75.30	78.30
1m, 100% load	76.00	78.30



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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