

Output Ratings

Generating Set Model	PZ 45
380 – 415V, 50 Hz	45.0KVA 36.0kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power - Model PZ 45

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. This model can supply 10% overload power for 1 hour in 12 hours.

Technical Data

Engine Make/Model:	Perkins 1103A-33TG1
Alternator Make/Model:	Stamford Alternator / Leroy Somer / Mecc Alte
No. of Cylinders/Alignment:	3 in-line
Displacement: Litres (cu.in)	3.3 (201)
Bore and Stroke: mm (in)	105.0 (4.1) x 127.0 (5.0)
Compression ratio:	17.25:1
Induction:	Turbocharged
Frequency:	50 Hz
Engine Speed: (rpm)	1500
Gross Engine Standby Power: kW (hp)	46.5 (62.4)
Gross Engine Prime Power: kW (hp)	42.2 (56.6)
Radiator Coolant Capacity Litres(US Gal)	10.2 (2.69)
Lubrication System Capacity Litres (US Gal)	7.9 (2.09)
Fuel Tank Capacity: Litres (US Gal)	220 (58.1)
Fuel Consump, Prime : 1/hr (USg/hr)	10.7 (2.83)
Fuel Consump, Standby: 1/hr (USg/hr)	12.0 (3.17)
Heat Rejected to Exhaust System: kW (Btu/min)	35.0 (1992)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	30.0 (1707)
Heat Radiated to Room: kW (Btu/min)	8.0 (455)
Exhaust Temperature: °C (°F)	537 (999)
Radiator Cooling	
Air Flow: m3/min (cfm)	53.0 (1827)
Cooling system designed to operate in ambient conditions up to 50° C (122° F)	
Combustion Air Flow: m3/min (cfm)	3.10 (109)
Exhaust Gas Flow: m3/min (cfm)	7.70 (272)

* Contact your local Power Zone dealer for power ratings at specific site conditions.

Dimensions and Weights

Length: mm(in)	Width: mm(in)	Height: mm(in)	Dry: kg (lb)	Wet: kg (lb)
2210 (87.0)	760 (29.9)	1465 (57.7)	955 (2105)	976 (2152)

Dry = With Lube Oil Wet = With Lube Oil and Coolant

Generating set pictured may include optional accessories

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In line with our policy of continuous product development, we reserve the right to change specification without notice.



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PZ 45