

Output Ratings

Generating Set Model	PZ 400
415V, 50 Hz	400.0KVA 320.0kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power - Model PZ 400

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 2206A-E13TAG3
Alternator Make/Model:	Stamford Alternator / Leroy Somer / Mecc Alte
No. of Cylinders/Alignment:	6 in-line
Displacement: Litres (cu.in)	12.5 (762.8)
Bore and Stroke: mm (in)	130 (5.1) x 157 (6.2)
Compression ratio:	16.3:1
Induction:	Turbocharged & air-to-air charge cooled
Frequency:	50 Hz
Engine Speed: (rpm)	1500
Gross Engine Standby Power: kW (hp)	412.5 (553.2)
Gross Engine Prime Power: kW (hp)	368.4 (494.0)
Radiator Coolant Capacity Litres(US Gal)	51.4 (13.6)
Lubrication System Capacity Litres (US Gal)	40.0 (10.6)
Fuel Tank Capacity: Litres (US Gal)	820.0 (216.6)
Fuel Consump, Prime : 1/hr (USg/hr)	81.0 (21.4)
Fuel Consump, Standby: 1/hr (USg/hr)	90.0 (23.8)
Heat Rejected to Exhaust System: kW (Btu/min)	290.4 (16,515)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	139.9 (7,956)
Heat Radiated to Room: kW (Btu/min)	39.8 (2,263)
Exhaust Temperature: °C (°F)	630 (1166)
Radiator Cooling Air Flow: m3/min (cfm)	563.0 (1045.4)
Cooling system designed to operate in ambient conditions up to 50° C (122° F)	
Combustion Air Flow: m3/min (cfm)	26.4 (932.3)
Exhaust Gas Flow: m3/min (cfm)	72.5 (2560.3)

* 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)
3600.0 (141.7)	1120.0 (44.1)	2140.0 (84.3)	3400 (7495.7)	3500 (7716.2)

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 400