

Output Ratings

Generating Set Model	PZ 500
380 – 415V, 50 Hz	500.0 KVA 400.0 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power - Model PZ 500

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 2506A-E15TAG2
Alternator Make/Model:	Stamford Alternator / Leroy Somer / Mecc Alte
No. of Cylinders/Alignment:	6 in-line
Displacement: Litres (cu.in)	15.2 (927.6)
Bore and Stroke: mm (in)	137.0 (5.4) x 171.0 (6.7)
Compression ratio:	16.0:1
Induction:	Turbocharged & air-to-air charge-cooled
Frequency:	50 Hz
Engine Speed: (rpm)	1500
Gross Engine Standby Power: kW (hp)	495 (664)
Gross Engine Prime Power: kW (hp)	451 (605)
Radiator Coolant Capacity Litres(US Gal)	58.0 (15.3)
Lubrication System Capacity Litres (US Gal)	62.0 (16.4)
Fuel Tank Capacity: Litres (US Gal)	800 (211.3)
Fuel Consump, Prime : 1/hr (USg/hr)	100.0 (26.4)
Fuel Consump, Standby: 1/hr (USg/hr)	111.0 (29.3)
Heat Rejected to Exhaust System: kW (Btu/min)	350.0 (19904)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	165.0 (9383)
Heat Radiated to Room: kW (Btu/min)	35.0 (1990)
Exhaust Temperature: °C (°F)	550.0 (1022)
Radiator Cooling Air Flow: m3/min (cfm)	660 (23308)
Cooling system designed to operate in ambient conditions up to 50° C (122° F)	
Combustion Air Flow: m3/min (cfm)	36.6 (1293)
Exhaust Gas Flow: m3/min (cfm)	98.0 (3461)

* 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)
3833 (150.9)	1123 (44.2)	2130 (83.9)	3900 (8598)	4000 (8818)

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

Generating set pictured may include optional accessories

UAN: (+92-42) 111-111-087
Website: www.powerzone.com.pk
N. Ireland - UK

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



Engineering & Services

We light up your life

PZ 500