

Output Ratings

Generating Set Model	PZ 20
380 – 415V, 50 Hz	20.0 KVA 16.0 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power - Model PZ 20

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 404D-22G
Alternator Make/Model:	Stamford Alternator / Leroy Somer / Mecc Alte
No. of Cylinders/Alignment:	4 in-line
Displacement: Litres (cu.in)	2.22 (135.5)
Bore and Stroke: mm (in)	84.0 (3.3) x 100.0 (3.9)
Compression ratio:	23.1:1
Induction:	Naturally Aspirated
Frequency:	50 Hz
Engine Speed: (rpm)	1500
Gross Engine Standby Power: kW (hp)	20.6 (27.6)
Gross Engine Prime Power: kW (hp)	18.7 (25.1)
Radiator Coolant Capacity Litres(US Gal)	7.0 (1.85)
Lubrication System Capacity Litres (US Gal)	10.6 (2.80)
Fuel Tank Capacity: Litres (US Gal)	100 (26.4)
Fuel Consump, Prime : 1/hr (USg/hr)	5.40 (1.43)
Fuel Consump, Standby: 1/hr (USg/hr)	6.20 (1.64)
Heat Rejected to Exhaust System: kW (Btu/min)	16.6 (945)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	19.6 (1116)
Heat Radiated to Room: kW (Btu/min)	4.4 (250)
Exhaust Temperature: °C (°F)	505 (941)
Radiator Cooling Air Flow: m3/min (cfm)	29.4 (1038)
Cooling system designed to operate in ambient conditions up to 50° C (122° F)	
Combustion Air Flow: m3/min (cfm)	1.45 (51)
Exhaust Gas Flow: m3/min (cfm)	3.94 (139)

* 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)
1342.5 (52.2)	720 (28.3)	1233 (48.5)	554 (1221)	562 (1239)

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 20