



XP68-85

Genset Standby Model
Standby Output

XP 75S
75 KW / 94 KVA

Genset Prime Model
Prime Output

XP 68
68 KW / 85 KVA

RATING DEFINITIONS

Prime Power Model XP with no Suffix

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation, in accordance with ISO 3046-1 and BS5514.

Alternator Model: SLG 224G

Prime Output	68 KW / 85 KVA
Power Efficiency	90.2%
Voltage Regulation	±1.0% with 4% engine governing
Waveform Distortion	No load <1,5% and non-distorting balanced linear load <5%
THF/TIF	<2%/<50

Dimensions and masses

Length	mm	2480
Width	mm	710
Height	mm	1480
Net Mass	kg	1440

Technical Data

Diesel Engine Model: Perkins 1006TG1A

Engine Characteristics	Water-cooled, in line, 6 cylinders, 4 stroke, direct injection, wet cylinder liner 1500 rpm	Exhaust Temperature °C	545
Prime Output (KW)	84.3	Exhaust Back Pressure	6 KPA
Standby Output (KW)	92.7	Air Induction System	Dry element type back pressure warning indication
Aspiration	Turbo-charged	Lube Temperature / Capacity	125°C/16.1 Litre (maximum)
Bore (mm) x Stroke (mm)	100 x 127	BMEP: kPA (Prime Power)	1283
Cubic Capacity (litres)	5.99	Heat Rejection to Exhaust	59.1 kW/min
Piston Speed (m/s)	6.35	Heat Rejection to Cooling	56 KW/min
Compression Ratio	16:01	Cooling System Volume	27.7 Litre
Stability Band Width	≤± 0.8%	Cooling Air Flow	135m³/min
Steady Governing Rate	≤ 5%	Combustion Air Flow	5.45m³ / min
Acoustic Pressure	≤ 92.0 dBA (at full load, 1m distance)	Exhaust Gas Flow	15.56m³/min
		Minimum Fuel Consumption	≤205g/kWh