



XP80-100

Genset Standby Model
Standby Output

XP 88S
88 KW / 110 KVA

Genset Prime Model
Prime Output

XP 80
80 KW / 100 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: SLG274C

Prime Output	80 KW / 100 KVA
Power Efficiency	90.4%
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	1500

Technical Data

Diesel Engine Model: Perkins 1006TG2A

Engine Characteristics	Water-cooled, in line, 6 cylinders, 4 stroke, direct injection, wet cylinder liner 1500 rpm	Exhaust Temperature °C	550
Prime Output (KW)	92.3	Exhaust Back Pressure	6 KPA
Standby Output (KW)	102	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)	1404
Cubic Capacity (litres)	5.99	Heat Rejection to Exhaust	66.5 kW/min
Piston Speed (m/s)	6.35	Heat Rejection to Cooling	63 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	5.74m³ / min
Acoustic Pressure	≤ 94.3 dBA	Exhaust Gas Flow	16.24m³/min
		Minimum Fuel Consumption	≤205g/kWh