



XP36-45

Genset <i>Standby Model</i>	XP 40S	Genset <i>Prime Model</i>	XP 36
Standby Output	40 KW / 50 KVA	Prime Output	36 KW / 45 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: SLG224D

Prime Output	40 KW / 50 KVA
Power Efficiency	88.2%
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	2130
Width	mm	710
Height	mm	1460
Net Mass	kg	1080

Technical Data

Diesel Engine Model: Perkins 1004G

Engine Characteristics	Water-cooled, in line, 4 cylinders, 4 stroke, direct injection, wet cylinder liner 1500 rpm	Exhaust Temperature °C	600
Prime Output (KW)	42	Exhaust Back Pressure	5 KPA
Standby Output (KW)	47	Air Induction System	Dry element type back pressure warning indication
Aspiration	Natural	Lube Temperature / Capacity	125°C/8.1 Litre (maximum)
Bore (mm) x Stroke (mm)	100 x 127	BMEP: kPA (Prime Power)	882
Cubic Capacity (litres)	3.99	Heat Rejection to Exhaust	35.7 kW/min
Piston Speed (m/s)	6.35	Heat Rejection to Cooling	38 KW/min
Compression Ratio	16.0:01	Cooling System Volume	21 Litre
Stability Band Width	≤± 0.8%	Cooling Air Flow	55m³/min
Steady Governing Rate	≤ 5%	Combustion Air Flow	2.64m³ / min
Acoustic Pressure	≤ 91.2 (dBA at full load, 1m distance)	Exhaust Gas Flow	7.54m³/min
		Minimum Fuel Consumption	≤208g/kWh