



XP91-114

Genset Standby Model
Standby Output

XP 100S
100 KW / 125 KVA

Genset Prime Model
Prime Output

XP 91
91 KW / 114 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: SLG274D

Prime Output	91 KW / 114 KVA
Power Efficiency	90.8%
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	2580
Width	mm	800
Height	mm	1480
Net Mass	kg	1520

Technical Data

Diesel Engine Model: Perkins 1006TAG

Engine Characteristics	Water-cooled, in line, 6 cylinders, 4 stroke, direct injection, wet cylinder liner 1500 rpm	Exhaust Temperature °C	571
Prime Output (KW)	121	Exhaust Back Pressure	6 KPA
Standby Output (KW)	134	Air Induction System	Dry element type back pressure warning indication
Aspiration	Turbo-charged air-to-air charge cooled	Lube Temperature / Capacity	125 °C/19 Litre (maximum)
Bore (mm) x Stroke (mm)	100 x 127	BMEP: kPA (Prime Power)	1964
Cubic Capacity (litres)	5.99	Heat Rejection to Exhaust	115 kW/min
Piston Speed (m/s)	6.35	Heat Rejection to Cooling	65.5 KW/min
Compression Ratio	17:01	Cooling System Volume	37.2 Litre
Stability Band Width	≤± 0.25%	Cooling Air Flow	154m³/min
Steady Governing Rate	≤ 1%	Combustion Air Flow	8.38m³ / min
Acoustic Pressure	≤ 94.9 dBA	Exhaust Gas Flow	24.14m³/min
		Minimum Fuel Consumption	≤205g/kWh