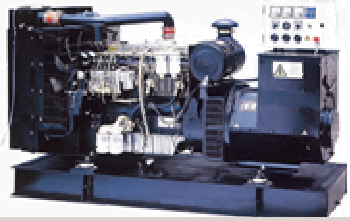
Immortal Energy

Xtantis GENERATORS



XP72-90

Genset *Standby Model*	**XP 80S**	**Genset *Prime Model***	**XP 72**
Standby Output	**80 KW / 100 KVA**	**Prime Output**	**72 KW / 90 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**	**1490**

Technical Data

Diesel Engine Model: Perkins 1006TG1A

Engine Characteristics	Water-cooled, in line, 6 cylinders, 4 stroke, direct injection, wet cylinder liner 1500 rpm
Prime Output (KW)	84.3
Standby Output (KW)	92.7
Aspiration	Turbo-charged
Bore (mm) x Stroke (mm)	100 x 127
Cubic Capacity (litres)	5.99
Piston Speed (m/s)	6.35
Compression Ratio	16:01
Stability Band Width	≤± 0.8%
Steady Governing Rate	≤ 5%
Acoustic Pressure	≤ 92.0 dBA (at full load, 1m distance)

Exhaust Temperature ℃	545
Exhaust Back Pressure	6 KPA
Air Induction System	Dry element type back pressure warning indication
Lube Temperature / Capacity	125℃/16.1 Litre (maximum)
BMEP: kPA (Prime Power)	1283
Heat Rejection to Exhaust	59.1 kW/min
Heat Rejection to Cooling	56 KW/min
Cooling System Volume	27.7 Litre
Cooling Air Flow	135m³/min
Combustion Air Flow	5.45m³ / min
Exhaust Gas Flow	15.56m³/min
Minimum Fuel Consumption	≤205g/kWh