



XC91-114

Genset Standby Model
Standby Output

XC 100S
100 KW / 125 KVA

Genset Prime Model
Prime Output

XC 91
91 KW / 114 KVA

RATING DEFINITIONS

Prime Power Model XC 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
Fan Cooling Air Flow (l/s)	514

Dimensions and masses

Length	mm	2330
Width	mm	750
Height	mm	1460
Net Mass	kg	1500

Technical Data

Diesel Engine Model: Cummins 6BTAA5.9-G

Engine Characters	Water-cooled, in line, 6 cylinders, direct injection, wet cylinder liner 1500 rpm	Speed Characteristics	The speed bandwidth ≤+0.25%. The steady governing rate <1%
Prime Output (KW)	102	Fuel Consumption (l/h)	26
Standby Output (KW)	110	Lube Consumption (prime)	≤ 1.36g/KWh
Aspiration	Turbo charged	Radiated Heat to Ambient	N/A
Bore (mm) x Stroke (mm)	102 x 120	Heat Rejection to Coolant	N/A
Cubic Capacity (litres)	5.88	Heat Rejection to Exhaust	N/A
Piston Speed (m/s)	6	Fan Cooling Air Flow	7470 m³/min
Compression Ratio	16.5:1	Intake Air Flow (l/s)	N/A
Cooling System Volume	31	Exhaust Gas Flow	1302 m³/h
Maximum Water Temp	100 °C	Exhaust Temperature	524 °C
		Exhaust Back Pressure	10 KPA (maximum)