



XC77-96

Genset Standby Model
Standby Output

XC 85S
85 KW / 106 KVA

Genset Prime Model
Prime Output

XC 77
77 KW / 96 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: 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
Fan Cooling Air Flow (l/s)	514

Dimensions and masses

Length	mm	2190
Width	mm	750
Height	mm	1460
Net Mass	kg	1400

Technical Data

Diesel Engine Model: Cummins 6BT5.9-G2

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)	92	Fuel Consumption (l/h)	23
Standby Output (KW)	100	Lube Consumption (prime)	≤ 1.36g/KWh
Aspiration	Turbo charged	Radiated Heat to Ambient	14 KWm
Bore (mm) x Stroke (mm)	102 x 120	Heat Rejection to Coolant	62 KWm
Cubic Capacity (litres)	5.88	Heat Rejection to Exhaust	69 KW/m
Piston Speed (m/s)	6	Fan Cooling Air Flow	7470 m³/min
Compression Ratio	16.5:1	Intake Air Flow (l/s)	94
Cooling System Volume	24.6	Exhaust Gas Flow	1020 m³/h
Maximum Water Temp	100 °C	Exhaust Temperature	576 °C
		Exhaust Back Pressure	10 KPA (maximum)