



XC140-175

Genset Standby Model
Standby Output

XC 160S
160 KW / 200 KVA

Genset Prime Model
Prime Output

XC 140
140 KW / 175 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: SLG274F

Prime Output	140 KW / 175 KVA
Power Efficiency	92.5 %
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	2500
Width	mm	820
Height	mm	1650
Net Mass	kg	2000

Technical Data

Diesel Engine Model: Cummins 6CTAA8.3-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)	163	Fuel Consumption (l/h)	40
Standby Output (KW)	180	Lube Consumption (prime)	≤ 1.36g/KWh
Aspiration	Turbo and charge air cooled	Radiated Heat to Ambient	24
Bore (mm) x Stroke (mm)	114 x 135	Heat Rejection to Coolant	88
Cubic Capacity (litres)	8.3	Heat Rejection to Exhaust	127
Piston Speed (m/s)	6.75	Fan Cooling Air Flow	11160 m³/min
Compression Ratio	16.5:1	Intake Air Flow (l/s)	163
Cooling System Volume	28	Exhaust Gas Flow	1850 m³/h
Maximum Water Temp	100 °C	Exhaust Temperature	638 °C
		Exhaust Back Pressure	10 KPA (maximum)