



XC280 - 350

Genset Standby Model
Standby Output

XC 310S
310 KW / 388 KVA

Genset Prime Model
Prime Output

XC 280
280 KW / 350KVA

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: SL314F

Prime Output	304 KW / 380 KVA
Power Efficiency	92.6 %
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)	486

Dimensions and masses

Length	mm	3620
Width	mm	1120
Height	mm	1600
Net Mass	kg	3550

Technical Data

Diesel Engine Model: CUMMINS NTA855-G4

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)	317	Fuel Consumption (l/h)	76
Standby Output (KW)	351	Lube Consumption (prime)	≤ 1.36g/KWh
Aspiration	Turbo charged and after cooler	Radiated Heat to Ambient	46 KWm
Bore (mm) x Stroke (mm)	140 x 152	Heat Rejection to Coolant	187 KWm
Cubic Capacity (litres)	14	Heat Rejection to Exhaust	212 KW/m
Piston Speed (m/s)	7.6	Fan Cooling Air Flow	29448 m³/min
Compression Ratio	15:01	Intake Air Flow (l/s)	408
Cooling System Volume	51	Exhaust Gas Flow	4060 m³/h
Maximum Water Temp	100 °C	Exhaust Temperature	541 °C
		Exhaust Back Pressure	10 KPA (maximum)