



XC500-640

Genset Standby Model
Standby Output

XC 565S
565 KW / 706 KVA

Genset Prime Model
Prime Output

XC 500
512 KW / 640 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: SLG404F

Prime Output	500 KW / 625 KVA
Power Efficiency	94.9 %
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)	1035

Dimensions and masses

Length	mm	4580
Width	mm	1680
Height	mm	2250
Net Mass	kg	8600

Technical Data

Diesel Engine Model: Cummins KT38-G

Engine Characters	Water-cooled, in line, 12 cylinders, direct injection, wet cylinder liner 1500 rpm	Speed Characteristics	The speed bandwidth ≤+0.25%. The steady governing rate <1%
Prime Output (KW)	560	Fuel Consumption (l/h)	140
Standby Output (KW)	616	Lube Consumption (prime)	≤ 1.36g/KWh
Aspiration	Turbocharged	Radiated Heat to Ambient	96
Bore (mm) x Stroke (mm)	159 x 159	Heat Rejection to Coolant	389
Cubic Capacity (litres)	38	Heat Rejection to Exhaust	540
Piston Speed (m/s)	7.9	Fan Cooling Air Flow	103957 m³/min
Compression Ratio	14.5:1	Intake Air Flow (l/s)	802
Cooling System Volume	196	Exhaust Gas Flow	8071 m³/h
Maximum Water Temp	100 °C	Exhaust Temperature	538 °C
		Exhaust Back Pressure	10 KPA (maximum)