



XC45-56

Genset *Standby Model*
Standby Output

XC 50S
50 KW / 63 KVA

Genset *Prime Model*
Prime Output

XC 45
45 KW / 56 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: SLG224E

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|-----------------------------------|---|
| Prime Output | 48 KW / 60 KVA |
| Power Efficiency | 88.6 % |
| 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) | 216 |

Dimensions and masses

| | | |
|-----------------|-----------|-------------|
| Length | mm | 1630 |
| Width | mm | 650 |
| Height | mm | 1460 |
| Net Mass | kg | 1110 |

Technical Data

Diesel Engine Model: Cummins 4BTA3.9-G

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|-------------------------|---|---------------------------|--|
| Engine Characters | Water-cooled, in line, 4 cylinders, direct injection, wet cylinder liner 1500 rpm | Speed Characteristics | The speed bandwidth ≤+0.25%. The steady governing rate <1% |
| Prime Output (KW) | 50 | Fuel Consumption (l/h) | 13 |
| Standby Output (KW) | 55 | Lube Consumption (prime) | ≤ 1.36g/KWh |
| Aspiration | Turbo and after cool | Radiated Heat to Ambient | 8 KWm |
| Bore (mm) x Stroke (mm) | 102 x 120 | Heat Rejection to Coolant | 29 KWm |
| Cubic Capacity (litres) | 3.92 | Heat Rejection to Exhaust | 41 KW/m |
| Piston Speed (m/s) | 6 | Fan Cooling Air Flow | 6790 m³/min |
| Compression Ratio | 16.5:1 | Intake Air Flow (l/s) | 52 |
| Cooling System Volume | 16.9 | Exhaust Gas Flow | 612 m³/h |
| Maximum Water Temp | 100 °C | Exhaust Temperature | 502 °C |
| | | Exhaust Back Pressure | 10 KPA (maximum) |