

CM-WC50

DIESEL GENERATOR SET / OPEN + SILENT



OPEN SET



SILENT SET

50 kVA

STANDBY POWER

45 kVA

PRIME POWER

50 Hz

FREQUENCY

400/230 v

VOLTAGE

Weichai WP2.3D48E200

3 phase · 0.8 PF · 1500 rpm

Configuration	Typical application
Open (skid-mounted)	Plant rooms, container frames, OEM builds
Silent (acoustic canopy)	Approx. 75 dB(A) at 7 m, weatherproof
Containerised	ISO footprint, walk-in or standard, up to 45 ft

Enclosure dimensions, weights and tank size are issued with the quotation.

GENERAL CHARACTERISTICS

CM-WC50 · 50 Hz · 3 Phase

RATED PERFORMANCE

Standby Power (kVA)	50
Standby Power (kW)	40
Prime Power (kVA)	45
Prime Power (kW)	36
Power Factor (Cos Phi)	0.8
Diesel Engine	WP2.3D48E200
Frequency (Hz)	50
Rated Speed (rpm)	1500
Phase	3
Standard Voltage (V)	400/230

POWER DEFINITIONS

STANDBY POWER (ESP)

Available for supplying emergency power during a utility interruption. The stated rating follows ISO 8528-1; overload is not permitted.

PRIME POWER (PRP)

Available for an unlimited number of annual operating hours in variable-load applications, in accordance with ISO 8528-1.

TERMS OF USE

Nominal power is stated at 25 °C inlet-air temperature, 100 kPa barometric pressure (100 m A.S.L.) and 30% relative humidity.

RATED OUTPUT CURRENT BY VOLTAGE

Rated voltage	Standby current (50 kVA)	Prime current (45 kVA)
400/230 V	72.2 A	65.0 A
380/220 V	76.0 A	68.4 A
415/240 V	69.6 A	62.6 A