

CM-YC450

DIESEL GENERATOR SET / OPEN + SILENT



OPEN SET



SILENT SET

450 kVA

STANDBY POWER

400 kVA

PRIME POWER

50 Hz

FREQUENCY

400/230 v

VOLTAGE

Yuchai YCMJ12540-G30

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-YC450 · 50 Hz · 3 Phase

RATED PERFORMANCE

Standby Power (kVA)	450
Standby Power (kW)	360
Prime Power (kVA)	400
Prime Power (kW)	320
Power Factor (Cos Phi)	0.8
Diesel Engine	YCMJ12540-G30
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 (450 kVA)	Prime current (400 kVA)
400/230 V	649.5 A	577.4 A
380/220 V	683.7 A	607.7 A
415/240 V	626.0 A	556.5 A