CM-YC450

DIESEL GENERATOR SET / OPEN + SILENT

OPEN SET

SILENT SET

450 kVA	400 kVA	50 Hz	400/230 V
STANDBY POWER	PRIME POWER	FREQUENCY	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**