CM-YC500

DIESEL GENERATOR SET / OPEN + SILENT

OPEN SET

SILENT SET

500 kVA	450 kVA	60 Hz	480/277 V
STANDBY POWER	PRIME POWER	FREQUENCY	VOLTAGE

Yuchai YCT16TAA600-G21

3 phase · 0.8 PF · 1800 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-YC500 · 60 Hz · 3 Phase

RATED PERFORMANCE

Standby Power (kVA)	**500**
Standby Power (kW)	**400**
Prime Power (kVA)	**450**
Prime Power (kW)	**360**
Power Factor (Cos Phi)	**0.8**
Diesel Engine	**YCT16TAA600-G21**
Frequency (Hz)	**60**
Rated Speed (rpm)	**1800**
Phase	**3**
Standard Voltage (V)	**480/277**

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 (500 kVA)	Prime current (450 kVA)
480/277 V	**601.4 A**	**541.3 A**
220/127 V	**1312.2 A**	**1180.9 A**
440/254 V	**656.1 A**	**590.5 A**