

# CM-YC550

**DIESEL GENERATOR SET / OPEN + SILENT**



**OPEN SET**



**SILENT SET**

**550** kVA

STANDBY POWER

**500** kVA

PRIME POWER

**60** Hz

FREQUENCY

**480/277** V

VOLTAGE

**Yuchai YCT16TAA660-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-YC550 · 60 Hz · 3 Phase

## RATED PERFORMANCE

|                        |                 |
|------------------------|-----------------|
| Standby Power (kVA)    | 550             |
| Standby Power (kW)     | 440             |
| Prime Power (kVA)      | 500             |
| Prime Power (kW)       | 400             |
| Power Factor (Cos Phi) | 0.8             |
| Diesel Engine          | YCT16TAA660-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 (550 kVA) | Prime current (500 kVA) |
|---------------|---------------------------|-------------------------|
| 480/277 V     | 661.5 A                   | 601.4 A                 |
| 220/127 V     | 1443.4 A                  | 1312.2 A                |
| 440/254 V     | 721.7 A                   | 656.1 A                 |