

CM-SD47E

DIESEL GENERATOR SET / OPEN + SILENT



OPEN SET



SILENT SET

46.75 kVA

STANDBY POWER

42.5 kVA

PRIME POWER

60 Hz

FREQUENCY

480/277 V

VOLTAGE

SDEC 4ZT3.2-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-SD47E · 60 Hz · 3 Phase

RATED PERFORMANCE

Standby Power (kVA)	46.75
Standby Power (kW)	37.4
Prime Power (kVA)	42.5
Prime Power (kW)	34
Power Factor (Cos Phi)	0.8
Diesel Engine	4ZT3.2-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 (46.75 kVA)	Prime current (42.5 kVA)
480/277 V	56.2 A	51.1 A
220/127 V	122.7 A	111.5 A
440/254 V	61.3 A	55.8 A