



DIESEL GENERATOR SET CT13.8YM5 / CT16.5YM6

SPECIFICATION

| MODEL | Power rating | | Voltage available | | |
|---------------------|--------------|---------|-------------------|----------|-------------------|
| | PRIME(1) | | | | |
| CT13.8YM5 400V/50Hz | 10KW | 11KW | 380/220v | 400/230v | 415/240v |
| | PF:0.8 | 12.5KVA | 13.8KV | | |
| CT16.5YM6 220V/60Hz | 12KW | 13.2KW | 208/120v | 220/127v | 240/139v |
| | PF:0.8 | 15KVA | 16.5KVA | 380/220v | 440/254v 480/277v |

GENERAL INFORMATION

DIESEL GENERATOR SET

| | |
|---------------------|--------------------------------|
| Motor | YANMAR 3TNV88 |
| Alternator | STAMFORD OR LEROY SOMER |
| Speed Control type | Centrifugal-all speed governor |
| Phase | Three |
| Fuel Tank Capacity | 50 L |
| System Voltage | 12V |
| Frequency | 50HZ 60HZ |
| Fuel injection pump | Bosch in-line, Yanmar made |
| Emission level | Stage 4 |

ENGINE

| | | |
|----------------------|---------------------|--------------|
| Maximum output(kw) | 13.2KW(50Hz) | 15.6KW(60HZ) |
| Number of Cylinders | 3 | |
| Aspiration | Naturally aspirated | |
| Cycle | 4 | |
| Fuel Type | Diesel | |
| Combustion Type | Indirect Injection | |
| Cooling Type | Water cooled | |
| Bore | 88mm | |
| Stroke | 90mm | |
| Displacement | 1.642 L | |
| Compression Ratio | 19.1:1 | |
| Lubrication Capacity | 6.7 liter | |
| Coolant Capacity | 2 liter | |

| | FUEL CONSUMPTION | |
|--------------------|------------------|-----------|
| | 1500 RPM | 1800RPM |
| Standby Power(2) | 3.18 L/hr | 3.82 L/hr |
| Prime Power(1) | 2.89 | 3.47 |
| 75% Prime Power(1) | 2.17 | 2.60 |
| 50% Prime Power(1) | 1.45 | 1.74 |

| DIMENSION | | |
|------------|--------|--------|
| | OPEN | SILENT |
| Length (A) | 1460mm | 1800mm |
| Width (B) | 730 mm | 740mm |
| Height (C) | 1170mm | 1150mm |
| Net Weight | 550 kg | 625kg |

Alternator

| | |
|------------------|-----------------|
| Insulation | Class "H" |
| Excitation Type | Self-excitation |
| Protection class | IP23 |

Certificates

| | |
|---------------|---|
| Engine | ISO 3046, BS 5514, DIN 6271 |
| Alternator | UTE NFC 51-111-105-110 ICE34-1, BS 5000-4999 NEMA MG 21, VDE 0530 |
| Generator Set | ISO 8528 |



(1)Prime Power: ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity

(2)Standby Power: Power available at variable load for up to a maximum of 500 hours during one year of which 300 hours may be for continuous use

(3)Operation at Altitude ≤1500m, Ambient temperature ≤ 40°C).If altitude higher than 1500m, each 300m will cause additional de-rating 4%.

Certification ISO 9001:2008