



GROUP

| | | Standby Power | Prime Power |
|------------------|---------|---------------|-------------|
| Power | kVA | 500 | 454 |
| Power | kW | 400 | 363 |
| Engine Speed | rpm | 1500 | |
| Standard Voltage | V | 400 / 230 | |
| Power Factor | Cos Phi | 0,8 | |

Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

Standby Power

The max power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 hrs of operation per year under average of 70% load. Overloading isn't permissible.

Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

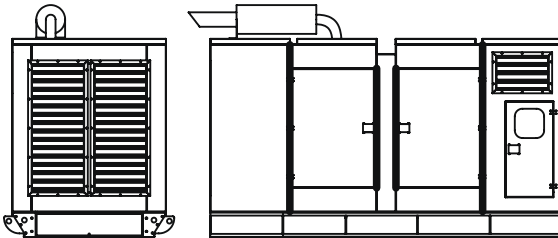
Engine Properties

| | | |
|-----------------------------------|--------------|--------------------------|
| Brand | | PERKINS |
| Model | | 2506A-E15TAG1 |
| Standby | <i>kW</i> | 435 |
| Prime | <i>kW</i> | 396 |
| Cylinder Displacement | <i>lt.</i> | 15,2 |
| Number of Cylinders / Type | | 6 / In line |
| Bore x Stroke | <i>mmxmm</i> | 137x171 |
| Compression Ratio | | 16 : 1 |
| Governor Type | | Electronic |
| Idle Speed | <i>rpm</i> | 1500 |
| Aspiration | | Turbocharged Intercooler |
| Injection Type | | Direct Injection |
| Cooling System | | Liquid Cooled |
| Fuel Consumption%100 | <i>lt/h</i> | 95 |
| Fuel Consumption%75 | <i>lt/h</i> | 72 |
| Fuel Consumption%50 | <i>lt/h</i> | 50 |
| Oil Capacity | <i>lt.</i> | 62 |
| Cooling Liquid Capacity | <i>lt.</i> | 58 |
| Voltage | <i>V</i> | 24 |
| Battery Capacity | <i>A</i> | 2x60 |

Alternator Properties

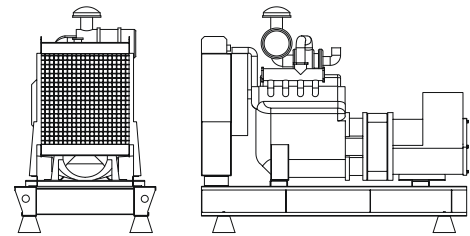
| | | |
|-------------------------------------|-------------|-------------|
| Output Voltage | <i>V</i> | 230/400 |
| Frequency | <i>HZ</i> | 50 |
| Automatic Voltage Regulation | $\pm\%$ | 0,5 |
| Phase | | 3 |
| Pole | | 4 |
| Overload | | 1 Hour %110 |
| Voltage Regulation | | $\pm\%1$ |
| Power Factor | <i>Cosq</i> | 0,8 |
| Warning System | | Self Alert |
| AVR Model | | SX460 |
| Total Harmonic Losing | | $\leq\%3$ |
| Connecting Type | | Star |
| Protection Class | | IP 23 |
| Isolation Class | | H |

Diemensions



Canopied

| | | |
|---------------------------|------------|----------------|
| L x W x H | <i>mm</i> | 3660x1600x2420 |
| Weight | <i>kg</i> | TBA |
| Fuel Tank Capacity | <i>lt.</i> | 830 |



Open Set

| | | |
|---------------------------|------------|---------------|
| L x W x H | <i>mm</i> | 3660x1600xTBA |
| Weight | <i>kg</i> | TBA |
| Fuel Tank Capacity | <i>lt.</i> | 830 |

Standard Specification

Some standard equipments that TMG POWER provides with generator sets;

- 50°C cooland radiator
- Flexible fuelpipes and oil drain valve
- Engine jacket heater
- 4 pole synchronous type self-excited brushless alternator
- Battery and wires
- Entegrated fuel tank
- User and maintenance manual
- Oil and antifreeze
- Datakom D-300 controller
- Battery charger
- Electrical circuit diagram



- Diesel and gas genset support
- 400Hz operation support
- Downloadable languages
- Harmonic analysis of V & I
- Weekly operation schedule
- Dual mutual standby with equal aging of gensets
- Overload IDMT protection
- Current unbalance protection
- Fuel filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Contactor & MCB drive
- Fuel filling counters
- Fuel consumption counter
- Automatic GSM geo-location
- Reverse power protection
- Free configuration program
- Mobile genset support
- 3 level configuration password
- Ip65 rating with optional gasket

Optional Specification

Some Optional Equipments that TMG POWER provides with generator Sets;

- Auto refueling system
- Extra fuel tank , coil heaters
- Remote radiator
- Synchronization system
- Circuit breaker
- Special soundproof canopies
- Siesmic solutions
- Trailer
- Remote control panel
- Automatic transfer switch