



| GROUP            |         | Standby Power | Prime Power |
|------------------|---------|---------------|-------------|
| Power            | kVA     | 34            | 30,9        |
| Power            | kW      | 27,2          | 24,7        |
| 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 maxpower 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 utilitypower 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.

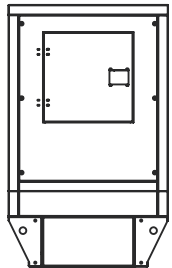
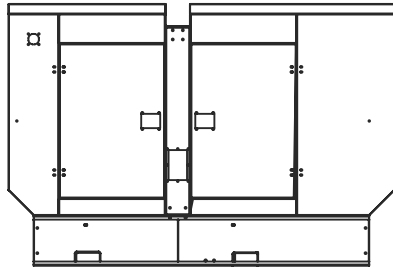
## Engine Properties

|                                    |                    |
|------------------------------------|--------------------|
| Brand                              | RICARDO            |
| Model                              | K4100D             |
| Standby <i>kW</i>                  | 33,1               |
| Prime <i>kW</i>                    | 30,1               |
| Cylinder Displacement <i>lt.</i>   | 3,6                |
| Number of Cylinders / Type         | 4 / In line        |
| Bore x Stroke <i>mmxmm</i>         | 100x115            |
| Compression Ratio                  | 17:1               |
| Governor Type                      | Mechanic           |
| Idle Speed <i>rpm</i>              | 1500               |
| Aspiration                         | Natural Aspiration |
| Injection Type                     | Direct Injection   |
| Cooling System                     | Liquid Cooled      |
| Fuel Consumption%100 <i>lt/h</i>   | 9,2                |
| Fuel Consumption%75 <i>lt/h</i>    | 6,9                |
| Fuel Consumption%50 <i>lt/h</i>    | 4,6                |
| Oil Capacity <i>lt.</i>            | 13                 |
| Cooling Liquid Capacity <i>lt.</i> | 17                 |
| Voltage <i>V</i>                   | 12                 |
| Battery Capacity <i>A</i>          | 60                 |

## Alternator Properties

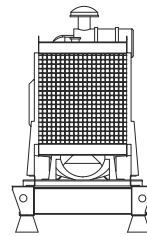
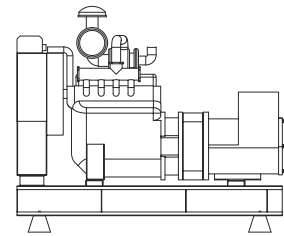
|                                          |             |
|------------------------------------------|-------------|
| Output Voltage <i>V</i>                  | 230/400     |
| Frequency <i>HZ</i>                      | 50          |
| Automatic Voltage Regulation $\pm\%$     | 0,5         |
| Phase                                    | 3           |
| Pole                                     | 4           |
| Overload                                 | 1 Hour %110 |
| Voltage Regulation                       | $\pm\%1$    |
| Power Factor <i>Cos<math>\phi</math></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>           | 2300x950x1560 |
| Weight <i>kg</i>              | TBA           |
| Fuel Tank Capacity <i>lt.</i> | 85            |



### Open Set

|                               |               |
|-------------------------------|---------------|
| L x W x H <i>mm</i>           | 2000x950x1310 |
| Weight <i>kg</i>              | TBA           |
| Fuel Tank Capacity <i>lt.</i> | 85            |

## 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