



Distribuit de Power House

# TMGB-25

DIESEL GENERATOR

MOTEURS **Baudouin**



## GROUP

## Standby Power

## Prime Power

|                  |         |           |      |
|------------------|---------|-----------|------|
| Power            | kVA     | 25        | 22.7 |
| Power            | kW      | 20        | 18.1 |
| 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.



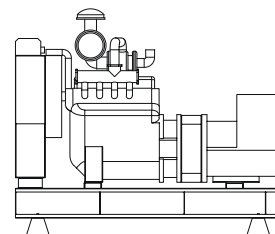
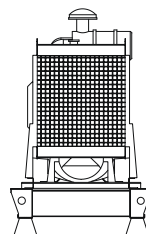
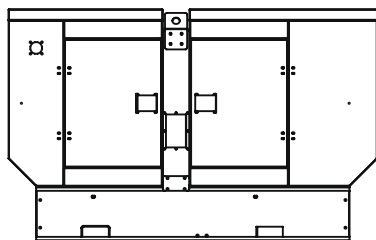
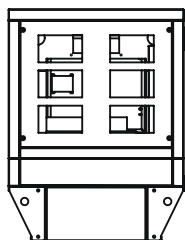
## Engine Properties

|                                   |              |                    |
|-----------------------------------|--------------|--------------------|
| <b>Brand</b>                      |              | BAUDOUIN           |
| <b>Model</b>                      |              | 4M06G25/5          |
| <b>Standby</b>                    | <i>kW</i>    | 25                 |
| <b>Prime</b>                      | <i>kW</i>    | 23                 |
| <b>Cylinder Displacement</b>      | <i>lt.</i>   | 2.3                |
| <b>Number of Cylinders / Type</b> |              | 4 / In line        |
| <b>Bore x Stroke</b>              | <i>mmxmm</i> | 89x92              |
| <b>Compression Ratio</b>          |              | 17.5:1             |
| <b>Governor Type</b>              |              | Electronic         |
| <b>Idle Speed</b>                 | <i>rpm</i>   | 1500               |
| <b>Aspiration</b>                 |              | Natural Aspiration |
| <b>Injection Type</b>             |              | Direct Injection   |
| <b>Cooling System</b>             |              | Liquid Cooled      |
| <b>Fuel Consumption%100</b>       | <i>lt/h</i>  | 6.1                |
| <b>Fuel Consumption%75</b>        | <i>lt/h</i>  | 4.5                |
| <b>Fuel Consumption%50</b>        | <i>lt/h</i>  | 3.2                |
| <b>Oil Capacity</b>               | <i>lt.</i>   | 11.5               |
| <b>Cooling Liquid Capacity</b>    | <i>lt.</i>   | 16                 |
| <b>Voltage</b>                    | <i>V</i>     | 12                 |
| <b>Battery Capacity</b>           | <i>A</i>     | 72                 |

## Alternator Properties

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

## Diemensions



### Canopied

|                           |            |               |
|---------------------------|------------|---------------|
| <b>L x W x H</b>          | <i>mm</i>  | 2000x950x1260 |
| <b>Weight</b>             | <i>kg</i>  | TBA           |
| <b>Fuel Tank Capacity</b> | <i>lt.</i> | 85            |

### Open Set

|                           |            |              |
|---------------------------|------------|--------------|
| <b>L x W x H</b>          | <i>mm</i>  | 1700x950xTBA |
| <b>Weight</b>             | <i>kg</i>  | TBA          |
| <b>Fuel Tank Capacity</b> | <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



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# TMGB-25



- 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

