

| Power Output Ratings | | 50 Hz / 400 V | | 60 Hz / 440 V | |
|----------------------|-----|---------------|------|---------------|--|
| Standby Power (ESP) | kVA | 1609 | 1612 | | |
| | kW | 1287 | 1290 | | |
| Prime Power (PRP) | kVA | 1500 | 1506 | | |
| | kW | 1200 | 1205 | | |



| Engine | | | | | |
|--------------------------------|------|--|------------------|------------------|--|
| Manufacturer | | PERKINS | | | |
| Origin | | U.K. | | | |
| Model | | 4012-46TWG4A | | | |
| No of Cylinder / Configuration | | 12 - V TYPE | | | |
| Displacement | | lt | 45,842 | | |
| Bore / Stroke | | mm | 160 / 190 | | |
| Compression Ratio | | 13:1 | | | |
| Aspiration | | Turbocharged and Air-to-Water Charged Cooled | | | |
| Governor Type | | ELECTRONIC | | | |
| Cooling System | | WATER | | | |
| Coolant Capacity | | lt | 201 | | |
| Lubrication Oil Capacity | | lt | 177 | | |
| Electrical System | | VDC | 24 | | |
| Speed / Frequency | | | 1500 rpm / 50 Hz | 1800 rpm / 60 Hz | |
| Engine Gross Power | | kWm | 1396 | 1396 | |
| Fuel Consumption | lt/h | 110 % | 350 | 355 | |
| | | 100 % | 316 | 323 | |
| | | 75 % | 233 | 257 | |
| | | 50 % | 160 | 175 | |
| Exhaust Outlet Temperature | | °C | 470 | 505 | |
| Exhaust Gas Flow | | m³/min | 285 | 325 | |
| Combustion Air Flow | | m³/min | 118 | 122 | |
| Cooling Air Flow | | m³/min | TBA | TBA | |

Standby Power

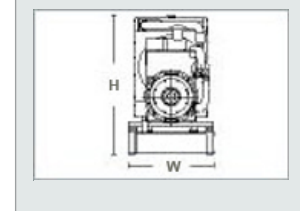
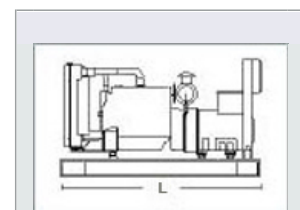
Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

Prime Power

Prime power is defined as being 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 hours.

| Alternator | | | | | |
|------------------------------------|--|--|-----------|-----------|--|
| Manufacturer | | MARELLI | | | |
| Origin | | ITALY | | | |
| Model | | MJB450MB4 | | | |
| No of Phase | | 3 | | | |
| Power Factor | | 0,8 | | | |
| No of Bearing | | SINGLE | | | |
| No of Poles | | 4 | | | |
| No of Leads | | 6 | | | |
| Voltage Regulation (Steady State) | | ± %0,5 | | | |
| Insulation Class | | H | | | |
| Degree of Protection | | IP 23 | | | |
| Excitation System | | AVR (Automatic Voltage Regulator), Brushless | | | |
| Connection Type | | STAR | | | |
| Total Harmonic Content (No Load) | | < %2 | | | |
| Frequency | | Hz | 50 | 60 | |
| Voltage Output | | VAC | 230 / 400 | 254 / 440 | |
| Rated Power (Standby) | | kVA | 1620 | 1860 | |
| Efficiency | | % | 95,9 | 96,1 | |

| | W x L x H (mm) | Weight (kg) | Fuel Tank (lt) | Noise (dBA) |
|-----------|--------------------|-------------|----------------|-------------|
| Canopied | 2468 x 9145 x 3700 | 17463 | 2440 | TBA |
| Open Skid | 1880 x 4800 x 2350 | 9763 | 2500 | TBA |



- Technical information and values are according to ISO8528, ISO3046, NEMA MG-1.22, IEC 60034-1, BS 4999-5000, VDE 0530 standards.
 - Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.
 - All information given in this leaflet is intended for general purposes only. Due to a policy continuous improvement Teksan reserves the right to amend details and specifications without notice and all information given is subject to the Teksan's current condition of sales.

TBA: To Be Ask TBD: To Be Determined NA: Not Available N/A: Not Applicable TTD1610PE0309-EN

www.teksangenerator.com

