

| Power Output Ratings |     | 50 Hz / 400 V |      | 60 Hz / 440 V |  |
|----------------------|-----|---------------|------|---------------|--|
| Standby Power (ESP)  | kVA | 1540          | 1706 |               |  |
|                      | kW  | 1232          | 1365 |               |  |
| Prime Power (PRP)    | kVA | 1397          | 1550 |               |  |
|                      | kW  | 1117          | 1240 |               |  |



| Engine                         |      |                              |                  |                  |  |
|--------------------------------|------|------------------------------|------------------|------------------|--|
| Manufacturer                   |      | MITSUBISHI                   |                  |                  |  |
| Origin                         |      | JAPAN                        |                  |                  |  |
| Model                          |      | S12R-PTA2                    |                  |                  |  |
| No of Cylinder / Configuration |      | 12 - V TYPE                  |                  |                  |  |
| Displacement                   |      | lt                           | 49,03            |                  |  |
| Bore / Stroke                  |      | mm                           | 170 / 180        |                  |  |
| Compression Ratio              |      | 13,5:1                       |                  |                  |  |
| Aspiration                     |      | Turbocharged and Aftercooled |                  |                  |  |
| Governor Type                  |      | ELECTRONIC                   |                  |                  |  |
| Cooling System                 |      | WATER                        |                  |                  |  |
| Coolant Capacity               |      | lt                           | 300              |                  |  |
| Lubrication Oil Capacity       |      | lt                           | 180              |                  |  |
| Electrical System              |      | VDC                          | 24               |                  |  |
| Speed / Frequency              |      |                              | 1500 rpm / 50 Hz | 1800 rpm / 60 Hz |  |
| Engine Gross Power             |      | kWm                          | 1315             | 1470             |  |
| Fuel Consumption               | lt/h | 110 %                        | 321              | 366              |  |
|                                |      | 100 %                        | 288              | 329              |  |
|                                |      | 75 %                         | 218              | 250              |  |
|                                |      | 50 %                         | 155              | 175              |  |
| Exhaust Outlet Temperature     |      | °C                           | 520              | TBD              |  |
| Exhaust Gas Flow               |      | m³/min                       | 279              | 320              |  |
| Combustion Air Flow            |      | m³/min                       | 105              | 121              |  |
| Cooling Air Flow               |      | m³/min                       | 1800             | 1800             |  |

### Standby Power

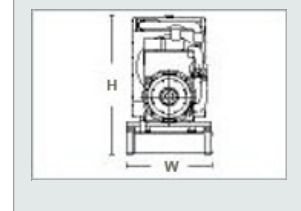
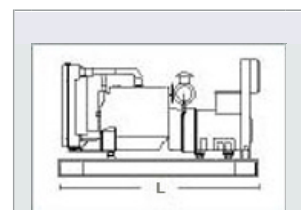
Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under 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 6078 x 3750 | 15060       | 1470           | TBA         |
| Open Skid | 2000 x 4500 x 2390 | 10073       | 1470           | 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

TTD1540MS0508-EN

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