

| Power Output Ratings |     | 50 Hz / 400 V |     | 60 Hz / 440 V |  |
|----------------------|-----|---------------|-----|---------------|--|
| Standby Power (ESP)  | kVA | 429           | 495 |               |  |
|                      | kW  | 343           | 396 |               |  |
| Prime Power (PRP)    | kVA | 388           | 447 |               |  |
|                      | kW  | 310           | 357 |               |  |

| Engine                         |                    |  |                  |
|--------------------------------|--------------------|--|------------------|
| Manufacturer                   |                    | DOOSAN                                     |                  |
| Origin                         |                    | KOREA                                      |                  |
| Model                          |                    | GV222TIR                                   |                  |
| No of Cylinder / Configuration |                    | 12 - V TYPE                                |                  |
| Displacement                   |                    | lt   | 21,927           |
| Bore / Stroke                  |                    | mm   | 128 / 142        |
| Compression Ratio              |                    | 10,5:1                                     |                  |
| Aspiration                     |                    | Turbocharged and Intercooled(Water to Air) |                  |
| Governor Type                  |                    | ELECTRONIC                                 |                  |
| Cooling System                 |                    | WATER                                      |                  |
| Coolant Capacity               |                    | lt   | 270              |
| Lubrication Oil Capacity       |                    | lt   | 40               |
| Electrical System              |                    | VDC  | 24               |
| Speed / Frequency              |                    | 1500 rpm / 50 Hz                           | 1800 rpm / 60 Hz |
| Engine Gross Power             |                    | kWm  | 385              |
| Fuel Consumption               | Nm <sup>3</sup> /h | 110 %                                      | 105,6            |
|                                |                    | 100 %                                      | 95,2             |
|                                |                    | 75 %                                       | 73,4             |
|                                |                    | 50 %                                       | 49,2             |
| Exhaust Outlet Temperature     |                    | °C   | 490              |
| Exhaust Gas Flow               |                    | m <sup>3</sup> /min                        | 47,8             |
| Combustion Air Flow            |                    | m <sup>3</sup> /min                        | 29,6             |
| Cooling Air Flow               |                    | m <sup>3</sup> /min                        | 670              |

| Alternator                         |  |  |           |
|------------------------------------|--|--|-----------|
| Manufacturer                       |  | MARELLI                                      |           |
| Origin                             |  | ITALY  |           |
| Model                              |  | MJB315MA4                                    |           |
| Power Factor                       |  | 0,8  |           |
| No of Bearing                      |  | SINGLE                                       |           |
| No of Poles                        |  | 4  |           |
| No of Leads                        |  | 12   |           |
| 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        |
| Voltage Output                     |  | VAC  | 230 / 400 |
| Rated Power (Standby)              |  | kVA  | 450       |
| Efficiency                         |  | %  | 93,7      |

|           | W x L x H (mm)     | Weight (kg) | Fuel Tank (lt) | Noise (dBA) |
|-----------|--------------------|-------------|----------------|-------------|
| Canopied  | 1750 x 5000 x 2500 | 3960        | N/A            | TBA         |
| Open Skid | 1750 x 4000 x 2000 | 3100        | N/A            | TBA         |

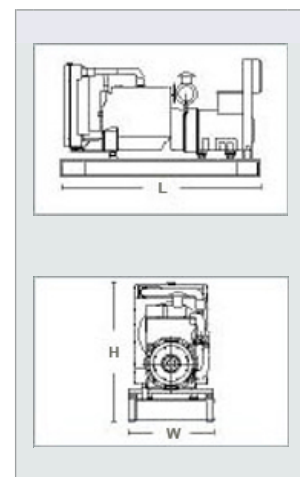


### Standby Power

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.



- 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

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