

| Power Output Ratings | | 50 Hz / 400 V | | 60 Hz / 440 V | |
|----------------------|-----|---------------|----|---------------|--|
| Standby Power (ESP) | kVA | 94 | 97 | | |
| | kW | 75 | 77 | | |
| Prime Power (PRP) | kVA | 85 | 88 | | |
| | kW | 68 | 70 | | |



| Engine | | | | | |
|--------------------------------|-------|----------------|------------------|------------------|--|
| Manufacturer | | VOLVO | | | |
| Origin | | SWEDEN | | | |
| Model | | TD520GE | | | |
| No of Cylinder / Configuration | | 4 - INLINE | | | |
| Displacement | | lt | 4,76 | | |
| Bore / Stroke | | mm | 108 / 130 | | |
| Compression Ratio | | 17,5:1 | | | |
| Aspiration | | Turbocharged | | | |
| Governor Type | | HEINZMANN EDC4 | | | |
| Cooling System | | WATER | | | |
| Coolant Capacity | | lt | 12,2 | | |
| Lubrication Oil Capacity | | lt | 11 | | |
| Electrical System | | VDC | 12 | | |
| Speed / Frequency | | | 1500 rpm / 50 Hz | 1800 rpm / 60 Hz | |
| Engine Gross Power | | kWm | 85 | 89 | |
| Fuel Consumption | g/kWh | 110 % | 213 | 215 | |
| | | 100 % | 208 | 217 | |
| | | 75 % | 213 | 223 | |
| | | 50 % | 243 | 268 | |
| Exhaust Outlet Temperature | | °C | 610 | 530 | |
| Exhaust Gas Flow | | m³/min | 15,4 | 17,5 | |
| Combustion Air Flow | | m³/min | 4,8 | 5,8 | |
| Cooling Air Flow | | m³/min | 60 | 66 | |



Standby Power

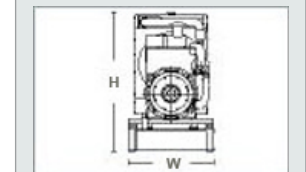
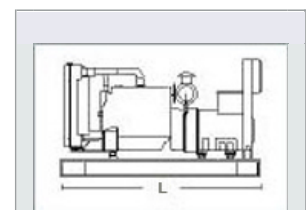
Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under 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 | | MJB225SA4 | | | |
| No of Phase | | 3 | | | |
| 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 | 60 | |
| Voltage Output | | VAC | 230 / 400 | 254 / 440 | |
| Rated Power (Standby) | | kVA | 94 | 112 | |
| Efficiency | | % | 91 | 91 | |

| | W x L x H (mm) | Weight (kg) | Fuel Tank (lt) | Noise (dBA) |
|-----------|--------------------|-------------|----------------|-------------|
| Canopied | 1037 x 3265 x 1700 | 1672 | 168 | TBA |
| Open Skid | 750 x 2400 x 1470 | 1204 | 144 | 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 TTD100VV0508-EN

