

# TM3200HB1-I

## 50 Hz Portable Generator Sets



### Output Power

|                     |     |     |
|---------------------|-----|-----|
| Standby Power (ESP) | kVA | 3.2 |
|                     | kW  | 2.5 |
| Prime Power (PRP)   | kVA | 3   |
|                     | kW  | 2.4 |

### Size

W x L x H  
(mm)

Weight  
(kg)

Fuel Tank  
(lt)

Noise dB(A)  
@ 1m

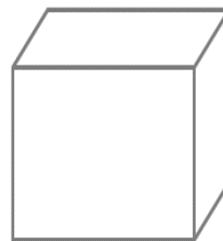
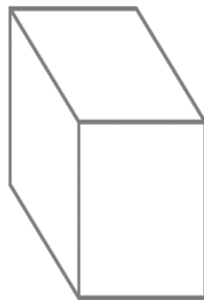
Canopied  
Open Skid

610x420x510

42

9

95



### 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 max 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 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.

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### Engine

|                                    |      |                     |
|------------------------------------|------|---------------------|
| Manufacturer                       |      | HONDA               |
| Model                              |      | GX 200              |
| No of Cylinders                    |      | 1                   |
| Cylinder Configuration             |      | N/A                 |
| Displacement                       | lt   | 0,196               |
| Stroke                             | mm   | 54                  |
| Bore                               | mm   | 68                  |
| Compression Ratio                  |      | 8,5:1               |
| Aspiration                         |      | NATURALLY ASPIRATED |
| Governor Type                      |      | N/A                 |
| Cooling System                     |      | AIR COOLING         |
| Coolant Capacity                   | lt   | N/A                 |
| Lubrication Oil Capacity           | lt   | 0,6                 |
| Speed / Frequency 50 Hz            | rpm  | 3000                |
| Engine Gross Power (Standby 50 Hz) | kW   | 4,1@3600 RPM        |
| Fuel Consumption %100 PRP 50 Hz    | lt/h | 1,63                |

### Alternator

|                                   |     |                                |
|-----------------------------------|-----|--------------------------------|
| Manufacturer                      |     | NSM                            |
| Model                             |     | K80D                           |
| No of Phases                      |     | 1                              |
| No of Bearings                    |     | SINGLE                         |
| No of Poles                       |     | 2                              |
| Voltage Regulation (Steady State) |     | + 5%, - 10% ( $\cos\phi = 1$ ) |
| Insulation Class                  |     | H                              |
| Degree of Protection              |     | IP23                           |
| Excitation System                 |     | BRUSHLESS WITH CAPACITOR       |
| Total Harmonic Content (No Load)  |     | $\leq 6\%$                     |
| Frequency                         | Hz  | 50                             |
| Voltage Output 50 Hz              | VAC | 230                            |

### Standard Equipments

#### Engine

In Teksan generator sets, state-of-art engine brands with lower fuel consumption rates that comply with international standards are being used. Oil warning system is being applied both for gasoline generator sets with one and two cylindered four-cycle engines, and in one cylindered diesel options having direct injection.

#### Alternator

In Teksan products, leading alternator brands, which passed all quality tests and found appropriate according to international standarts, are being used. All state-of-art alternators, which are preffered because of their high quality, durability, and efficiency, have bearing system that does not need maintenance.

#### Chassis and Fuel Tank

Chassis, which is manufactured from steel that has features and durability for carrying burden of generator set, has a compact design to deliver advantage in transportation and placement.

#### Cooling System

Air cooling system, which is being used in gasoline and diesel models, keeps the temprature of the components constant at a proper level.



### Optional Equipment

#### Special Designed Canopies

Teksan Mini Super silent canopies, which can be produced upon customer requests, have a special inner design allowing a homogeneous air flow to deliver higher performance. Thanks to their practical lids and dismounted parts, it is easy to perform maintenance and repair works. On the surface of all the canopies, special static powder coating is applied to deliver maximum protection against corrosion and oxidation.

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### Control Panel Features

Control panels that are being used in Teksan Mini portable generator sets provides practical and safe usage. Control panels of Teksan Mini allow monitoring of some specific parameters, working modes, warnings along with products' conditions.

- Technical information and values are according to ISO8528, ISO3046, NEMA MG-1.22, IEC 600341, 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 Asked TBD: To Be Determined NA: Not Available N/A: Not Applicable TDDTM3200HB1-I20190520EN