



## 2000 KW / 2500 KVA POWERED by



MODEL		TP-M2000-T2-60	
<p>Triton Power is a world leader in the design, manufacture of stationary, mobile and rental generator sets and Power Modules from 10 to 2000 kW. Through our commitment to quality we manufacture with only the highest quality components from companies like Cummins, John Deere, Perkins, Marathon, and Deep Sea. All of this plus our worldwide warranty, customer service professionals, is why Triton is the</p> <p><b>THE POWER OF QUALITY</b></p>			
Available Voltage	Standby	kVA	2500
3 Phase		kW	2000
120/208, 110/220, 120/240, 277/480	Prime	kVA	2238
Power Factor 0.8		kW	1790

**Standby** : Continuous running at variable load for duration of an emergency. No overload is permitted on these ratings. In accordance with ISO 3046 .

**Prime** : Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period. In accordance with ISO 8528, ISO 3046.

- High quality, reliable and complete power unit
- Compact design
- Easy start and maintenance
- Every generator set is subject to a comprehensive test program which includes full load testing and checking and providing of all control and safety shut down functions testing
- Full engineered with a wide range of options and accessories:
  - Sound Attenuated Enclosure
  - Trailer with fuel tank
  - UL Listed Fuel Tank
  - Permanent Magnet Generator
  - Electronic Governor



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## ENGINE INFORMATION

<b>ENGINE MAKE</b>		<b>mitsubishi</b>
<b>Model</b>		<b>S16R-Y2PTAW2-1</b>
<b>Tier Rating</b>		<b>Tier 2</b>
<b>Engine Speed</b>	<b>RPM</b>	<b>1800</b>
<b>Engine Power Output at rated rpm</b>	<b>kWm</b>	<b>2180</b>
	<b>HP</b>	<b>2923</b>
<b>Cooling</b>		<b>Radiator Cooled</b>
<b>Aspiration</b>		<b>Turbocharged Inter-Cooler</b>
<b>Total Displacement</b>	<b>Liter</b>	<b>65.37</b>
<b>No. of Cylinders and Build</b>		<b>16 - 60°V</b>
<b>Bore and Stroke</b>	<b>mm x mm</b>	<b>170 x 180</b>
<b>Compression Ratio</b>		<b>2:00:01</b>
<b>Governor</b>		<b>Electronic</b>
<b>Fuel Consumption (L/hr)</b>	<b>Full Load</b>	<b>536</b>
	<b>75% Load</b>	<b>403</b>
	<b>50% Load</b>	<b>271</b>
<b>Fuel Tank Capacity</b>	<b>Liter</b>	<b>Inquire</b>
<b>Oil Capacity</b>	<b>Liter</b>	<b>230</b>
<b>Coolant Capacity</b>	<b>Liter</b>	<b>140</b>
<b>Radiator Cooling Air</b>	<b>m<sup>3</sup>/min</b>	<b>2436</b>

The Mitsubishi engine is a powerful, reliable and economical diesel engine built on the dependable in-line six design.

### **Durability & low noise**

Designed for easiest, fastest and most economical installation. Well-balanced to produce smooth and vibration-free operation with low noise level.

### **Easy service & maintenance**

Easily accessible service and maintenance points contribute to the ease of service of the engine.

- Rapid product availability
- Proven reliability and low life-cycle costs
- High efficiency and operational flexibility
- High quality electrical performance
- Well-established service and fuel supply infrastructure
- Optional factory-integrated exhaust after treatments reduce emissions for high-hour use in environmentally sensitive locations.



## CONTROLLER INFORMATION DGC2020

The DGC-2020 is an advanced genset control system with extensive functionality and flexibility. It's a total system solution for your emergency, stand-alone, and paralleled generator set applications. Comprehensive control, metering, and protection capabilities maximize flexibility and make it the optimal choice for a broad range of applications. The environmentally-rugged, potted design has a proven track record of reliable, worry-free operation.

### MAIN FEATURES:



- \* Microprocessor-based controller integrates a function-packed, easy-to-use feature set with a fully-configurable programmable logic controller to reduce installation costs by eliminating peripheral components and maximizing user flexibility to easily meet specific requirements.
- \* Extremely rugged, potted design and industry-leading temperature, vibration, and shock specifications make the DGC-2020 optimal for harsh genset applications. The Offline Simulator, provided in BESTlogic™ Plus, helps identify and troubleshoot the logic without the expensive need for physical hardware.
- \* NFPA-110 compliance with the RDP-110 (Remote Display Panel) simplifies emergency standby applications.
- \* Low-line, single-phase, alternate-frequency override functions make it ideal for rental and reconfigurable genset applications. The DGC-2020 lowers user cost by automatically adjusting to typical rental and reconfigurable setups without additional costly switches or operator intervention, including genset protection level adjustment. Integrated mains fail detection provides the user a cost effective alternative when selecting transfer switches.
- \* Flexible programmable logic and programmable I/O make it easy to expand the DGC-2020's inputs and outputs with the CEM-2020 (Contact Expansion Module) and the AEM-2020 (Analog Expansion Module). You will save time and money by eliminating unnecessary external PLCs and control relaying.
- \* Easy integration of the LSM-2020 (Load Share Module) to the DGC-2020 quickly adds additional functionality to the system for intuitive load sharing, demand control, genset sequencing, and Ethernet capabilities for a seamless paralleled system.
- \* Intuitive BESTCOMSPPlus® software simplifies setup with easy settings entry and simple drag-and-drop programmable logic, reducing the cost and commissioning time.



## ALTERNATOR INFORMATION

Manufacturer	Marathon
Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation System	Class H
Standard Temperature Rise	125 -163°C Continuous
Exciter Type	Self Excited
Phase Rotation	A (U), B (V), C (W)
Alternator Cooling	Direct drive centrifugal blower fan
AC Waveform Total Harmonic Distortion	No load < 1.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	<50 per NEMA MG1-22.43
Telephone Harmonic Factor (THF)	<2%

## STANDARD ITEMS

- Mainline Non-U.L. Circuit Breaker
- Generator Set mounted on Heavy Duty Steel Base Frame
- Anti-Vibration Pads between Engine/Alternator and Frame
- 8 to 10 Hour Base Fuel Tank (up to 600 kW)
- Forklift Pockets within Base Frame (up to 400 kW)
- Battery Charging Alternator

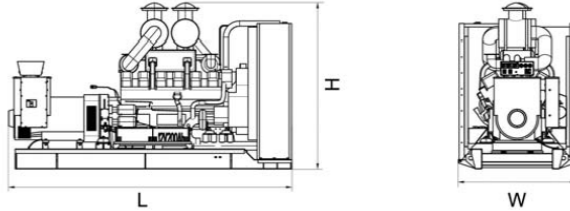
## OPTIONAL ITEMS

ENGINE OPTIONS	<ul style="list-style-type: none"> <li>• Engine Block Heater</li> <li>• Racor Fuel Water Separator</li> <li>• Oil Heater</li> </ul>
ALTERNATOR OPTIONS	<ul style="list-style-type: none"> <li>• Permanent Magnet Generator</li> <li>• Anti-Condensation Heater</li> <li>• Oversized Alternator (Motor Starting)</li> </ul>
OTHER OPTIONS	<ul style="list-style-type: none"> <li>• Sound Attenuated Enclosure with Critical Silencer (70 db at 7 meters)</li> <li>• Trailer (with or without fuel tank)</li> <li>• UL-142 Base Mounted Fuel Tank</li> <li>• Residential or Critical Grade Silencer</li> </ul>

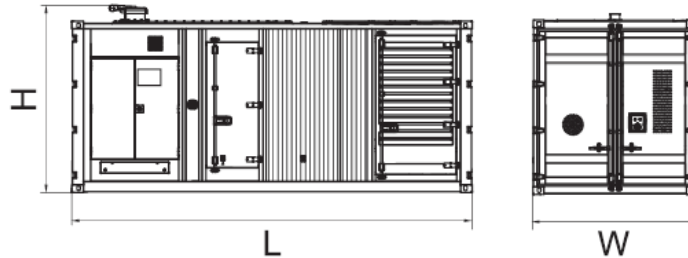
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# WEIGHT AND DIMENSIONS



SKID MOUNTED GENERATOR		
DIMENSIONS (LxWxH)	inches	245 x 99 x 118
DRY WEIGHT	lb	36,300



SOUND ATTENUATED GENERATOR		
DIMENSIONS (LxWxH)	mm	372 x 147 x 149
DRY WEIGHT	lb	Inquire

**FEATURES AND BENEFITS OF ENCLOSURE:**

- All enclosure parts are modular
- No welding to reduce corrosion
- Doors on both sides for easy maintenance
- All metal parts are powder coated
- Critical Exhaust Silencer Included
- Thermally insulated exhaust system
- Emergency stop located on exterior
- Easy Lifting and Moving



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