



**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 style="text-align: center;">THE POWER OF QUALITY</p>			
Available Voltage 3 Phase 120/208, 110/220, 120/240, 277/480 Power Factor 0.8	Standby	kVA	2500
		kW	2000
	Prime	kVA	2250
		kW	1800

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

ENGINE MAKE		mitsubishi
Model		S16R-Y2PTAW2
Tier Rating		Tier 2
Engine Speed	RPM	1800
Engine Power Output at rated rpm	kWm	2180
	HP	2923
Cooling		Radiator Cooled
Aspiration		Turbocharged Inter-Cooler
Total Displacement	Liter	65.37
No. of Cylinders and Build		16 - 60°V
Bore and Stroke	mm x mm	170 x 180
Compression Ratio		14:1
Governor		Electronic
Fuel Consumption (L/hr)	Full Load	534
	75% Load	402
	50% Load	270
Fuel Tank Capacity	Liter	Inquire
Oil Capacity	Liter	230
Coolant Capacity	Liter	170
Radiator Cooling Air	m³/min	2112

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 DEEP SEA MODEL 7320

The DSE7320 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications. A sophisticated module monitoring an extensive number of engine parameters, the DSE73xx will annunciate warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LED, remote PC, audible alarm and via SMS text alerts. The module includes RS232, RS485 & Ethernet ports as well as dedicated terminals for system expansion.

MAIN FEATURES:



NEW FEATURES

- Neutral position on breakers
- Mains current protection
- Improved mains detection 3phase 3 wire
- Additional programmable logic
- Improved modem diagnostics
- Remote control sources (10) can be accessed via SCADA
- Additional electrical trip options
- Additional start delay functions
- Oil pressure values from additional engines
- Front panel editing of scheduler
- Now displays kW as % of rated kW setting

STANDARD FEATURES

- Backed up real time clock
- True dual mutual standby with load balancing timer
- Ethernet communications
- Multiple date and time maintenance scheduler
- 132 x 64 pixel LCD display
- Configurable display languages
- Programmable event logging (250), showing reason, date and time
- Robust module enclosure
- Five key menu navigation
- Durable soft touch membrane buttons
- Fully configurable via PC software

- LED and LCD alarm indication
- Engine exercise mode
- Configurable start & fuel outputs
- kWh monitoring
- Automatic load transfer
- (11) Configurable inputs
- (8) Configurable outputs
- Configurable timers and alarms
- Modbus RTU / TCP
- Magnetic pick-up
- Selected front panel programming
- Multiple date and time exercise scheduler
- Configurable display pages
- Programmable load shedding/acceptance
- Mutual standby
- Preventative maintenance
- kW overload protection
- 3 alternative configurations
- Unbalanced load protection
- SMS messaging (external modem required)
- Power save mode
- Security levels - PC software has password system to control access to PC software features
- Configuration file downloads from an external memory device
- RS232 & RS485 communications
- DSENet® compatible

BENEFITS

- 132 x 64 pixel ratio makes information easy to read
- Real time clock provides accurate event logging
- PC software is license free
- Set maintenance periods can be configured to maintain optimum engine performance
- Ethernet communications provides advanced remote monitoring at low cost
- Modules can be integrated into building management systems
- Preventative maintenance avoids expensive engine down time
- Advanced PCB layout ensures high reliability

OPERATION

The module is operated using the front STOP/RESET, MANUAL, AUTO, TEST and START pushbuttons. An additional pushbutton next to the LCD display is used to scroll through the modules metering displays.



ALTERNATOR INFORMATION

Manufacturer	Stamford
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

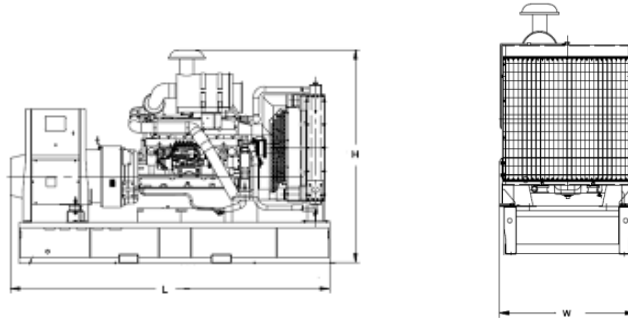
OPTIONAL ITEMS

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

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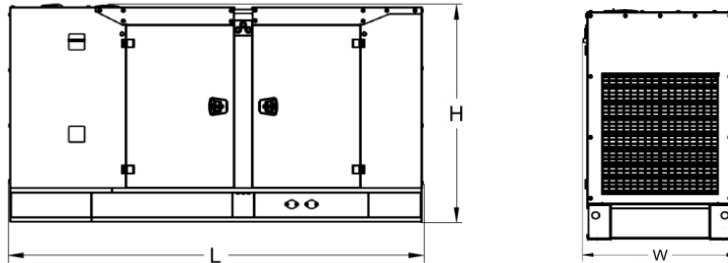


WEIGHT AND DIMENSIONS



SKID MOUNTED GENERATOR

DIMENSIONS (LxWxH)	inches	250 x 87 x 119
DRY WEIGHT	lb	34100



SOUND ATTENUATED GENERATOR

DIMENSIONS (LxWxH)	mm	40' ISO Container
DRY WEIGHT	lb	Inquire

FEATURES AND BENEFITS OF ENCLOSURE:

- | | |
|--|---|
| <ul style="list-style-type: none"> • All enclosure parts are modular • No welding to reduce corrosion • Doors on both sides for easy maintenance • All metal parts are powder coated | <ul style="list-style-type: none"> • Critical Exhaust Silencer Included • Thermally insulated exhaust system • Emergency stop located on exterior • Easy Lifting and Moving |
|--|---|



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