



MOBILE RENTAL GENERATOR

190 KVA / 150 KW

POWERED by



JOHN DEERE

MODEL		TPM-J190	
<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>THE POWER OF QUALITY</p>			
<p>Select from 2, 3 and 4 position voltage switches</p>	<p>Standby</p>	kVA	190
		kW	150
	<p>Prime</p>	kVA	176
		kW	139

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



Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.
All photos are representative and may not reflect exact model



ENGINE INFORMATION

ENGINE MAKE		JOHN DEERE
Model		6068HF285
Engine Speed	RPM	1800
Tier Rating		Tier 3
Engine Power Output at rated rpm	kWm	177
	HP	237
Cooling		Radiator Cooled
Aspiration		Turbocharged and After Cooled
Total Displacement	Liter	4.5
No. of Cylinders and Build		4-inline
Bore and Stroke	mm x mm	106 X 127
Compression Ratio		19.0:1
Governor		Electronic
Fuel Consumption (L/hr)	Full Load	41
	75% Load	32
	50% Load	23
Fuel Tank Capacity (Non-UL)	Liter	215
Oil Capacity	Liter	12
Coolant Capacity	Liter	42
Radiator Cooling Air	m³/sec	7

<p>For standby or prime power generation, John Deere has the reliability and durability power managers count on for critical applications.</p> <p>Find out why thousands of facilities depend on generator sets powered by John Deere engines. They are quick starting, clean running, fuel efficient and globally supported. This gives customers worry free service in times when power is most needed. They also offer more kW per cylinder to provide installation flexibility. With a record like that, it's easy to see why so many generator set manufacturers keep the lights on with John Deere.</p>	<p>Cost Effective Power</p> <ul style="list-style-type: none"> Compact size and low noise. Lower fuel consumption and oil use. 500 hour service intervals. 2 year warranty. <p>Product Support</p> <ul style="list-style-type: none"> Total worldwide service is provided through a network of 4,000 distributors and dealers.
---	---



CONTROLLER INFORMATION DEEP SEA MODEL 7310

The DSE5210 is an Automatic Start Generator Controller designed to automatically start and stop diesel and gas generating sets that include non electronic engines. The module also provides excellent engine monitoring and protection features. The Generator Control module has the ability to monitor under speed, over speed, charge failure, emergency stop, low oil pressure, high engine temperature, fail to start, fail to stop, under/over generator volts, over current, under/over generator frequency, low/high DC battery volts, low fuel alarm and loss of the speed sensing signal. The Generator Control module displays fault conditions on the LCD display and via the LED indicators on the front of the panel.

The Generator Control module includes RS232 or RS485 communications capabilities for linking to a PC, sending SMS messages and interfacing with new and existing building management systems.

MAIN FEATURES:	<ul style="list-style-type: none"> • Automatic start • Configurable inputs • Configurable outputs • Configurable alarms & timers • Digital inputs • Analogue inputs • Back-lit character LCD display • Engine protection • Front panel mounting • PC configurable • Front panel programming 	<ul style="list-style-type: none"> • Remote monitoring • RS232 or RS485 remote communications • Modbus RTU • Engine history event log • LED alarm indication • LCD alarm indication • SMS messaging • Hid till lit alarm icons • Engine exercise mode • Magnetic pick-up
BENEFITS	<ul style="list-style-type: none"> • In-built engine diagnostics removes the requirement for service equipment • Full integration into new and existing building management systems • License free PC software • Module helps to improve the life cycle of engine starter motors • On-site module configuration to match user requirements • Remote module configuration using PC software • Module sends SMS messages to notify specific engine problems (GSM Modem and SIM Card required) • User-friendly set-up and button layout 	
OPERATION	<p>The module is operated using the front STOP, AUTO and MANUAL pushbuttons. The DSE5210 also includes a TEST button. An additional pushbutton allows the user to scroll through the LCD display to view the instrumentations and event log.</p>	



MULTI – POSITION SWITCHES

Our switches have been designed and sold cam switches for over 50 years. Their voltage selector switches stand above the competition because of their rugged industrial grade designs. This results in high making and breaking capacities and a long operating life. These switches are available in a large range of switching capacities.

2 POSITION SWITCH

SYSTEM OUTPUT:

- Three Phase 120/208V Low Wye
- Three Phase 277/480 V High Wye

The 2 position switch is unique and easy to operate.

FEATURES:

- High Short Circuit Breaking Capacity
- Mechanical Interlock
- Over Current Protection Device

3 POSITION SWITCH

SYSTEM OUTPUT:

- Single Phase 120/240V ZigZag
- Three Phase 120/208V Low Wye
- Three Phase 277/480V High Wye

All models come standard with a lockable design, that can be locked in any position to prevent costly damage to equipment. These switches integrate high quality insulation material with silver alloy contacts. This results in high making and breaking capacities and a long operating life.

FEATURES:

- High resistance to mechanical stress
- High Short Circuit Breaking Capacity
- Double Break Silver Alloy Contacts
- Conforms to UL508, CSA-C22.2

4 POSITION SWITCH

SYSTEM OUTPUT:

- Single Phase 120/240V ZigZag
- Three Phase 120/208V Low Wye
- Three Phase 120/240 Delta
- Three Phase 277/480V High Wye



ALTERNATOR INFORMATION

Manufacturer	Stamford Newage
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 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

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.
 All photos are representative and may not reflect exact model



WEIGHT AND DIMENSIONS



SOUND ATTENUATED GENERATOR

DIMENSIONS (LxWxH)	mm	3250 x 1160 x 1900
DRY WEIGHT	kg	2120
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• Critical Exhaust Silencer Included• Thermally insulated exhaust system• Emergency stop located on exterior• Easy Lifting and Moving		

