

100 KW / 125 KVA POWERED by



JOHN DEERE

MODEL

TP-JD100-T3-60

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



THE POWER OF QUALITY

Available Voltage 3 Phase 120/208, 110/220, 120/240, 277/480 Power Factor 0.8	Standby	kVA	125
		kW	100
	Prime	kVA	110
		kW	88

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





ENGINE INFORMATION		
ENGINE MAKE		JOHN DEERE
Model		4045HF285
Engine Speed	RPM	1800
Tier Rating		Tier 3
Engine Power Output at rated rpm	kWm	118
	HP	158
Cooling		Radiator Cooled
Aspiration		Turbocharged
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	23
	75% Load	18
	50% Load	14
Fuel Tank Capacity (Non-UL)	Liter	215
Oil Capacity	Liter	12
Coolant Capacity	Liter	30
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.
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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



CONTROLLER INFORMATION DEEP SEA MODEL 6020

The DSE6020 is an Auto Mains Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications.

Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level, the module will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LED.

MAIN FEATURES:	<ul style="list-style-type: none"> • Back-lit icon LCD display • Front panel editing • LED and LCD alarm indication • Power Save mode • CAN and Magnetic Pick-up/Alt. versions available • PC and front panel configuration • 4 Digital inputs • 3 Analogue inputs • 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version) 	<ul style="list-style-type: none"> • Configurable timers and alarms • Alternative configuration • Event Log (5) • Remote Start input • 3 Phase generator monitoring • Current Monitoring and protection • 3 Phase Mains (Utility) monitoring • Test button • Battery Voltage monitoring • Engine pre-heat • Hours counter • Comprehensive shutdown or warning on fault condition
BENEFITS	<ul style="list-style-type: none"> • Automatically transfers between mains (utility) and generator power • Hours counter provides accurate information for monitoring and maintenance periods • User-friendly set-up and button layout • Multiple engine parameters are monitored simultaneously • Module can be configured to suit individual applications • Compatible with a wide range of CAN engines • Uses DSE Configuration Suite PC software for simplified configuration • IP65 rating (with optional gasket) offers increased resistance to water ingress • License-free PC software 	
OPERATION	<p>The module is operated using the front STOP, AUTO and MANUAL pushbuttons. The DSE6020 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>	

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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

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WEIGHT AND DIMENSIONS



SKID MOUNTED GENERATOR

DIMENSIONS (LxWxH)	mm	2150 x 1060 x 1550
DRY WEIGHT	kg	1265



SOUND ATTENUATED GENERATOR

DIMENSIONS (LxWxH)	mm	3110 x 1060 x 1750
DRY WEIGHT	kg	1725

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

Distribuido por:



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