



GTJ-0090-P3D-MB For Vermeer R250C

Prime: kW 90
kVA 125

Gen-Tech power generation equipment has ratings and styles to accommodate all industry requirements. Standby ratings are available for customers with emergency power needs. These needs may include complete utility power failure or instability in power quality, which creates brown out conditions. Prime power ratings are available for customers where utility power is unavailable. This rating is designed for continuous duty, excluding scheduled maintenance requirements.

Gen-Tech's commitment to quality assures customers that all equipment is held to the highest standard. This standard is incorporated in engineering and overall product development. Gen-Tech's values ensure durability, ease of operation, and low maintenance. Most importantly, the Gen-Tech line of products is dependable for long term operation, because we care.

- Heavy duty industrial diesel engine
- Brushless synchronous alternators
- Full featured, programmable, microprocessor based controller
- Factory tested at 100% load requirements
- Full warranty in compliance with all industry standards
- Heavy duty construction with non corrosive components
- 24 Hour customer support
- Full range of accessories and factory installed options available

Standby Ratings

Model	Voltage	Alternator Model	Phase	Hertz	kW/kVA	Amperage	Temp Rise	Weight (lbs)
NA	NA	NA	NA	NA	NA	NA	NA	NA

Prime Ratings

Model	Voltage	Alternator Model	Phase	Hertz	kW/kVA	Amperage	Temp Rise	Weight (lbs)
GTJ-0090-P3D-MB	277/480	362CSL1606	3	60	90/125	311	105 °	3,800 Appx

Engine Specifications

Manufacturer	John Deere
Engine Model	4045HFG06
Engine Type	4-Cycle, In-line, 4 Cylinder Diesel
Induction Type	Turbocharged and Charge Air Cooled
Displacement - CID (L)	4.41 L
EPA Emissions Level	Tier 4 Final
HP at Rated Speed (Prime)	157
Rated RPM	1800
Bore x Stroke - Inches	4.2 x 5.0
Compression Ratio	17.2:1
Air Filter Type	Dry
Governor Type	Electronic
Freq Reg NL to FL	+/- 5%

Engine Lubrication System

Oil Filter Type	Spin On
Oil PSI @ Governed Speed	48

Engine Cooling System

Max Top Tank Temp	235 °F
Thermostat Range	185 - 207 °F

Engine Exhaust System

Exhaust Flow at Rated Speed	660 CFM
Exhaust Temp - Standby	923 °F
Max Backpressure	17.3 kPa

Engine Electrical System

System Volts - DC	12
Grounding Polarity	Negative
Minimum CCA	700

Ventilation Requirements

Engine Intake Max Air Flow	290 CFM
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Fuel System

Recommended Fuel	#2 Diesel
Injection Type	Direct
Max Flow to Pump	108 Lb/Hr

Standby Fuel Consumption

100% Load	NA
50% Load	NA

Prime Fuel Consumption

100% Load	7.8 GPH
50% Load	4.4 GPH

Alternator Specifications

Manufacturer	Marathon Electric
Type	4 Pole Brushless
Insulation	Class H
Bearing	Double Shielded Per- manently Lubricated

Automatic Voltage Regulator

Standard Model	SE350
Std Voltage Regulation	1%
PMG Option	PM500

Standard Controller Specifications

- LCD Display
- Real Time Clock Provides Accurate Event Logs
- Configurable Display Languages
- Password Protected
- Engine Protection Features
- Key Menu Navigation
- Durable Soft Touch Membrane Buttons
- Fully configurable via PC Software
- LCD Alarm Indication
- Engine Exercise Mode
- kWh Monitoring
- Configurable Inputs and Outputs
- Configurable Timers and Alarms
- UL Recognized
- Front Panel Programming
- CAN Input

Base Tank Specifications

Capacity	130 Gallons
Construction	Single Wall
	Internally Baffled
Ports	1x Filler
	1x Vent
	1x Gauge
	1x Level Sender
	1x Additional 2"
	2x 1/2" Drain Ports
	2x Pickups w/ Dip Tubes

Enclosure

- Weather Resistant
- Sound Attenuated
- 16 Gauge Powder Coated Steel
- Stainless Hardware

Circuit Breaker

- 150 Amp 3 Pole Main Breaker
- Genset Mounted

Convenience Outlet/Transformer

- 2x GFCI 20A Receptacles
- 3 kva Transformer for clean 120VAC

Spare Parts Kit

Includes:

- Pre-Programmed Genset Controller
- BE350 Voltage Regulator
- Starter Solenoid
- 20A GFCI Breaker
- Fuses
- Blow Molded Case
- Stored On Genset

Additional Standard Genset Features

- Transformer and 1x 20A GFCI Receptacle
- Emergency Stop Switch
- Integral Vibration Isolation
- Unit Mounted Radiator
- Engine Mounted Fan
- Radiator Core and Fan Guards
- Starting Battery
- Oil Drain Valve
- Battery Charging Alternator
- Battery Rack and Cables
- Unit Mounted Control Panel
- Spin-On Filters for Oil and Fuel
- 2 Stage Air Cleaner
- One Set - Operation/Maintenance Manual
- Factory Tested Prior to Shipment

Available Accessories and Options

Alternator Accessories

- PMG Exciter and AVR Upgrade
- Alternator Space Heater
- Exciter Field Circuit Breaker
- Alternator Drip Shield

Genset Accessories

- Voltage Adjustment Potentiometer
- Battery Heater
- Engine Coolant Heater

Dimensions

Overall Dimensions	Length x Width x Height
Inches	100 x 48 x 79

Note: Drawing is provided for reference only. Use engineering outline for project planning.

