

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.

# GTJ-0090-P3D-MB

#### For Vermeer R250C

- 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 Electrical System

System Volts - DC 12

Grounding Polarity Negative

Minimum CCA 700

**Ventilation Requirements** 

Engine Intake Max Air Flow 290 CFM

**Fuel System** 

Recommended Fuel #2 Diesel

Injection Type Direct

Max Flow to Pump 108 Lb/Hr

**Engine Lubrication System** 

Oil Filter Type Spin On

Oil PSI @ Governed Speed 48

**Standby Fuel Consumption** 

**Prime Fuel Consumption** 

100% Load NA

50% Load NA

**Engine Cooling System** 

Max Top Tank Temp 235 °F

100

100% Load 7.8 GPH

50% Load 4.4 GPH

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

## **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

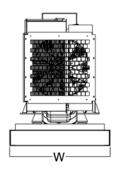
- Transformer and 1x 20A GFCI Receptacle
- Emergency Stop Switch
- Integral Vibration Isolation
- Unit Mounted Radiator
- Engine Mounted Fan
- Radiator Core and Fan Guards
- Starting Battery
- Oil Drain Valve
- Battery Charging Alternator
- Battery Rack and Cables
- Unit Mounted Control Panel
- Spin-On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

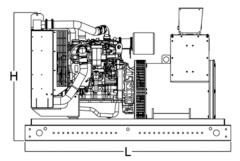
## **Dimensions**

Overall Dimensions Inches

Length x Width x Height 100 x 48 x 79

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





## **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