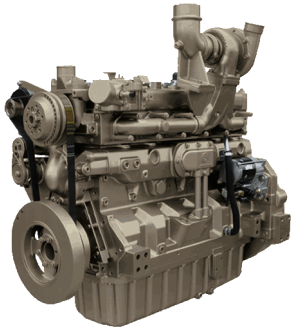


# PowerTech™ E

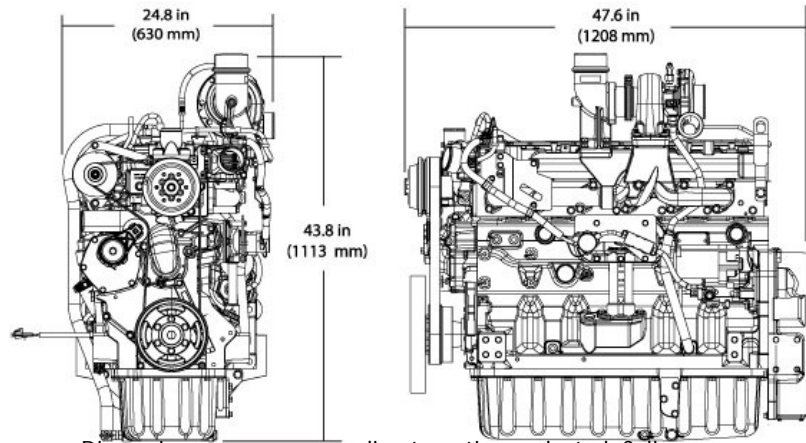
## 6090HF484 Diesel Engine

Generator Drive Engine Specifications



6090HF484 shown

### Engine dimensions



Dimensions may vary according to options selected. Call your distributor for more information.

### Certifications

CARB  
EPA Tier 3

### General data

Model	6090HF484	Length - mm (in) to rear of block	1208 (47.6)
Number of cylinders	6	Width - mm (in)	630 (24.8)
Displacement - L (cu in)	9 (549)	Height-- mm (in)	1113 (43.8)
Bore and Stroke-- mm (in)	118.4 x 136.0 (4.66 x 5.35)	Weight, dry-- kg (lb)	901 (1986)
Compression Ratio	16.0 : 1		
Engine Type	In-line, 4-Cycle		
Aspiration	Turbocharged and air-to-air aftercooled		

### Performance data range

Rated speed Hz(rpm)	Engine power				Generator efficiency %	Rated fan power		Power factor	Calculated generator set output			
	Prime		Standby			kW	hp		Prime		Standby	
	kW	hp	kW	hp					kWe*	kVA	kWe	kVA
60(1800)	206-284	276-381	229-315	307-422	90-94	13.74-25.3	18-34	0.8	176-253	220-316	194-278	242-348

Prime power is the nominal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO3046 and SAE J1995.

Standby power is the maximum engine power available at varying load factors for up to 200 hours per year when applied to conform with ISO 8528-1. This rating conforms to ISO 3046 and SAE J1995. Calculated generator set rating range for standby applications is based on minimum engine power (nominal -5 percent) to provide 100 percent meet-or-exceed performance for assembled standby generator sets.

\*Electrical power is calculated from the typical generator efficiency and fan power percentages shown. Applications may vary.

## Features and benefits

### Fixed Geometry Turbocharger

- Fixed geometry turbochargers are precisely matched to the power level and application

### 4-Valve Cylinder Head

- Provides excellent airflow resulting in better transient response
- U-flow design

### Air-to-Air Aftercooled

- Most efficient method of cooling intake air to help reduce engine emissions while improving transient response time
- Enables an engine to meet emissions with better fuel economy and the lowest installed costs

### High Pressure Common Rail Fuel System

- HPCR: Higher injection pressures, up to 1600 bar (23,500 PSI) variable injection pressure, variable timing control, multiple injections and controls the duration of injection

### Compact Size

- Mounting points for Tier 3/Stage III A engine models same as Tier 2/Stage 2 engine models

### Engine Performance

- New ratings

### John Deere Electronic Controls

- Electronic engine controls monitor critical engine functions, providing warning and/or shutdown to prevent costly repairs and eliminate the need for add-on governing components, all lowering total installed costs.

### Additional Features

- Single-piece low friction piston; directed top-liner cooling; gear-driven auxiliary drive; optional 500-hour oil change; self-adjusting poly-vee fan-drive; optional rear PTO; engine mounted ECU