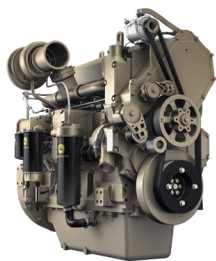


# PowerTech™

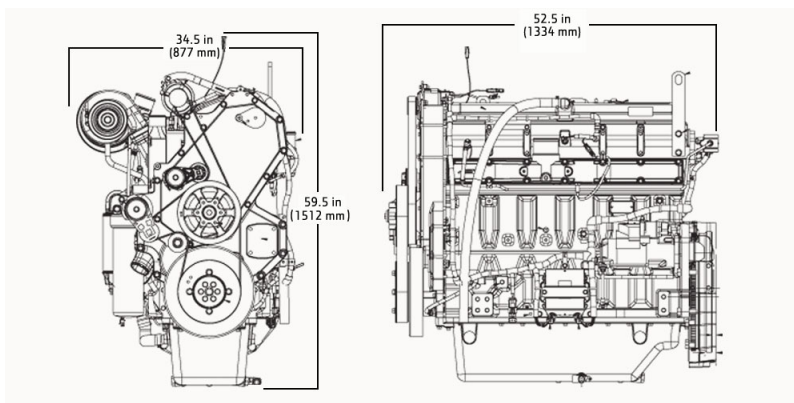
## 6135HF475 Diesel Engine

Generator Drive Engine Specifications



6135HF475 shown

### Dimensions



### Certifications

EU Stage II

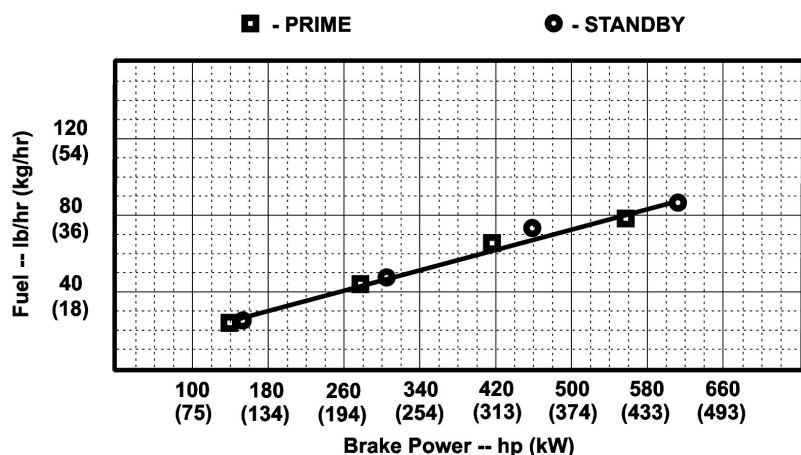
### General data

|                           |   |                                   |             |
|---------------------------|---|-----------------------------------|-------------|
| Model                     | 6135HF475                               | Length - mm (in) to rear of block | 1334 (52.5) |
| Number of cylinders       | 6                                       | Width - mm (in)                   | 877 (34.5)  |
| Displacement - L (cu in)  | 13.5 (824)                              | Height-- mm (in)                  | 1512 (59.5) |
| Bore and Stroke-- mm (in) | 132 x 165 (5.20 x 6.50)                 | Weight, dry-- kg (lb)             | 1493 (3291) |
| Compression Ratio         | 16.0:1                                  |                                   |             |
| Engine Type               | In-line, 4-Cycle                        |                                   |             |
| Aspiration                | Turbocharged and air-to-air aftercooled |                                   |             |

### Performance data

|                                   |                 |
|-----------------------------------|-----------------|
| Prime power at 50 Hz (1500 rpm)   | 415 kW (557 hp) |
| Standby power at 50 Hz (1500 rpm) | 456 kW (612 hp) |

## Performance curve



## Performance data

| Hz (rpm)  | Generator efficiency % | Rated fan power |    | Power factor | Calculated generator set output |         |         |         |
|-----------|------------------------|-----------------|----|--------------|---------------------------------|---------|---------|---------|
|           |                        | kW              | hp |              | Prime                           |         | Standby |         |
|           |                        |                 |    |              | kWe                             | kVA     | kWe     | kVA     |
| 50 (1500) | 90-93                  | 23              | 31 | 0.8          | 355-367                         | 443-458 | 390-403 | 487-504 |

## 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
- Cross-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

### EUI Fuel System

- Electronic unit injector (EUI) fuel system provides variable common rail pressure, multiple injections, and higher injection pressures up to 2,000 bar (29,000 psi). It also controls fuel injection timing and provides precise control for start, duration, and end of injection

### John Deere Electronic Engine 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.