

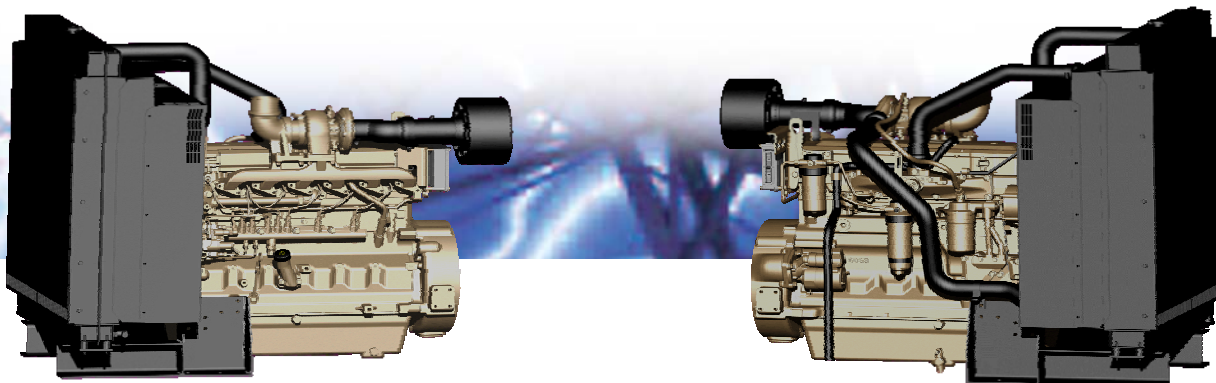


**JOHN DEERE**

*PowerTech™*

**6068HFU74 Diesel Engine**

**for Generator Set Applications**



### General data

Model ..... 6068HFU74  
Number of cylinders ..... 6  
Displacement – L (cu in) ..... 6.8 (415)  
Bore and stroke – mm (in) ..... 106 x 127 (4.19 x 5.00)  
Compression ratio ..... 17.0 : 1  
Engine type ..... In-Line, 4-Cycle

Aspiration.....Turbocharged (Air cooled)  
Length – mm (in) .....1508,9 (59,41)  
Width – mm (in) ..... 944 (37,17)  
Height – mm (in) ..... 1357 (53,43)  
Weight, dry – kg (lb) ..... 610 (1345)

Corresponding bare engine ..... 6068HF475

### Ratings

Prime power at 50 Hz (1500 rpm)	188 kW (252 hp)
Standby power at 50 Hz (1500 rpm)	207 kW (278 hp)

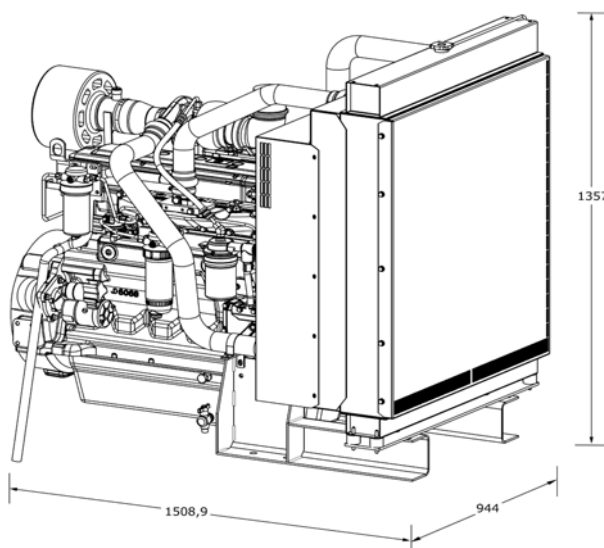
Prime power is the nominal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO 3046 and SAE J1995.

Standby power is the nominal engine power available at varying load factors for up to 500 hours per year. This rating conforms to ISO 3046 and SAE J1995. The calculated generator set rating range for standby applications is based on minimum engine power (nominal -5%) to provide 100% meet-or-exceed performance for assembled standby generator sets.

### Certification

- EU Stage II

### Dimensions



Dimensions : mm

Weight : 610 kg

Photographs may show non-standard equipment.

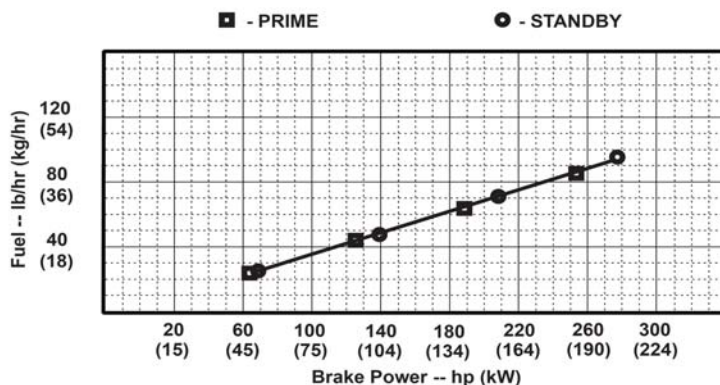
# PowerTech™ 6068HFU74 Diesel Engine

## for Generator Set Applications

### Performance data

Hz (rpm)	Generator efficiency %	Fan power		Power factor	Calculated generator set output			
		kW	hp		Prime		Standby	
					kWe	kVa	kWe	kVa
50 (1500)	89-93	10.4	14	0.8	158-165	198-206	175-183	219-229

### Performance curve



### Features and benefits

#### Dynamically Balanced Crankshaft

- Induction-hardened for long hours of reliable service
- Robust design to drive machinery from the front of the crankshaft
- Supported by seven main bearings

#### Forged-Steel Connecting Rods

- 45-degree connecting rod/cap-joint design allows the use of large connecting rod bearings for increased durability

#### Replaceable Wet-Type Cylinder Liners

- Provide excellent heat dissipation
- Precision machined for long life
- Rebuild to original specifications

#### Easy to Apply, Easy to Install

- Front and rear engine mounting pads on the side of the block facilitates installations
- Auxiliary drive rated to 50 hp (37 kW) intermittent for powering ancillary equipment
- Either side service for filters and service points facilitates packaging
- All connection points in common locations make it easy to install or package

#### 4 Valves per Cylinder

- 4 valves per cylinder and improved cylinder head flow for excellent performance, more horsepower capability, and better fuel economy

#### Compact Size

- Short length is ideal for both skid and packaged installations
- High mount or low mount turbocharger position to meet packaging requirements

#### World-class Performance

- Excellent fuel economy and low oil consumption

#### Fuel System Controls

- Electronically controlled
- High pressure common rail fuel system provides precise fuel delivery with variable timing resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection
- 3-5% Droop Governing or isochronous
- 12V or 24V Electric Shutoff

#### Emissions

- EU Stage II



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Preliminary Information.  
All values at rated speed and power with standard options unless otherwise noted.  
Specifications and design subject to change without notice.