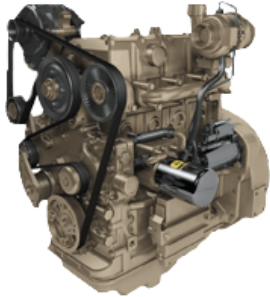


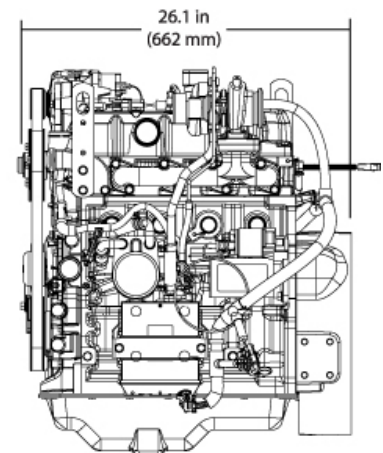
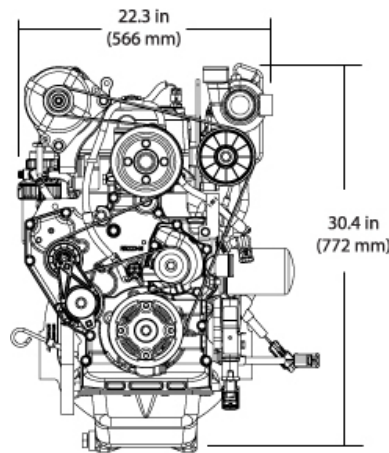
PowerTech E 4024H Diesel Engine

Industrial Engine Specifications



4024H shown

Dimensions



Certifications

CARB
EPA Interim Tier 4
EU Stage III A

General data

Model	4024HF295
Number of cylinders	4
Displacement - L (cu in)	2.4 (146)
Bore and Stroke-- mm (in)	86 x 105 (3.39 x 4.13)
Compression Ratio	18.2 : 1
Engine Type	In-line, 4-Cycle

Aspiration	Turbocharged and air-to-air aftercooled
Length - mm (in)	662 (26.1)
Width - mm (in)	566 (22.3)
Height-- mm (in)	772 (30.4)
Weight, dry-- kg (lb)	251 (553)

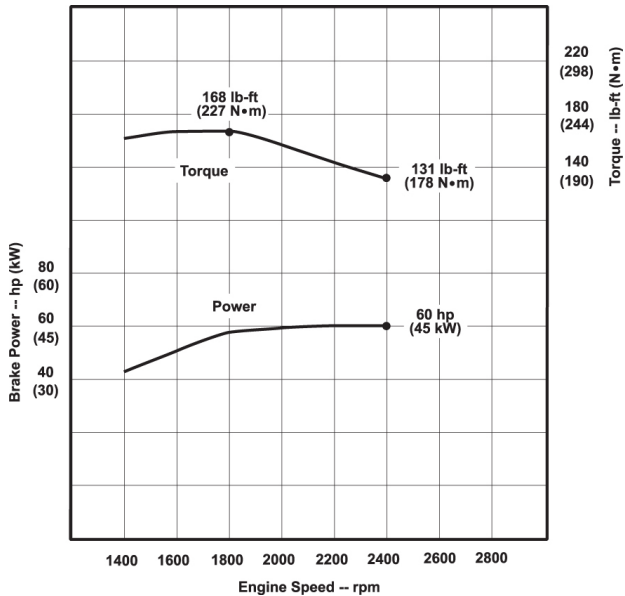
Intermittent BHP is the power rating for variable speed and load applications where full power is required intermittently.

Heavy duty - see application ratings/definitions, engine performance curves.

Continuous BHP is the power rating for applications operating under a constant load and speed for long periods of time.

Power output is within + or - 5% at standard SAE J 1995 and ISO 3046.

Performance curve



Performance data

Intermittent rated speed	45 kW (60 hp) @ 2400 rpm
Peak power	45 kW (60 hp) @ 2400 rpm
Power bulge %	0% @ NA rpm
Peak torque	227 N.m (167 ft-lb) @ 1800 rpm
Torque rise %	28% @ 1800 rpm

Features and benefits

2-Valve Cylinder Head

- U-flow head design provides excellent breathing from a lower-cost 2-valve cylinder head.

Electronic Unit Pump (EUP) Fuel System

- Rated speed flexibility and improved cold-start and warm-up control.

Fixed Geometry Turbocharger

- Fixed geometry turbochargers are sized for a specific power range and optimized to provide excellent performance across the entire torque curve. They are also designed to maximize fuel economy between the engine's rated speed and peak torque.

Air-to-Air Aftercooled

- This is the most efficient method of cooling intake air to help reduce engine emissions while maintaining low-speed torque, transient response time, and peak torque. It enables an engine to meet emissions regulations with better fuel economy and the lowest installed costs.

Compact Size

- Mounting points are the same as previous engine models.

Engine Performance

- Increased low-speed torque
- Higher level of peak torque
- Faster torque rise
- Lower-rated speeds available for reduced noise and improved fuel economy

John Deere Electronic Engine Controls

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

Additional Features

- Self-adjusting poly-vee fan drive
- Forged-steel connecting rods
- Either-side service
- 500-hour oil change
- Gear driven auxiliary drive
- Glow plugs
- Optional balancer shafts

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