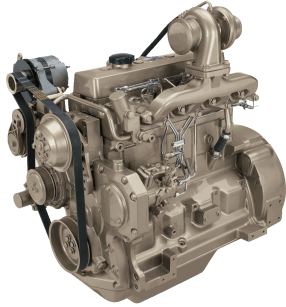


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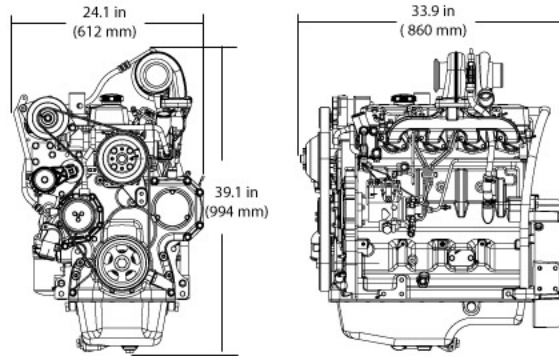
4045HF280 Diesel Engine

Industrial Engine Specifications



4045HF280 shown

Engine dimensions



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

Certifications

- CARB
- EPA Tier 3
- EU Stage III A
- MSHA

General data

Model	4045HF280	Length - mm (in)	860 (33.9)
Number of cylinders	4	Width - mm (in)	612 (24.1)
Displacement - L (cu in)	4.5 (275)	Height-- mm (in)	994 (39.1)
Bore and Stroke-- mm (in)	106 x 127 (4.17 x 5.00)	Weight, dry-- kg (lb)	396 (873)
Compression Ratio	19.0:1		
Engine Type	In-line, 4-Cycle		
Aspiration	Turbocharged and air-to-air aftercooled		

Performance data range

Application ratings	Intermittent
Rated power/Rated speed	60-74 kW (80-99 hp) @2200-2400rpm
Peak power	75 kW (101 hp) @2000-2200rpm
Power bulge	NA @ NA rpm
Peak torque	366-383 N.m (270-282ft-lb) @1600rpm
Torque rise	NA

The Industrial Intermittent engine power rating is for applications that operate at varying loads and speeds, and do not fit the Industrial Heavy-Duty rating information.

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

Features and benefits

2-Valve Cylinder Head

- Cross flow head design that provides excellent breathing from a lower cost two-valve cylinder head

Mechanical Rotary Fuel Pump

- The timing and fuel injection pressures are optimized to maximize performance and fuel economy at a given rated speed

Fixed Geometry Turbocharger

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

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 Tier 2/Stage II engine models

Additional Features

- Self-adjusting poly-vee fan drive
- Forged-steel connecting rods
- Replaceable wet-type cylinder liners
- Either-side service
- 500-hour oil change
- Optional final fuel filter with water separator and water-in-fuel sensor
- Optional balancer shafts