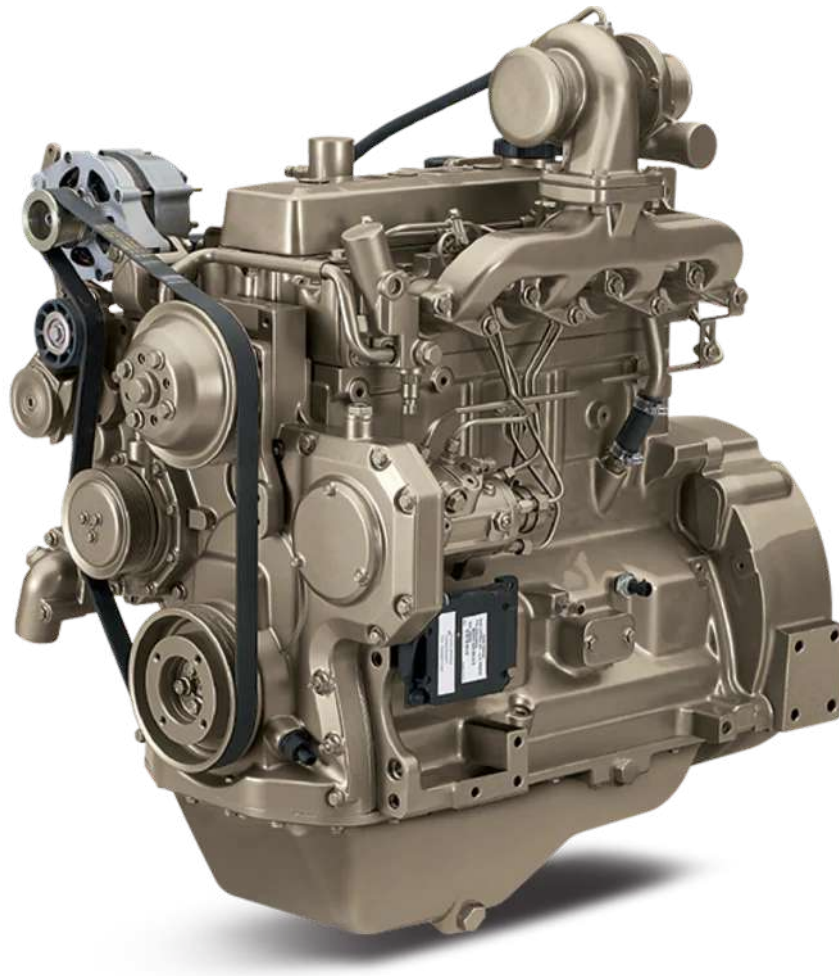


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> 4045HF280 4.5L Industrial Diesel Engine



4045HF280

4.5L Industrial Diesel Engine

- PowerTech™ M
- 74 kW (99 hp)

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— 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

— Engine performance

- New power bulge feature
- New higher-peak torque speed
- Lower-rated speeds available for reduced noise and improved fuel economy

— Additional features

- Self-adjusting poly-vee fan drive
- Forged-steel connecting rods
- Replaceable wet-type cylinder liners
- Either-side service
- 500 hour oil change

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Specifications

Emissions Certifications	
CARB	
EPA Tier 3	
EU Stage III A	
MSHA	

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