

PowerTech™

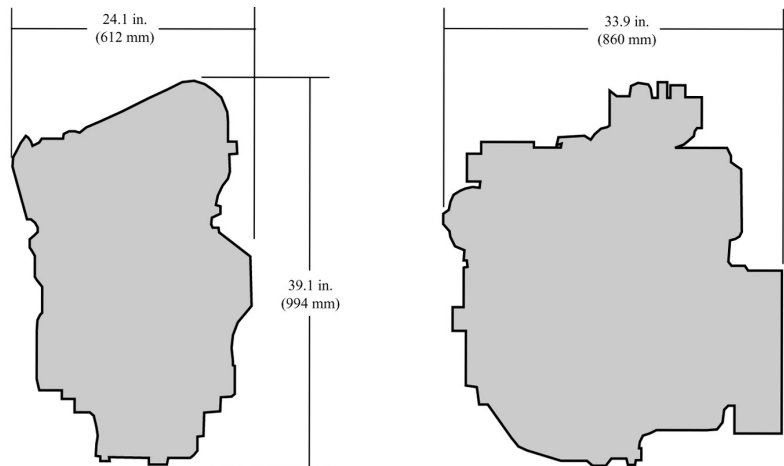
4045TF150 Diesel Engine

Industrial Engine Specifications



4045TF150 shown

Engine dimensions



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

Certifications

EPA Tier 1

General data

Model	4045TF150	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	17.0:1		
Engine Type	In-line, 4-Cycle		
Aspiration	Turbocharged		

Performance data range

Application ratings	Intermittent	Heavy Duty
Rated power/Rated speed	74-86 kW (99-115 hp) @2500rpm	66.5-78 kW (89-105 hp) @2200-2300rpm
Peak power	74-86 kW (99-115 hp) @2500rpm	67-79 kW (90-106 hp) @2200rpm
Power bulge	NA @ NA rpm	NA @ NA rpm
Peak torque	372-395 N.m (274-291ft-lb) @1400rpm	374-401 N.m (276-296ft-lb) @1200-1300rpm
Torque rise	NA	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.

Some applications require Industrial Heavy-Duty engine power ratings. Please contact your John Deere Power Systems engine distributor for more information.

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

Features and benefits

Dynamically Balanced Crankshaft

- Crankshafts are formed from nodular iron

Forged-Steel Connecting Rods

- Unique 45-degree design permits use of larger crankshaft connecting-rod bearings for increased durability

Self-adjusting Poly-vee Fan Drive

- Self-adjusting, eight-groove, poly-vee fan drive provides multiple fan drive ratios and fan heights that can be matched to specific application requirements
- Poly-vee design provides more than twice the drive capacity of comparable vee-belts

Replaceable Wet-Type Cylinder Liners

- Provides excellent heat dissipation
- Precision machined for long life

Either-Side Service

- Engine installation and maintenance simplified and convenient by providing dipstick and oil filter options on both sides of the engine

Standard Gear Auxiliary Drive

- Standard gear auxiliary drive produces up to 50 hp (37 kW) for gear-driven accessories

Mounting Points

- Standard front and side mounting points provide easy installation and application flexibility

Optional Engine-Balancer Shafts

- Provides smooth engine operation