

PowerTech™ M 4024T Diesel Engine Specifications

PERFORMANCE DATA

Rated Speed

Intermittent 49 hp (36 kW) @ 2800 rpm

Peak Power

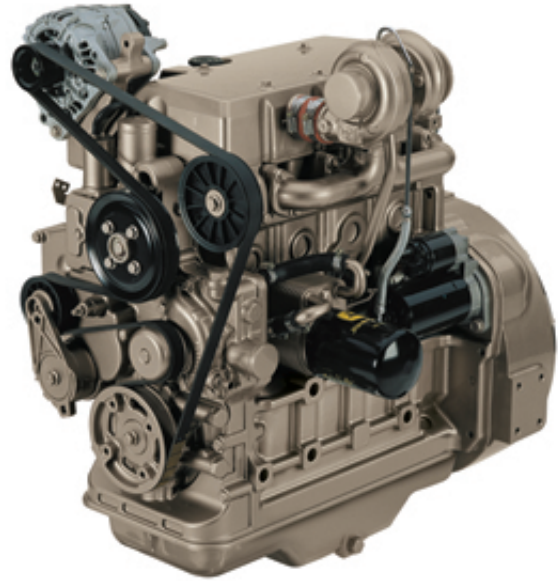
49 hp (36 kW) @ 2800 rpm

Peak Torque

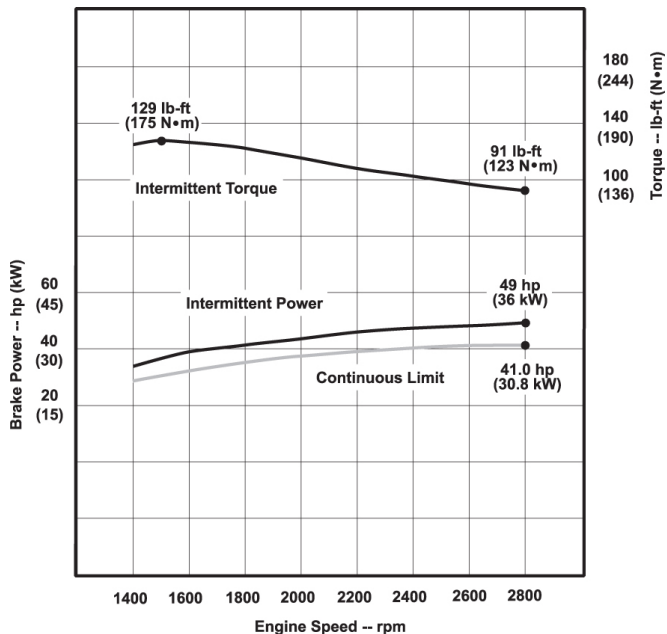
129 lb-ft (175 N.m) @ 1500 rpm

RATED BHP is the power rating for variable speed and load applications where full power is required intermittently. CONTINUOUS BHP is the power rating for applications operating under a constant load and speed for long periods of time. HEAVY DUTY - see application ratings/definitions, engine performance curves. POWER OUTPUT is within + or - 5% at standard SAE J 1995 and ISO 3046.

CERTIFICATIONS: EPA Interim Tier 4, EU STAGE III B AND CARB



PERFORMANCE CURVE



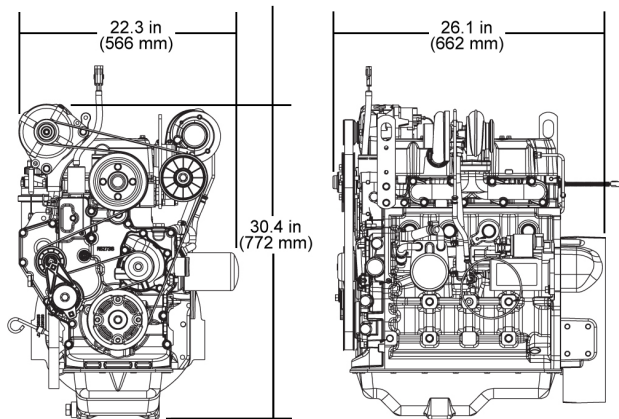
Photographs may show non-standard equipment

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GENERAL DATA

Model	4024TF281	Aspiration	Turbocharged
Number of Cylinders	4	Length--in. (mm)	26.1 (662)
Displacement-- L (cu.in)	2.44 (149)	Width--in. (mm)	22.3 (566)
Bore X Stroke--in. (mm)	3.40 x 4.10 (86 x 105)	Height--in. (mm)	30.4 (772)
Compression Ratio	19.1:1	Weight, dry--lb (kg)	554 (251)
Engine Type	In-line, 4-Cycle		

DIMENSIONS



Specifications and design subject to change without notice

FEATURES AND BENEFITS

2-Valve Cylinder Head

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

Mechanical Unit Fuel System

- This system uses a camshaft driven pump, connected to the injector by a short fuel line. This short fuel line between the unit pump and the injector helps to alleviate after-injection, secondary injection, and other injection abnormalities.

Fixed Geometry Turbocharger

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

Turbocharged

- In turbocharged engines, the air is pre-compressed. Due to the higher pressure, more air is supplied into the combustion chamber allowing a corresponding increase in fuel injection, which results in greater engine output.

Compact Size

- Mounting points are the same as Tier 2/Stage II engine models

Engine Performance

- Lower-rated speeds available for reduced noise and fuel economy

Additional Features

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



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