



JOHN DEERE

PowerTech® **3029D** Diesel Engine Specifications

PERFORMANCE DATA

Rated Power

Intermittent (I) 58 hp (43 kW) @ 2500 rpm
Continuous (C) 52 hp (39 kW) @ 2500 rpm

Peak Torque

Intermittent (I) 143 lb-ft (193 Nm) @ 1400 rpm

Fuel Economy

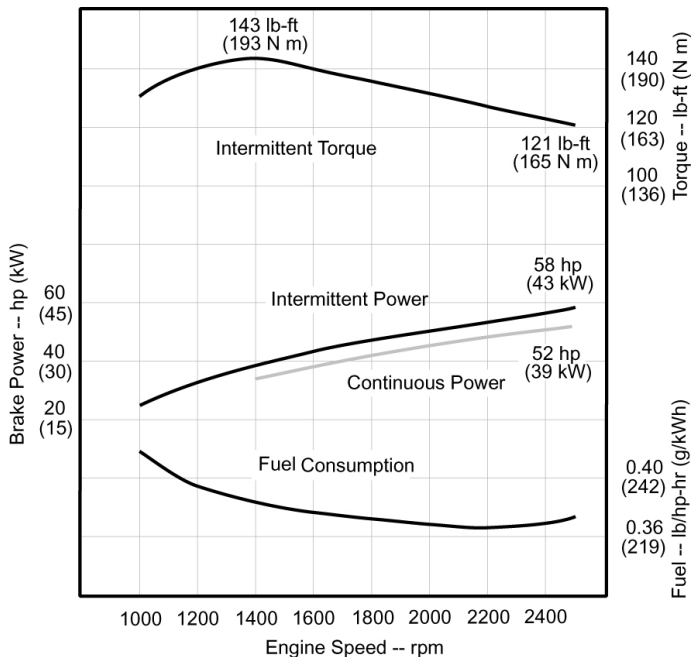
BSFC 0.373 lb/hp-hr (227 g/kWh) @ 2500 rpm

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

THIS ENGINE IS NOT EMISSION CERTIFIED



PERFORMANCE CURVE



Photographs may show non-standard equipment.

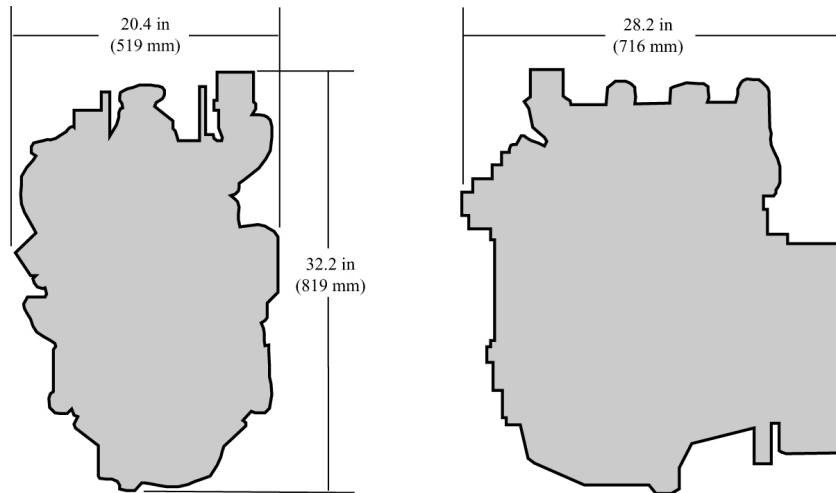


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3029D Diesel Engine
Specifications

GENERAL DATA

Model	3029D	Aspiration	Natural
Number of Cylinders	3	Length - in. (mm)	28.2 (716)
Displacement - L (cu.in)	2.9 (179)	Width - in. (mm)	20.4 (519)
Bore and Stroke - in. (mm)	4.19 x 4.33 (106 x 110)	Height - in. (mm)	32.2 (819)
Compression Ratio	17.2:1	Weight (Dry) - lb. (kg)	696 (316)
Engine Type	In-line, 4-cycle		

DIMENSIONS



FEATURES AND BENEFITS

Dynamically balanced crankshaft

- Journal surfaces induction-hardened for significantly increased wear life.

Forged-steel connecting rods

- 45-degree connecting-rod/cap-joint design allows the use of larger crankshaft-connecting-rod bearings for increased durability.

Replaceable wet-type cylinder liners

- Provides excellent heat dissipation.
- Precision machined for long life.

Redesigned cylinder block reduces weight

- The weight of the cylinder block has been reduced, while maintaining overall strength.
- Crankshaft supported by four main bearings.

New cylinder head improves performance

- The increased-flow cylinder head feature revised intake manifold ports, larger valves and seats, and optimum contouring of the seat areas. The result is improved engine performance in the areas of torque reserve, fuel consumption, and smoke.

Redesigned power cylinder

- The power cylinder parts have been redesigned to reduce the weight, thus diminishing the rocking mode of vibration.

Engine Mounts

- Multiple front engine mounts provide application flexibility and ease.

Compact size

- The compact, inline 3-cylinder configuration allows this model to be used in applications where length is critical.

Optional gear auxiliary drive

- An optional gear-driven auxiliary drive, with an SAE "A" flange, increases the application flexibility of the 3-cylinder engine.

World-class performance

- Higher torque rise, excellent fuel economy, and low oil consumption result in superior engine performance.

Specifications and design subject to change without notice.



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