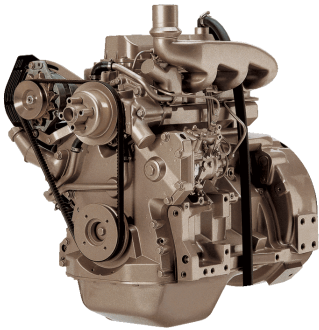


PowerTech™

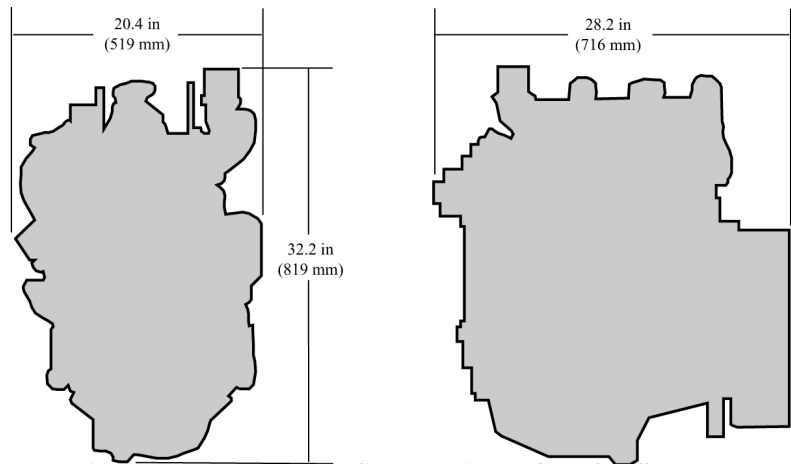
3029DF120 Diesel Engine

Industrial Engine Specifications



3029DF120 shown

Engine dimensions



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

Certifications

Non-Emissions Certified

General data

Model	3029DF120	Length - mm (in)	716 (28.2)
Number of cylinders	3	Width - mm (in)	519 (20.4)
Displacement - L (cu in)	2.9 (177)	Height-- mm (in)	819 (32.2)
Bore and Stroke-- mm (in)	106 x 110 (4.17 x 4.33)	Weight, dry-- kg (lb)	316 (697)
Compression Ratio	17:2:1		
Engine Type	In-line, 4-Cycle		
Aspiration	Naturally aspirated		

Performance data range

Application ratings	Intermittent
Rated power/Rated speed	43 kW (58 hp) @2500rpm
Peak power	43 kW (58 hp) @2500rpm
Power bulge	NA @ NA rpm
Peak torque	193 N.m (142ft-lb) @1400rpm
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

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

Strong Cylinder Block

- Weight of cylinder block reduced, while maintaining overall strength
- Crankshaft supported by four main bearings

Easy To Apply

- Mounting points for new engine have not been changed, making it easy to replace previous model
- Additional front engine mounts are available for application ease

Compact Size

- Compact, in-line 3-cylinder configuration allows model to be used in applications where length is critical

Optional Gear Auxiliary Drive

- Optional drive, with an SAE "A" flange, increases 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