

403J-07 Industrial Diesel Engine

15.3 kW (20.5 hp) @ 2200 rpm

EU Stage V - ready

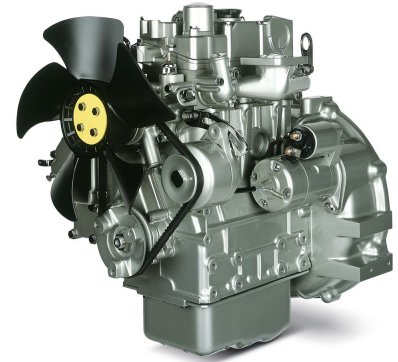
The Perkins 400 Series is an extensive family of engines in the 0.5-2.2 litre range. The 3 cylinder 403-07 model is one of Perkins smallest engines, combining performance, low operating costs and an ultra-compact package. From a packaging point of view, the 403-07 is the ideal engine for small industrial applications. Its simple, robust mechanical fuel system makes it easy to install and maintain.

403J-07 INDUSTRIAL ENGINE

0.7 litre, 3 cylinder

15.3 kW (20.5 hp)

EU Stage V - ready



Specifications

Power Rating		
Minimum Power	15.3 kW	20.5 HP
Maximum Power	15.3 kW	20.5 HP
Maximum Torque	44 Nm @ 1800 rpm	32 lb-ft @ 1800 rpm
Rated Speed	2200 rpm	

Emission Standards	
Emissions	EU Stage V - ready

General		
Bore	67 mm	2.6 in
Stroke	72 mm	2.8 in
Displacement	0.76 l	46.5 in ³
Aspiration	Naturally aspirated	
Rotation from Flywheel End	Anti-clockwise	
Combustion System	Indirect injection	
Compression Ratio	23.5:1	
Cooling System	Liquid	
Cycle	4 stroke	
Number of Cylinders	3 inline	

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Photographs are for illustrative purposes only and may not reflect final specification.
All information is substantially correct at time of printing and may be altered subsequently.
Final weights and dimensions will depend on completed specification.

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THE HEART OF EVERY GREAT MACHINE

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Total Coolant Capacity	1.2 l	0.3 gal (US)
Total Lubricating Capacity	3.1 l	0.8 gal (US)

Engine Dimensions*		
Dry Weight	71 kg	156.5 lb
Height	528 mm	20.8 in
Length	480 mm	18.9 in
Width	371 mm	14.6 in

Features and Benefits

A lifetime of low cost

The 400 Series offers highly competitive performance and fuel economy. Through appropriate use of technology, these engines have been designed to be reliable and to offer low cost of ownership in the wide variety of markets they serve.

Across an extensive power band, the 400 Series range offers you the ability to configure a solution to your specific machine, territory and market requirements.

Overlapping power bands between models and an extensive range of options gives the opportunity to optimise performance and functionality, adding customer value to the application.

We provide one year warranties for constant speed engines and two year warranties for variable speed models as standard.

As a 400 Series end user, you also benefit from Perkins world class product support and service coverage that comes from being a full range power solutions provider.

Compact design

The compact design of these engines makes them suitable for a range of applications, including skid steer loaders, mini excavators, wheel loaders, welders, lift platforms, lighting towers, small tractors, air compressors, turf care machinery and materials handling machinery.

Performance and refinement

The 400 Series lineup gives you a seamless power range of 8.2-55 kW (11-74 hp) in 2, 3 and 4 cylinder models designed with a family look and feel. The range offers a wide variety of ratings and configurations that can be tailored to meet the most exacting needs.

The selective use of indirect and direct injection fuel systems enables Perkins to offer world-class engine refinement and low noise levels.

Technical Information

Air inlet system

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- Exhaust manifold -side outlet
- Inlet manifold

Control system

- Alternator 12 volt 40 amp with DC output
- Electronic controlled governing
- Starter motor 12 volt

Cooling system

- Belt-driven coolant pump
- Cooling fan
- Coolant temperature switch
- High and low fan position

Flywheels and flywheel housing

- Adapter plate

Fuel system

- Fuel injection pump
- Spin-on fuel filter

General

- Cast iron engine block
- Closed circuit breather
- Cold start capability to -20°C (-4°F) (aided)
- Engine mountings
- Glow plug starting aid
- Gradeability 35° continuous

Oil system

- Lubricating oil sump
- Spin on lubricating oil filter
- Lubricating oil pressure switch

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