

400 Series 403D-15 Industrial Open Power Unit

24.2 kW / 32.5 hp

The Perkins® 400 Series engine family continues to set new standards in the compact engine market. Developed alongside customers to fulfil their needs in the construction, materials handling, agricultural/turf, genset and compressor markets, it is another class-leading diesel range from Perkins.

Built to the most demanding standards, the 400D engines meet all the requirements of the off-highway EU emissions legislation.

Perkins IOPUs offer the advantages of an industrial engine, with the convenience of a cost effective cooling and filtration solution. This minimises machine development time and costs, and enables applications to be powered with ease.

The 403D-15 IOPU is a powerful but quiet 1.5 litre packaged unit. It delivers impressive performance with low operating costs in a small, efficient package ideal for a range of industrial applications.



Ultra-compact power

- Up to 24.2 kW (32.4 hp) from an engine envelope of 0.32 cubic metres (11.3 cubic feet)
- Easy installation

Clean and quiet

- Noise levels have been kept to a minimum
- Subjective harshness has also been controlled, making the engine sound even quieter

Durable and reliable

- Product design and process improvements enhance both engine reliability and durability
- A new improved (advanced) governor, valve seat inserts, and new compliance testing deliver reliability of 6,000 hours
- A standard two-year warranty demonstrates our confidence in durability and reliability of our engines

Low operating costs

- Approved for operation on biodiesel* concentrations of up to 20%
- Oil and filter changes are 500 hours, dependent on load factor
- Engine durability and reliability, the warranty offering, and ease of installation combine to drive down the cost of ownership

Product support

- With highly trained Perkins distributors in thousands of communities in over 180 countries, you are never far away from expert product knowledge, genuine parts and a range of advanced diagnostic technology for keeping your engine in peak condition.
- **Warranties and Service Contracts**
We provide one-year warranties for constant speed engines and two-year warranties for variable speed models, as standard. These are supported by multilevel Extended Service Contracts that can be bought additionally.

Discover more

www.perkins.com
www.perkins.com/esc

www.perkins.com/distributor

To find your local distributor

Performance Data	Maximum Power			Maximum Torque		
	Speed rpm	kW	hp	Nm	lbf-ft	Speed rpm
Net Intermittent	3000	24.2	32.5	94.4	69.6	1800
Net Continuous	3000	21.1	28.3	82.1	60.6	1800
Net Intermittent	2800	23.9	32.1	94.4	69.6	1800
Net Continuous	2800	20.8	27.9	82.1	60.6	1800

*Subject to conformance with ASTM D6751 and EN14214.

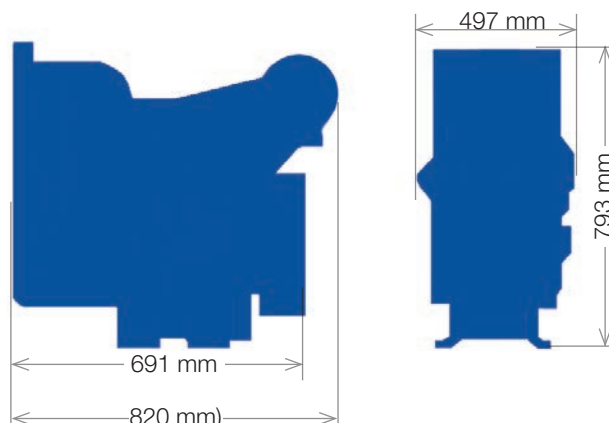
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 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

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24.2 kW / 32.5 hp



Engine specification

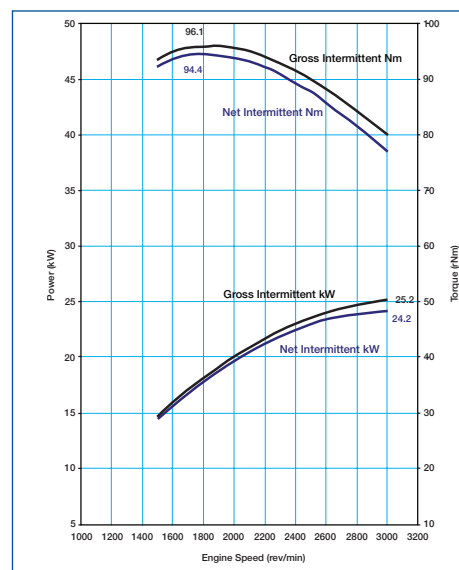
- Cast iron engine block
- SAE flywheel size 71/2
- SAE 4 flywheel housing
- Fuel injection pump
- Fuel filter
- Glow plug starting aid
- Lub oil sump
- Spin on lub oil filter
- Inlet manifold
- Cast iron exhaust manifold – side outlet
- Coolant pump belt driven
- Mounted radiator and fan
- Mounted air cleaner
- Starter motor 12 volt
- Alternator 12 volt 65 amp
- ESOS (Electric shut-off solenoid)
- Lub oil pressure switch
- Coolant temperature switch

Option groups

A selection of optional items is available to enable you to prepare a specification precisely matched to your needs.

Emissions statement

- Variable Speed: Industrial and IOPU engines: Certified against the requirements of EU Stage IIIA (Directives 97/68/EC, as last amended, and 2005/26/EC, as last amended).
- Constant Speed Engines: For use in Industrial, IOPU and ElectropaK applications: Certified against the requirements of EU Stage IIIA (Directives 97/68/EC, as last amended, for mobile applications).



Engine data

Number of cylinders 3 in-line
 Bore and stroke 84 x 90 mm (3.3 x 3.5 in)
 Displacement 1.496 litres (91 in³)
 Aspiration Naturally aspirated
 Cycle 4 stroke
 Combustion system Indirect injection
 Compression ratio 22.5:1
 Rotation Anti-clockwise viewed on flywheel
 Cooling system Liquid
 Total lubrication capacity 6 litres (1.6 US gals)
 Total coolant capacity 5.98 litres (1.6 US gals)

Dimensions

Length 820 mm (32.3 in)
 Width 497 mm (19.6 in)
 Height 793 mm (31.2 in)

Dry weight 197 kg (434 lb)
 Final weight and dimensions will depend on completed specification.

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 Perkins Engines Company Limited

Perkins Engines Company Limited
 Peterborough PE1 5FQ
 United Kingdom
 Telephone +44 (0)1733 583000
 Fax +44 (0)1733 582240
www.perkins.com



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