

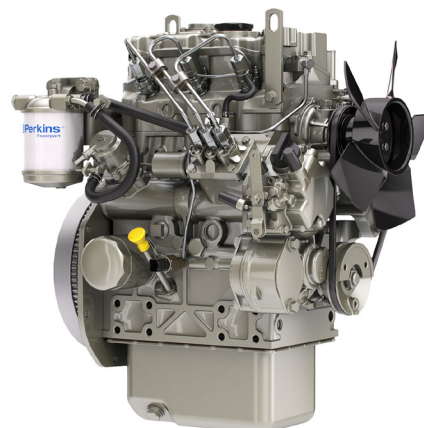
# 403F-11 & 403F-11T

Industrial

U.S. EPA Tier 4 Final

17.8 kW / 23.9 hp @ 2800 rpm

*The 403F-11 and 403F-11T are indirect injection industrial diesel engines that meet the U.S. EPA Tier 4 Final emission standard without the need for electronic control, aftertreatment or exhaust gas recirculation. Available as naturally aspirated or turbocharged for improved low speed torque, we also offer a range of factory configurable options to minimise the cost of machine development and of manufacturing.*



## Features and benefits

### Dependable power

The Perkins® 400 Series has been proven to deliver durable power. Manufactured in highly automated, state-of-the-art production facilities, a wide range of customisation is available while preserving high quality levels.

### Tailored for your machines

The 403F-11 and 403F-11T are the two engine options available from Perkins at 17.8 kW (23.9 hp), enabling OEMs to balance different installation, operating and commercial requirements. These models are particularly suited to machines where power from a small package size is key, while the turbocharged variant also delivers improved altitude performance.

### Quiet in service

The stiff block and indirect injection system make this a quiet engine, minimising operator fatigue and saving costs for OEMs in sound attenuation measures.

## Specification

|                                                 | Naturally aspirated                  | Turbocharged                         |
|-------------------------------------------------|--------------------------------------|--------------------------------------|
| Cylinders                                       | 3                                    |                                      |
| Displacement, litres (in <sup>3</sup> )         | 1.1 (67.1)                           |                                      |
| Bore and stroke, mm (in)                        | 77 × 81 (3.0 × 3.2)                  |                                      |
| Maximum torque, Nm (lb ft) @ rated speed, rpm   | 82.3 (60.7) @ 1600                   |                                      |
| Combustion system                               | Indirect injection                   |                                      |
| Compression ratio                               | 23:01                                | 22:01                                |
| Aftertreatment                                  | N/A                                  |                                      |
| Total lubricating oil capacity, litres (US gal) | 3.7 (0.98)                           |                                      |
| Rotation (viewed from flywheel)                 | Anti - clockwise                     |                                      |
| Length x width x height, mm (in)                | 491 × 400 x 576 (19.3 x 15.8 × 22.7) | 500 × 513 x 588 (19.7 x 20.2 × 23.1) |
| Weight, kg (lb)                                 | Dry - 87 (192)<br>Wet - 93 (205)     | Dry - 108 (238)<br>Wet - 114 (251)   |

For more information please contact a Perkins distributor: <http://distributorlocator.perkins.com>

All information in this document is substantially correct at time of printing and may be altered subsequently.  
Photographs are for illustrative purposes only and may not reflect final specification.  
Final weight and dimensions will depend on completed specification.  
Information subject to selected configuration, and subject to change without notice.  
Engine power measured per ISO 14396:2002.  
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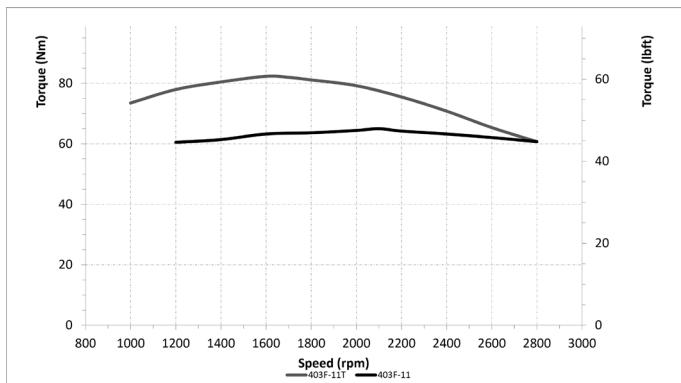
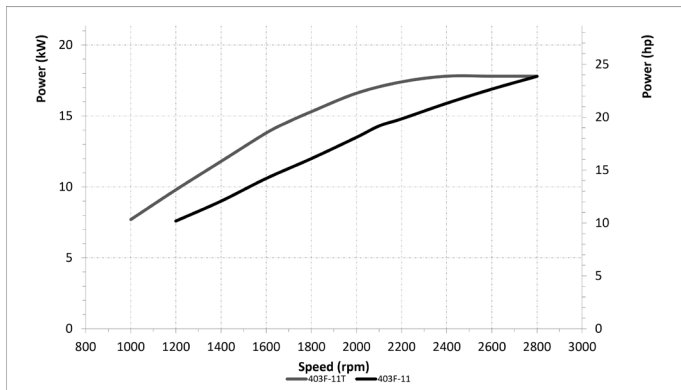
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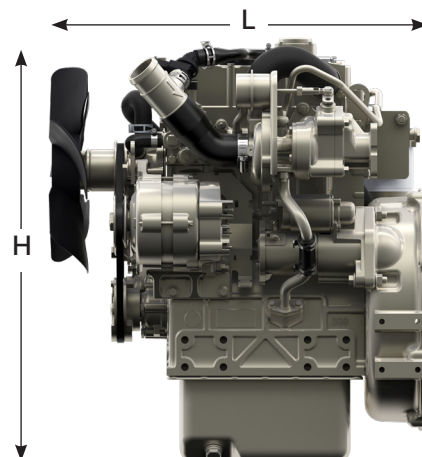
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## Performance curves



## Dimensions



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