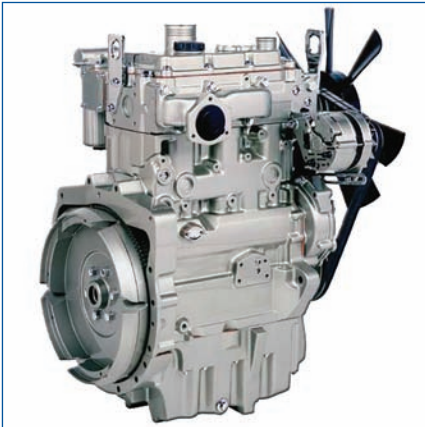


# 1100 Series

## 1103D-33TA

58 kW/77.8 bhp



With the success of the 1100 Series, single platform engines, Perkins have taken development further with the introduction of the new 1100D range.

The 1103D engine is a unique mechanical power solution available in naturally aspirated and turbocharged aftercooled models. The 1103D engine is a refined and compact product.

The 1100D range with its wide choice of build options, plus all the features and benefits, present a secure future for all our customers at Stage IIIA emissions legislation.

### Powered by your needs

- The 1100D range offers the possibility to move between different fuel system technologies and aspirations
- The 1103D mechanical range offers a class-leading choice of aspirations. This includes turbocharged aftercooled and naturally aspirated models for markets outside of the US

### State of the art design

- Niche offering tailored to compact industrial and agricultural applications
- Latest diesel technology development used in mechanical control system
- Minimised impact on heat rejection and fuel consumption

### Component commonality

- Shared front and rear ends and 'repeated' components - pistons, con rods and valve gear
- Rationalised inventory, streamlined training and consistent serviceability

### Lower installation costs

- Comparable hook-up points and envelope size to the 1103C model for ease of installation
- Customer enjoys a seamless transition during the emissions changeover process

### Lower operating costs

- Service intervals are 500 hours standard
- Perkins comprehensive warranty cover for two years (up to 3,000 hours), with 3 years on major engine components
- Low usage warranty package is also available

### Product support

- Perkins actively pursues product support excellence by ensuring our distribution network invest in their territory - strengthening relationships and providing more value to you, our customer
- Through an experienced global network of distributors and dealers, fully trained engine experts deliver total service support around the clock, 365 days a year. They have a comprehensive suite of web based tools at their fingertips covering technical information, parts identification and ordering systems, all dedicated to maximising the productivity of your engine
- Throughout the entire life of a Perkins engine, we provide access to genuine OE specification parts and service. We give 100% reassurance that you receive the very best in terms of quality for lowest possible cost .. wherever your Perkins powered machine is operating in the world

*Meets Stage IIIA emissions requirements (Stage IIIA refers to European standards).*

Engine Performance	Gross Intermittent (ISO/TR 14396)	Speed
Maximum Power (kW)	58.0	2200
Maximum Power (bhp)	77.8	2200
Peak Torque (Nm)	310.0	1400
Peak Torque (lbf ft)	228.6	1400

# 1100 Series

## 1103D-33TA

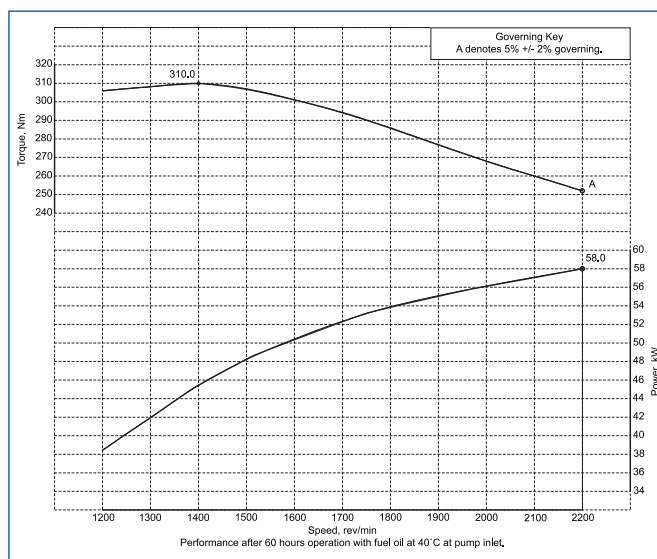
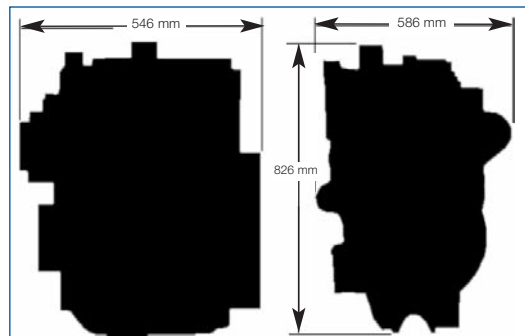
### Engine Specification

- Cast iron engine block
- Ecoplus fuel filter
- Standard oil filters
- Lub oil sump for 4WD tractors
- Integral inlet manifold
- Cast iron exhaust manifold
- Engine shut-off solenoid
- 12 volt Alternator
- Glow plug starting aid
- Lub oil pressure switch
- Coolant temperature switch
- Choice of power take-offs
- Flywheel and flywheel housing
- Integral inlet manifold
- Cast iron exhaust manifold
- Engine shut-off solenoid
- 12 volt starter motor
- Choice of filler positions
- Choice of water outlet
- LHS or RHS dipstick position
- Choice of cooling fans

### General Data

Number of cylinders	3 in-line
Bore and stroke	105 mm x 127 mm
Displacement	3.3 litres (202 cu.in.)
Aspiration	Turbocharged aftercooled
Cycle	4 stroke
Combustion system	Direct injection
Compression ratio	18.23:1
Rotation	Anti-clockwise viewed on flywheel
Cooling system	Liquid
Dimensions	Length 546 mm Width 586 mm Height 826 mm
Dry weight	276 kg

Final weight and dimensions will depend on completed specification



### Perkins Engines Company Limited

Peterborough PE1 5NA  
United Kingdom  
Telephone +44 (0)1733 583000  
Fax +44 (0)1733 582240  
[www.perkins.com](http://www.perkins.com)

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