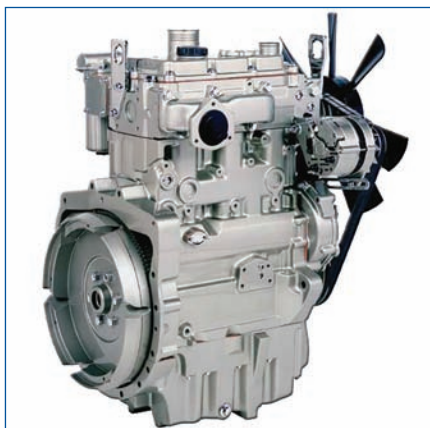




# 1100 Series

## 1103D-33

36.9 kW/49.5 bhp



### 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 and turbocharged aftercooled models for use worldwide, with the addition of a naturally aspirated model 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

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

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, turbocharged 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 Tier 3/Stage IIIA emissions legislation.

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

Engine Performance	Gross Intermittent (ISO/TR 14396)	Speed
Maximum Power (kW)	36.9	2200
Maximum Power (bhp)	49.5	2200
Peak Torque (Nm)	196.0	1400
Peak Torque (lbf ft)	145.0	1400

# 1100 Series

## 1103D-33

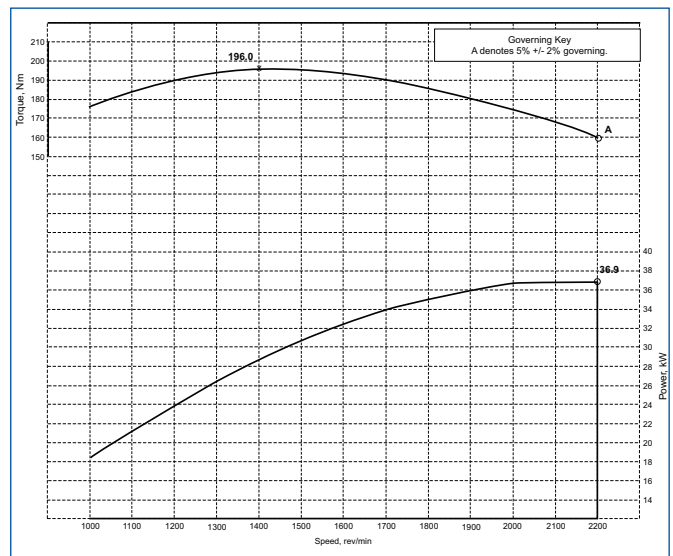
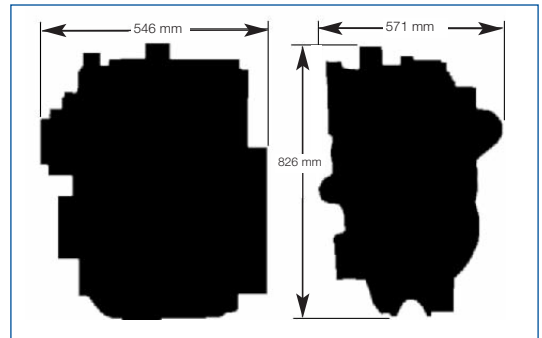
### Engine Specification

- 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 temperatre 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	Natural aspiration
Cycle	4 stroke
Combustion system	Direct injection
Compression ratio	19.2:1
Rotation	Anti-clockwise viewed on flywheel
Cooling system	Pressurised water
Dimensions	Length 546 mm Width 571 mm Height 826 mm
Dry weight	264 kg

Final weight and dimensions will depend on completed specification



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