



1100 Series

1103C-33

43 kW/57.5 bhp



Class Leading Performance

- The 1103C-33 provides up to 7.5% more power than even its Perkins 3 cylinder benchmark predecessor. In the working range, peak torque is 16% higher, low-end torque 8% better and with 19% torque back-up all join to raise productivity.

Cleaner, Quieter and Smoother

- The 1103C -33 operates at smoke levels that are barely visible to the naked eye. To further compliment its clean running qualities the range includes Ecoplus filtration. Environment friendly, Ecoplus employs a re-usable canister and combustible inner element. Well balanced in operation, fine tuning of the structure and combustion process has also lowered bare engine noise by a further 2 dB(A).

Quality by Design

- Product design and Class A manufacturing process improvements have been implemented to enhance product reliability to the needs of today, while maintaining Perkins legendary reputation for durability.

Ease of Installation

- The 1103C-33 is a true member of the 1100 Series range resulting in installation commonality with 1104 and 1106 models. The interchangeable nature of key components means customer demands are met without the need for an increased range of service parts.

Lower Operating Costs

- Service intervals are now doubled to 500 hours and the warranty period is extended to 2 years as standard. A new open top deck block maintains bore roundness which when combined with a superior honing process effectively, halves the oil consumption to further lower operating costs.

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

The 3 cylinder range within the 1100 Series family is the successor to the very successful Perkins 900 Series. In creation, it has been inspired and led by the future requirements of our customers in meeting the needs of the construction, material handling, agricultural/turf, industrial markets and gen set markets.

With 1100 Series, Perkins has designed to perform and delivered with a wide range of options and ratings.

Built to the most demanding standards, 1100 Series engines meet all the requirements of EC Stage 2 and USA EPA Tier 2 off-highway emissions legislation for 2004 while bringing significant performance and operational cost improvements to users.

The 1103C-33 is a smooth and quiet running 3.3 litre unit efficiently delivering increased performance for a wide range of off-highway applications.

Engine Performance	Gross Intermittent (ISO/TR 14396)	Speed (rev/min)
Maximum Power (kW)	43.0	2200
Maximum Power (bhp)	57.5	2200
Peak Torque (Nm)	222.0	1400
Peak Torque (lbf ft)	164.0	1400

Power output for a run-in engine after 60 hours

Rating standard ISO/TR 13492. Photographs are for illustrative purposes and may not reflect final specification.

All information in this document is substantially correct at time of printing and may be altered subsequently

Publication No. 1700/11/05 Produced in England ©2005 Perkins Engines Company Limited

1100 Series

1103C-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 574 mm Height 826 mm
Dry weight	266 kg (approx)

Final weight and dimensions will depend on completed specification

Option Groups

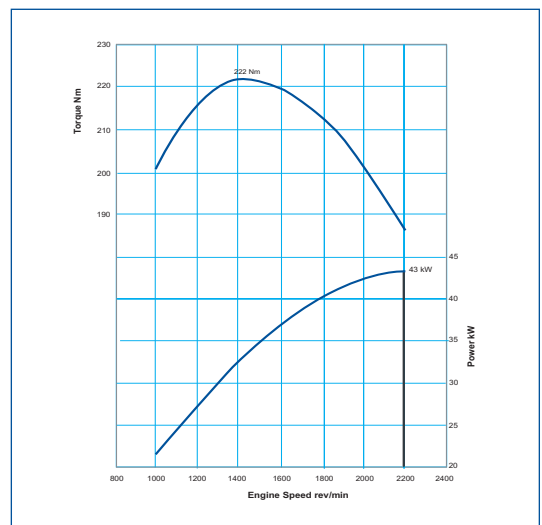
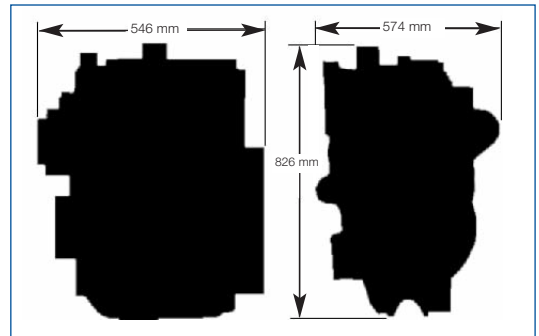
A selection of optional items is available to enable the customer to prepare a specification precisely matched to the needs.



Perkins Engines Company Limited

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

All information in this document is substantially correct at time of printing and may be altered subsequently
Publication No. 1700/11/05 Produced in England ©2005 Perkins Engines Company Limited



Final weight and dimensions will depend on completed specification

Distributed by