

# 1100 Series

## 1103C-33T

55 kW/74 bhp



### Class Leading Performance

- The 1103C-33T provides up to 15% more power than even its Perkins 3 cylinder benchmark predecessor. In the working range, peak torque is 20% higher, low-end torque 14% better and with 25% torque back-up all join to raise productivity.

### Cleaner, Quieter and Smoother

- The 1103C-33T 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-33T 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 reduces oil consumption to further lower operating costs.

### Product Support

- Total worldwide service is provided through a network of 4,000 distributors and dealers. TIPSS - The Integrated Parts and Support System enables customers to specify and order parts electronically as well as service engines with on-line guides and service tools.

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

designed to perform...  
delivered with choice

Performance Data	Gross Intermittent (ISO/TR 14396)	Engine Speed (rev/min)
Maximum power (kW)	55	2200
Maximum power (bhp)	74	2200
Peak Torque (Nm)	291	1400
Peak Torque (lbf ft)	215	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.

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### Engine Specification

- Cast iron engine block
- Ecoplus fuel filter
- Standard or Ecoplus 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
- 12 volt Starter motor
- Choice of filler positions
- Choice of water outlet
- LHS or RHS dipstick position
- Choice of cooling fans
- Side mounted turbo charger

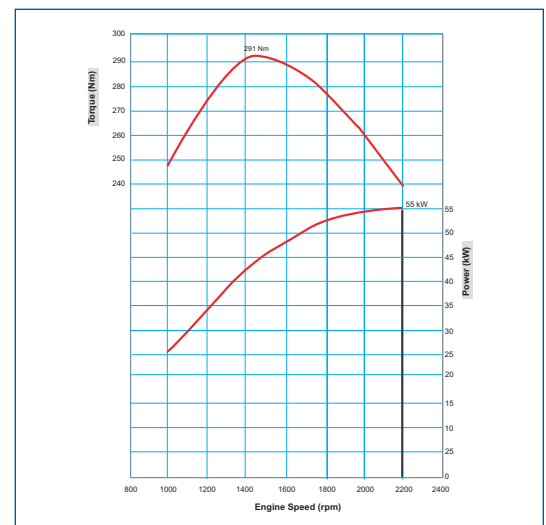
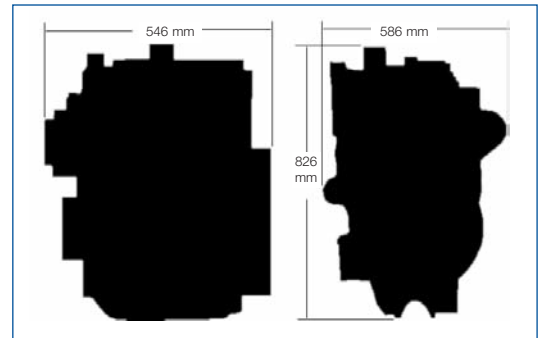
### General Data

Number of cylinders	3 in-line
Bore and stroke	105 mm x 127 mm
Displacement	3.3 litres (202 cu.in.)
Aspiration	Turbocharged
Cycle	4 stroke
Combustion system	Direct injection
Compression ratio	18.2:1
Rotation	Anti-clockwise viewed on flywheel
Cooling system	Pressurised water
Dimensions	Length 546 mm Width 586 mm Height 826 mm
Dry weight	293 kg (approx)

Final weight and dimensions will depend on completed specification.

### Option Groups

A wide selection of optional items are offered in order to enable the customer to prepare a specification precisely matched to his needs. These include alternative ratings, exhaust outlets, a range of flywheels and flywheel housings to suit various clutches and transmissions and a selection of power take-offs.



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