



800 Series

804D-33T

Agricultural, Construction and Industrial Power Units

55 kW / 73.7 bhp

62 kW / 83.1 bhp



Quiet clean power

- The 804D-33T is operator friendly, environmentally sensitive and operates to a low level of gaseous emissions meeting Tier 3/Stage IIIA off-highway regulations
- Smoke levels have been kept to a minimum
- The engine's tuned mechanical structure, two-stage injection and a turbo softened combustion minimise bare engine noise levels

High performance, productive power

- Class leading power take-off capability
- Increased power over Tier 2
- Turbocharged power, high torque and 17% torque back-up

Cost efficient power

- Oil and filter changes are set at 500 hours as standard, fuel filter replacement at 1,000 hours
- All service points conveniently placed on left hand side for easy accessibility

Reliable and durable power

- Product design and process enhance both engine reliability and durability
- Manufactured to standards which are customer approved and recognised internationally (ISO 9000)
- Provide daily reliability and over 6,000 productive hours operation before the need for overhaul

Product Support

- Through an experienced network of distributors and dealers, fully trained engine experts deliver total service support around the clock, 365 days a year. 4000 Service points around the world have a comprehensive suite of web based tools covering technical information, parts identification and ordering systems, all dedicated to maximising the productivity of your engine.
- Perkins actively pursues product support excellence by insisting our distribution network invest in their territory to provide you with a consistent quality of support across the globe.
- 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 in terms of quality for lowest possible cost.... wherever your Perkins powered machine is operating in the world.

The 800 Series engine family, developed in response to market demands, blends high technology with experience to provide best value, clean and reliable engines.

The 800 Series engines meet all the requirements of EC Stage IIIA and USA EPA Tier 3 off-highway emissions legislation. With low running costs, high power take-off and excellent performance, the 800 Series has class-leading reliability and durability.

The 804D-33T is a tough turbocharged 3.3 litre, 4 cylinder direct injection diesel and is ideally suited to power the new generation of more compact applications across a wide variety of sectors.

Performance Data	Gross (ISO/TR 14396)		Speed (rev/min)
	55 kW / 73.7 bhp	62 kW / 83.1 bhp	
Power Output (kW)	55.0	62.0	2500
Power Output (bhp)	73.7	83.1	2500
Peak Torque (Nm)	245.0	265.0	1600
Peak Torque (lbf ft)	180.7	195.4	1600

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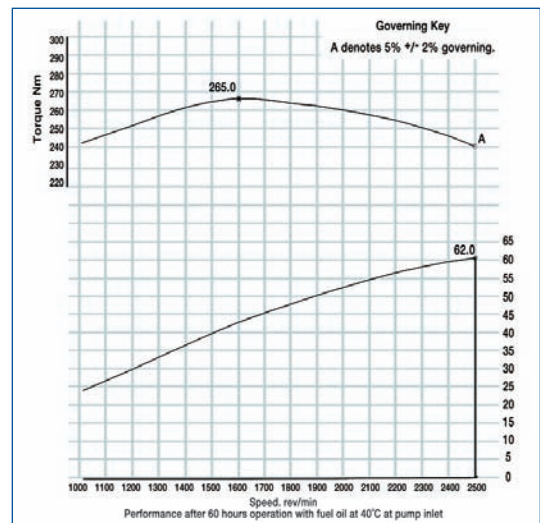
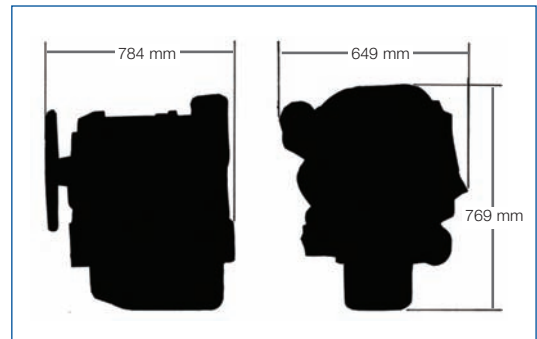
Engine Specification

- Cast iron engine block and cylinder head
- Flywheel and flywheel housing
- Glow plugs for cold starting down to -20%
- Cast iron one-piece exhaust manifold
- Belt-driven coolant pump
- 12 volt alternator
- Provision for PTO SAE 'A' Fixing
- Choice of cooling fans
- 12 volt starter motor
- Two oil fill positions: front and top cover
- Lub oil pressure switch 12V
- Inlet manifold
- Standard closed circuit breather

General Data

Number of cylinders	4 in-line vertical
Bore and stroke	94 mm x 120 mm
Displacement	3.3 litres
Aspiration	Turbocharged
Cycle	4 stroke
Combustion system	Direct injection
Compression ratio	19.0:1
Rotation	Clockwise, viewed from front
Cooling system	Liquid
Total lubrication system capacity	10 litres
Total coolant capacity	5.0 litres
Dimensions	Length 784 mm
	Width 649 mm
	Height 769 mm
Dry weight	265 kg

Final weight and dimensions will depend on completed specification.



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