



# 1300 Series EDi

## Diesel engine - Industrial Open Power Unit

### 1306-E87T

140,5 kWm @ 2200 rev/min



The Perkins 1300 EDi Series of variable speed industrial engines is a family of 6 cylinder units with a deserved reputation for providing reliable power and outstanding economy in a wide variety of stationary off-highway applications.

The Perkins 1306-E87T offers a full specification package providing high power and torque from a lightweight compact power unit. Full authority electronic engine management coupled with Hydraulically Actuated Electronic controlled Unit Injectors to provide quiet, clean highly productive power, with outstanding economy.

### Productive power

Hydraulically actuated Electronically controlled Unit Injectors - high pressure injection for true through-the-range performance.

Quick-acting, low inertia turbocharger providing forced induction through helical ports for optimum air/fuel mix and complete combustion.

### Clean, efficient power

Constant electronic engine monitoring and management enabling precise fuel metering and injection timing for reliable low temperature starting and superb economy with performance.

Electronically optimised fuel air mixing ensures complete combustion, exhaust virtually free of visible smoke and an emissions capability to match current and future off-highway legislation.

### Reliable power

Perkins' outstanding reputation comes from our world-class manufacturing capability. Internationally recognised and customer approved quality procedures ensure unsurpassed reliability.

1300 Series EDi engines incorporate some of the most technologically advanced premium features now available in diesel engines.

### Designed to fit

Perkins' industrial open power units offer a complete package with matched cooling system for easy installation and ready to run.

### Worldwide support

Perkins' network of 4,000 distributors and dealers assures the operator of the highest standards of in-service technical and parts support.

Performance Data		Net Continuous	Speed (rev/min)
Power Output	(kW)	140,5	2220
Power Output	(bhp)	188,3	2200
Peak Torque	(Nm)	828	1600
Peak Torque	(lbf.ft)	611	1600

*Note: Radiator package is supplied loose.*  
Performance and tolerances to ISO 3046/BS5514/DIN6271

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## Standard Power Unit Specification

Mounted air filter  
12/24 Volt alternator  
12/24 Volt starter  
610 mm pusher fan  
Radiator and fan guard  
Flywheel SAE J620 size 11.5  
Flywheel housing SAE2  
Hydraulically actuated Electronically controlled Unit Injectors  
Engine mounted electronic governor  
Oil cooler spin on full flow filters  
Wet sump  
Turbocharger with exhaust elbow  
Front engine mounting foot

## Optional Equipment

Timing case PTO  
Air filter pre-cleaner  
Rear mounting feet  
Tool kit  
User's handbook and parts manual  
Workshop manual

*This list is not exhaustive - please consult your Perkins dealer.*



## General Data

Bore and Stroke	116.6 x 135.9
Number of Cylinders	6 in-line vertical
Cubic Capacity	8.71 litres
Cycle	4 stroke
Aspiration	Turbocharged
Combustion System	Direct injection
Compression Ratio	17.2:1
Firing Order	1,5,3,6,2,4
Rotation	Anti-clockwise viewed from flywheel
Governing	Electronic
Cooling	Thermostatically controlled cooling system
Coolant Capacity	36.4 litres
Lubricating Oil Capacity	28.3 litres
Weight (dry)	896.4 kg
Length	1737 mm
Width	913 mm
Height	1369 mm



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