

# Perkins

### 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

## 1300 Series EDi 1306-E87T

# 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.



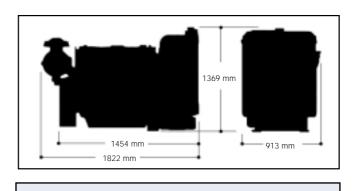
### **General Data**

Bore and Stroke Number of Cylinders Cubic Capacity Cycle Aspiration Combustion System Compression Ratio Firing Order Rotation

Governing Cooling

Coolant Capacity Lubricating Oil Capacity Weight (dry) Length Width Height

116.6 x 135.9 6 in-line vertical 8.71 litres 4 stroke Turbocharged Direct injection 17.2:1 1,5,3,6,2,4 Anti-clockwise viewed from flywheel Electronic Thermostatically controlled cooling system 36.4 litres 28.3 litres 896.4 kg 1737 mm 913 mm 1369 mm





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All information in this leaflet is substantially correct at the time of printing but may be changed subsequently by the Company