

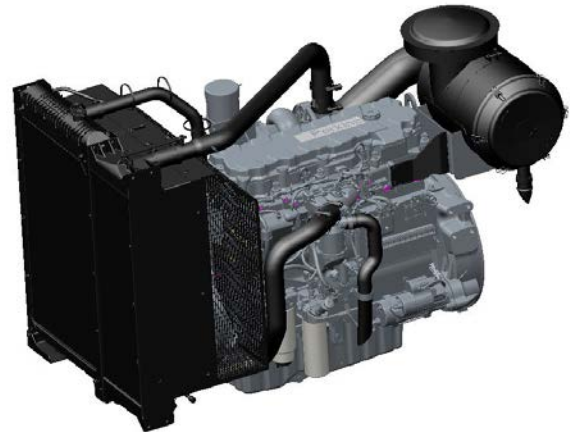
1500 Series 1506A-E88TAG5 Electropak

299 kWm standby net power @ 1500 rpm
345 kWm standby net power @ 1800 rpm

Building upon Perkins proven reputation within the power generation industry the Perkins® 1500 Series Electropak engines now fit even closer to our customer's needs.

The 1506A-E88TAG5 Electropak is a 6 cylinder, fully electronic, turbocharged, air-to-air charge cooled diesel engine. It is economical, quiet and reliable and provides the high performance that is demanded by our customers for their power generation needs.

Focusing on the Perkins common platform theme, changes to engine envelope dimensions and connection points have been kept to a minimum, making for easy installation across the ratings.



Dependable power

- The 1506A-E88TAG5 delivers greater productivity through an improved power to weight ratio.
- The world-class power density has been achieved from an 8.8 litre turbocharged engine using a hydraulic actuated unit injection (HEUI) fuel system; making this engine robust for all markets due to its ability to cope with the variation of fuel quality around the world.
- In its class, the 1506A-E88TAG5 has been designed to provide dependable power even in extreme ambient climates.

Low operating costs

- Oil change service intervals are set at 500 hours as standard.
- Designed to provide low cost of ownership, simple maintenance and reduced downtime.
- Perkins provides warranty coverage commencing on the date of delivery of new engines to the first user for 12 months, with 24 months on major core engine components. Consult Perkins Engines Company for detailed information.

Flexibility

- The 1506-E88TAG5 has been designed to hit the power node requirements of our customers.
- Switchability functionality from 50 Hz/1500 rpm to 60 Hz/1800 rpm and vice versa is available to provide greater flexibility for frequency selection.

World class product support

- Our 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 finger tips, 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.
- Extended Service Contracts – protect and plan the cost of ownership.

[Discover more](#)
www.perkins.com/esc

[To find your local distributor](#)
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Engine Speed	Type of Operation	Typical Generator Output		Engine Power Net	
		kVA	kWe	kWm	hp
1500 rpm	Prime	300	240	273	366
	Standby	330	264	299	401
1800 rpm	Prime	338	270	312	418
	Standby	375	300	345	462

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Standard Electropak specification

Air inlet system

Mounted air filter and turbocharger

Fuel system

- HEUI fuel system with full authority electronic control
- Electronic governing to ISO 8528-5 with stand-alone isochronous and load-sharing capabilities
- Fuel filter, fuel transfer pump, fuel priming pump
- Spin on primary, secondary and water filter separator

Lubrication system

- Wet full aluminium sump with filler and dipstick
- Full-flow spin-on filters
- Oil pump, gear driven

Cooling system

- Thermostatically controlled with belt driven, circulating pump and belt-drive fan
- Mounted belt driven pusher fan
- Radiator supplied loose with all guards and pipes
- Air-to-air charge cooler incorporated in radiator

Electrical equipment

- 24V starter motor and 24V, 45 amp alternator with DC output
- Electronic Control Module (ECM) mounted on engine with wiring looms and sensors

Flywheel and housing

- High inertia flywheel to SAE 1 J620 Size 355.6 mm (14 in)
- Aluminium SAE 1 flywheel housing

Mountings

Front engine mounting bracket

Engine data

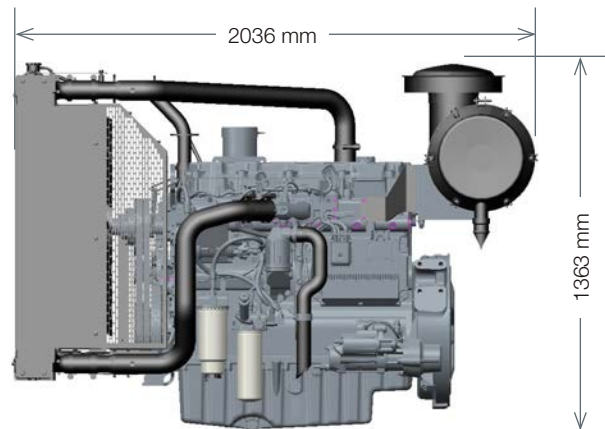
Number of cylinders Vertical in-line 6 cylinder
 Bore and stroke..... 112 x 149 mm (4.5 x 5.8 in)
 Displacement 8.8 litres (537 cubic in)
 Aspiration Turbocharged aftercooled
 Cycle.....4 stroke
 Combustion system..... Direct injection
 Compression ratio 16.1:1
 Engine rotationAnti-clockwise viewed on flywheel
 Cooling system.....Liquid
 Total lubrication capacity..... 41 litres (9.01 US gal)

Dimensions:

Length including air cleaner.....2036 mm (80 in)
 Width.....1087 mm (43 in)
 Height.....1363 mm (54 in)

Dry weight 1183 kg (2608 lb)

Final weight and dimensions will depend on completed specification



Fuel Consumption litres/hour				
Engine Speed	1500 rpm		1800 rpm	
	g/kWh	l/hr	g/kWh	l/hr
Standby	202	73	203	86
Prime Power	196	65	201	77
75% of Prime Power	195	48	198	57
50% of Prime Power	198	33	203	39

Photographs are for illustrative purposes only and may not reflect final specification.

All information in this document is substantially correct at time of printing and may be altered subsequently.
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 Perkins Engines Company Limited

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



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