

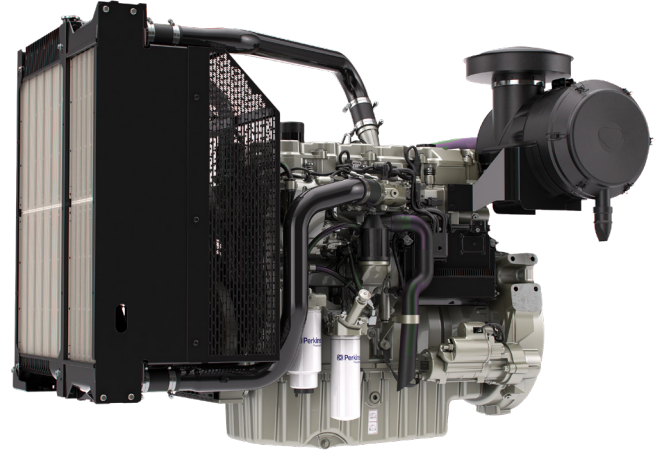
1506A-E88TAG Electric Power Engines

Power range 1500 rpm	192-307 kW (engine gross power)
Power range 1800 rpm	233-358 kW (engine gross power)
Emissions	Fuel optimised

The Perkins® 1500 Series is engineered to provide outstanding performance and maximise competitive advantage for our customers.

The 1506 is a 6 cylinder, fully electronic, turbocharged, air-to-air aftercooled diesel engine which is economical, quiet and reliable.

Furthermore, the ElectropaK comes as a complete unit, fitted with features such as the radiator pack, the air cleaner, and all of the wiring harnesses needed for convenient installation.



Features and benefits

- A high power density product achieved from an 8.8 litre turbocharged engine using a hydraulically actuated unit injection (HEUI) fuel system, making this engine **robust for most regions around the world**, due to its ability to cope with the **variation of fuel quality** around the world.
- Designed to provide low simple maintenance and **reduced downtime**, with oil change service intervals set to 500 hours as a standard.
- The 1500 Series has been designed to hit the power node requirements of our customers, as well as offer switchability functionality from 50 Hz/1500 rpm to 60 Hz/1800 rpm, and vice versa, to provide **greater flexibility** for frequency selection.
- Perkins offer a range of flexible solutions to help provide appropriate support, either to the OEM's network or directly to the machine customer. Our information systems enable our distributors to quickly diagnose engine faults and identify the right parts. The parts are dispatched from our global Perkins logistics operation, often reaching the customer within 24 hours, helping to **maximise the productive life** of the engine.
- Perkins takes pride in manufacturing all products globally to the same **high quality standard**. All of our products are manufactured in world class facilities to ensure highest quality for your peace of mind.

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Specification

	1506A-E88TA				
	TAG1	TAG2	TAG3	TAG4	TAG5
Configuration	ElectropaK				
Cylinders	6 vertical in-line				
Displacement, litres (in ³)	8.8 (537)				
Aspiration	Turbocharged aftercooled				
Bore and stroke, mm (in)	112 × 149 (4.4 × 5.9)				
Combustion system	Direct injection				
Compression ratio	16.1:1				
Exhaust aftertreatment	N/A				
Rotation (viewed from flywheel)	Anti-clockwise				
Total lubricating oil capacity, litres (US gal)	41 (9)				
Cooling system	Liquid				
Total coolant capacity, litres (US gal)	30 (7.9)				

Technical Information

Model	Speed	Type of operation	Engine Power		Typical Generator Output* (Net)		Prime Fuel Consumption			
			Gross	Net			ESP	100%	75%	50%
	rpm		kW (hp)	kW (hp)	kVA	kWe	g/kWh	g/kWh	g/kWh	g/kWh
1506A-E88TAG1	1500	Prime	192 (257)	180 (241)	207	166	195	197	200	212
		Standby	210 (282)	198 (266)	228	182				
1506A-E88TAG2	1500	Prime	213 (286)	201 (270)	231	185	197	197	194	205
		Standby	236 (316)	223 (299)	257	206				
	1800	Prime	233 (312)	216 (290)	248	198	200	199	203	214
		Standby	255 (342)	237 (318)	273	218				
1506A-E88TAG3	1500	Prime	236 (316)	223 (299)	257	206	200	199	199	208
		Standby	258 (346)	245 (329)	282	226				
	1800	Prime	270 (362)	252 (338)	290	232	200	199	199	208
		Standby	297 (398)	279 (374)	320	256				
1506A-E88TAG4	1500	Prime	258 (346)	245 (329)	282	226	200	198	200	207
		Standby	281 (377)	268 (359)	308	246				
	1800	Prime	292 (392)	274 (367)	315	252	199	198	198	207
		Standby	320 (429)	301 (404)	346	277				

All information in this document is substantially correct at time of printing and may be altered subsequently.
 Photographs are for illustrative purposes only and may not reflect final specification.
 Final weight and dimensions will depend on completed specification.
 Information subject to selected configuration, and subject to change without notice.
 All data based on operation to ISO 14396/1:2002 standard reference conditions.
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Technical Information (cont/d)

Model	Speed	Type of operation	Engine Power		Typical Generator Output* (Net)		Prime Fuel Consumption			
			Gross	Net			ESP	100%	75%	50%
	rpm		kW (hp)	kW (hp)	kVA	kWe	g/kWh	g/kWh	g/kWh	g/kWh
1506A-E88TAG5	1500	Prime	281 (377)	268 (359)	308	246	202	196	195	198
		Standby	307 (412)	293 (393)	337	270				
	1800	Prime	325 (436)	306 (410)	352	282	203	201	198	203
		Standby	358 (480)	339 (455)	389	312				

*Generator powers are typical and based on typical alternator efficiencies and a power factor (cos θ) or 0.8.

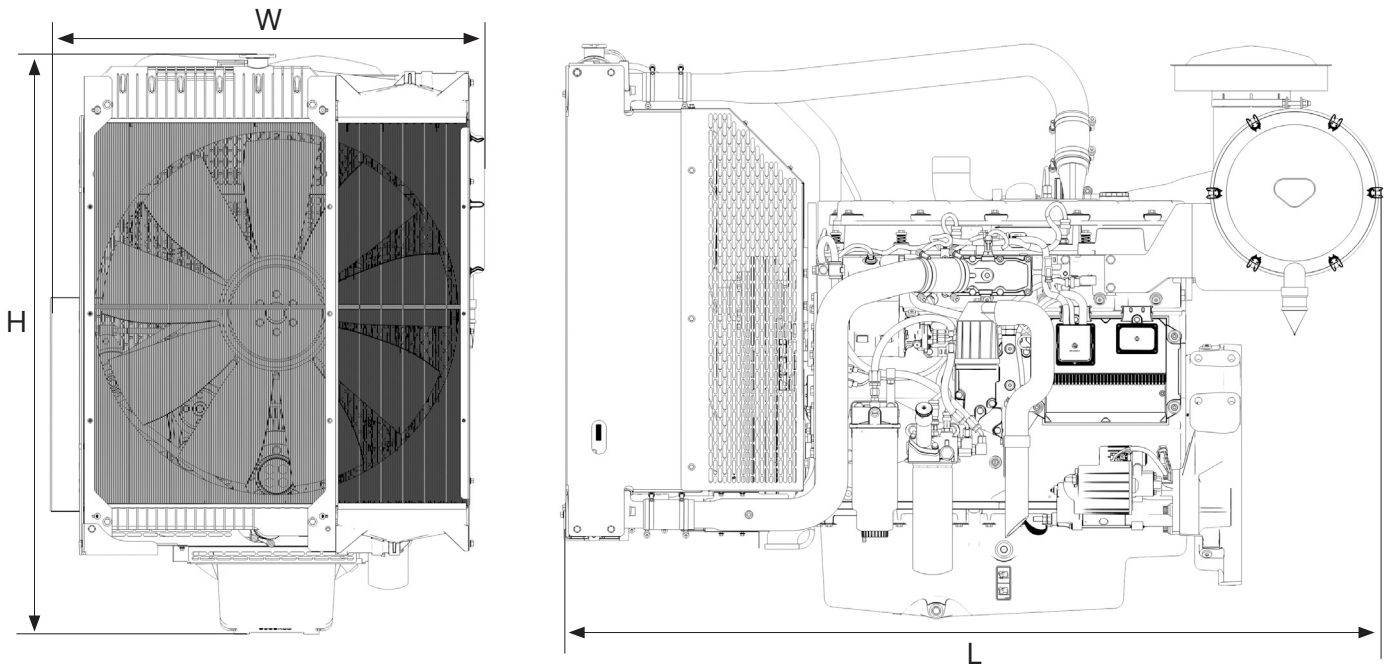
Standard Equipment

	1506A-E88TA				
	TAG1	TAG2	TAG3	TAG4	TAG5
Electro unit or ElectropaK	ElectropaK				
Radiator fitted	✓				
Fuel filter, engine mounted	✓				
Water separator	✓				
Fuel priming pump (manual/electric)	Manual				
Fuel cooler (not required for most installations)	N/A				
Air filter, engine mounted	✓				
Engine ECM, engine mounted	✓				
Wiring harness to ECM	✓				
Wiring harness (all connectors to single customer interface)	✓				
Starter motor	✓				
Battery charging alternator	✓				
Flywheel housing	✓				
Flywheel	✓				
Fan	✓				
Fan guard	✓				
Temperature and oil pressure for automatic stop/alarm configurable	✓				

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Engine Package Weights and Dimensions



	1506A-E88TA				
	TAG1	TAG2	TAG3	TAG4	TAG5
Configuration	Electropak				
Dimensions, H x L x W, mm (in)	1366 x 1941 x 1013 (53.8 x 76.4 x 39.9)				
Dry weight, kg (lb)	1156 (2549)				

Prime power: Unlimited hours usage with an average load factor of 80 percent of the published prime power over each 24 hour period. A 10 percent overload is available for one hour in every 12 hours operation. No overload is permitted.

Standby power: Limited to 500 hours annual usage with an average load factor of 80 percent of the published standby power over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted.