

4000 Series 4008D-E30TAG1 Diesel Engine – ElectropaK

720 kWm @ 1500 rpm gross prime power

Perkins are pleased to introduce its first electronic engine to The Perkins® 4000 Series family. The 4008 electronic engine is designed specifically to produce lower emissions and provide competitive performance at the same time. This Tier 3 emissions capable engine meets the electric power industry's growing demand for greener power along with superior performance and reliability.

The 4008D-E30TAG1 is a turbocharged and air-to-air charge cooled, 8 cylinder diesel engine with full electronic control enabling lower emissions, easy diagnostic capability. This engine also offers world leading load acceptance and ambient de-rate capability. Along with exceptional power to weight ratio, this engine also benefits from low cost of ownership and long service intervals; all characteristics essential to the power generation market.



Designed to meet India CPCB II emissions standards

Specification		
Number of cylinders	8 vertical in-line	
Bore and stroke	160 x 190 mm	6.2 x 7.4 in
Displacement	30.5 litres	1865 in ³
Aspiration	Turbocharged and air-to-air charge cooled	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	12.8:1	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	153 litres	40.4 US gal
Cooling system	Water-cooled	
Total coolant capacity with radiator	140 litres	37 US gal

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 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

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Features and benefits

Dependable power

- Individual 4 valve cylinder heads giving optimised gas flows
- Unit fuel injectors ensure ultra fine fuel atomisation and hence controlled rapid combustion
- Commonality of components with other engines in the 4000 Series family for reduced stocking levels
- Designed to meet India CPCB II emissions standards

Low operating costs

- Oil change service intervals are set at 300 hours as standard
- Designed to provide low cost of ownership, simple maintenance and reduced downtime
- Class leading warranty
Prime power - 12 months unlimited hours. For engines that operate less than 6,000 hours the warranty is available for two years or until the application reaches 6,000 hours (whichever is sooner).
Standby power - three years or 1,500 hours (whichever is sooner).
See Perkins Warranty Policy for further details
- Perkins Platinum Protection - comprehensive cover from as little as 5 percent* of the cost of your engine
Talk to your local distributor or visit www.perkins.com/platinum-protection for more details

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 disposal, 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 customers with a consistent quality of support across the globe
- Throughout the entire life of a Perkins engine, we provide access to genuine 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
To find your local distributor: www.perkins.com/distributor

*Terms and conditions apply

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Technical information

Air inlet system

- Mounted air filter and turbocharger

Fuel system

- Full flow spin-on filters
- Governing to ISO 8528-5 Class G3 with isochronous capability
- Mechanically actuated electronically controlled unit fuel injectors with full authority electronic control

Lubrication system

- Wet full aluminium sump with filler and dipstick
- Full flow spin-on oil filters

Cooling system

- Twin thermostats, water pump
- System designed for ambient temperatures up to 50°C
- Radiator supplied loose incorporating air-to-air charge cooler

Electrical equipment

- 24V starter motor, 24V alternator with integral regulator and DC output
- High coolant temperature monitored through ECM
- Low oil pressure monitored through ECM

Flywheel and housing

- Flywheel to SAE J620 size 18
- SAE 'O' flywheel housing

Optional equipment

- 4 metre wiring harness
- Exhaust counter flanges
- Single exhaust outlet pipe
- Temperate radiator kit

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Engine package weights and dimensions		
Length	3468 mm	137 in
Width	2194 mm	86 in
Height	1920 mm	76 in
Weight (dry)	4217 kg	9297 lb

Speed rpm	Type of operation	Typical generator output (Net)		Engine power			
				Gross		Net	
		kVA	kWe	kWm	hp	kWm	hp
1500	Prime power	810	648	720	965	682	914
	Standby (maximum)	900	720	796	1067	758	1016

The above ratings represent the engine performance capabilities to conditions specified in ISO 8528/1, ISO 3046/1:1986, BS 5514/1. **Derating may be required for conditions outside these; consult Perkins Engines Company Limited.**

Generator powers are typical and are based on an average alternator efficiency and a power factor (cos. θ) of 0.8. **Fuel specification:** BS 2869: Part 2 1998 Class A2 or ASTM D975 D2. **Lubricating oil:** 15W40 to API CI4. Perkins® Diesel Engine Oil is recommended.

Rating definitions

Prime power: Power available at variable load with a load factor not exceeding 80% of the prime power rating. **Standby power:** Power available in the event of a main power network failure up to a maximum of 500 hours per year of which up to 300 hours may be run continuously. Load factor may be up to 100% of standby power. No overload is permitted.

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