

# 4000 Series 4008-30TAG1 ElectropaK

842 kWm @ 1500 rpm net standby power

The Perkins® 4000 Series is a family of 6, 8, 12 and 16 cylinder diesel engines, designed to address today's uncompromising demands within the power generation industry with particular aim at the standby market sector.

Developed from a proven engine range that offers superior performance and reliability.

The 4008-30TAG1 is a turbocharged and air-to-air charge cooled, 8 cylinder diesel engine offered in an engine only configuration. Its premium features and design provide economic and durable operation as well as an exceptional power to weight ratio, excellent load acceptance and improved gaseous emissions, plus the overall performance and reliability characteristics essential to the power generation market.



Specification		
Number of cylinders	8 vertical in-line	
Bore and stroke	160 x 190 mm	6.3 x 7.5 in
Displacement	30.561 litres	1865 in <sup>3</sup>
Aspiration	Turbocharged and air to air charge cooled	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	13.6:1	
Rotation	Anti-clockwise, viewed from flywheel end	
Total lubricating capacity	153 litres	40.4 US gal
Cooling system	Water-cooled	
Total coolant capacity	48 litres	12.7 US gal

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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
- Capable emissions of 1/2 TA Luft (1986)

### 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
- 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](http://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](http://www.perkins.com/distributor)

\*Terms and conditions apply

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## Technical information

### Air inlet system

- Mounted air filter and turbocharger

### Fuel system

- Direct fuel injection system with fuel lift pump
- Digital governing to ISO 8528-5 Class G2 with isochronous capability
- Full flow spin-on filters

### Lubrication system

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

### Cooling system

- Twin thermostats
- System designed for ambient temperatures of up to 50°C

### Electrical equipment

- 24V starter motor and 24V alternator with integral regulator and DC output
- Turbine inlet temperature protection
- High coolant temperature protection switch
- Low oil pressure protection switch

### Flywheel and housing

- Flywheel to SAE J620 Size 18
- SAE 0 flywheel housing

### Optional equipment

- 4 metre wiring harness
- Secondary electric start
- Immersion heater
- Single exhaust outlet pipe
- Exhaust counter flanges
- Temperate radiator kit

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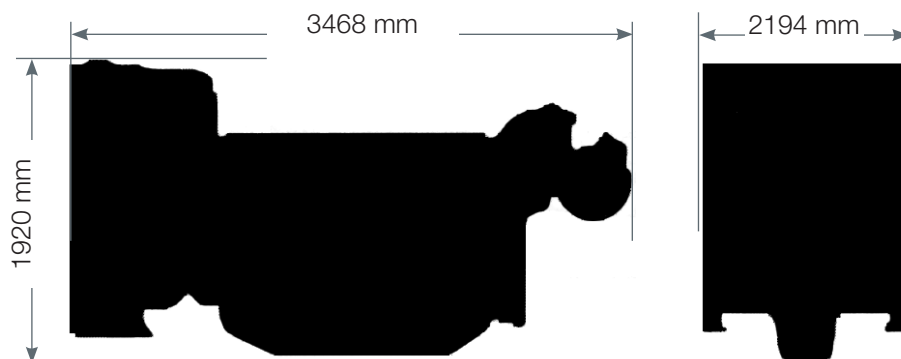
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Engine package weights and dimensions		
Length (including air cleaner)	3468 mm	137 in
Width	2194 mm	86 in
Height	1920 mm	76 in
Weight (dry)	4217 kg	9297 lb

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Speed rpm	Type of operation	Typical generator output		Engine power (Net)	
		kVA	kWe	kWm	hp
1500	Baseload power	750	600	632	1073
	Prime power	900	720	758	1270
	Stand-by power	1000	800	842	1408

Percent of prime power	Fuel consumption at 1500 rpm g/kWh	Fuel consumption at 1500 rpm l/hr
Standby power	193	200
Prime power	197	187
75%	197	140
50%	201	95

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