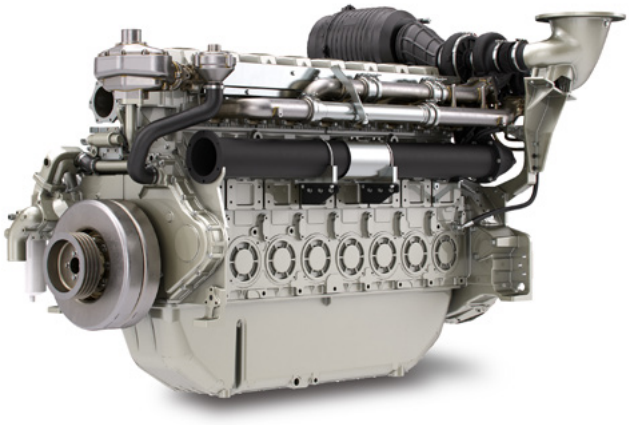
4000 Series 4008-30TAG3 ElectropaK

1055 kWm standby net power @ 1500 rpm

Building upon Perkins proven reputation within the power generation industry the Perkins® 4000 Series ElectropaK engines now fit even closer to our customer's needs.

The 4008-30TAG3 ElectropaK is an 8 cylinder, electronically governed, 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.



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 cubic in
Aspiration	Turbocharged aftercooled	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	13.1:1	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	153 litres	40.4 US gal
Cooling system	Liquid	

www.perkins.com

Photographs are for illustrative purposes only and may not reflect final specification.
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Final weight and dimensions will depend on completed specification.

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Perkins®

THE HEART OF EVERY GREAT MACHINE

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Features and benefits

Dependable power

- The 4008-30TAG3 delivers greater productivity through an improved power to weight ratio
- The world-class power density has been achieved from an 30 litre turbocharged engine using mechanical unit injectors; 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 4008-30TAG3 has been designed to provide dependable power even in extreme ambient climates with the offering of tropical radiators

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).

  Stand-by power - three years or 1,500 hours (whichever is sooner).

  See Perkins Warranty Policy for further details
- Extended Service Contracts – protect and plan the cost of ownership
  Go to **www.perkins.com/esc** for more information

Flexibility

- The 4008-30TAG3 has been designed to achieve 1250 kVA which is a node you would expect to be powered by a 12 cylinder engine

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**

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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

- Triple 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 shutdown switch
- High coolant temperature shutdown switch
- Low oil pressure shutdown switches

Flywheel and housing

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

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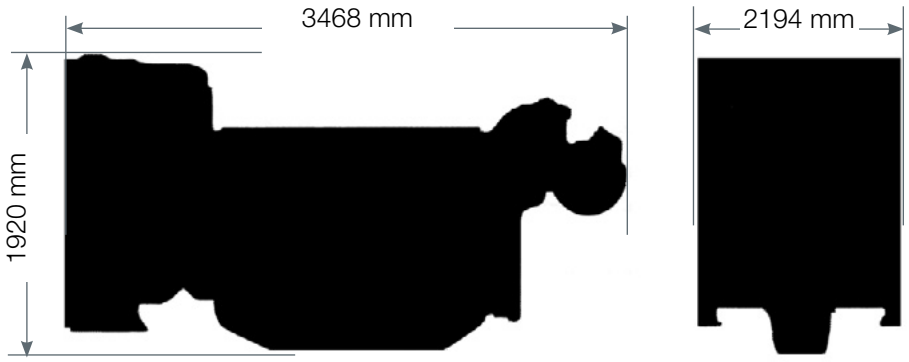

Engine package weights and dimensions		
Length (including air cleaner)	3468 mm	137 in
Width	2194 mm	86 in
Height	1920 mm	76 in
Weight (dry)	4217 kg	9297 lb

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Speed rpm	Type of operation	Typical generator output		Engine power (Net)	
		kVA	kWe	kWm	hp
1500	Baseload power	950	760	800	1073
	Prime power	1125	900	947	1270
	Stand-by power	1250	1000	1055	1408

Percent of prime power	Fuel consumption at 1500 rpm g/kWh	Fuel consumption at 1500 rpm l/hr
Standby power	210	269
Prime power	206	244
75%	202	188
50%	204	120

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