1100 Series 1106D-E70TAG4 Diesel Engine – ElectropaK

166 kWm prime power / 183 kWm standby power @ 1500 rpm

Building upon Perkins proven reputation within the power generation industry, the 1100 Series range of ElectropaK engines now fit even closer to customers needs.

In the world of power generation success is only gained by providing more for less. With the 1106D-E70TAG4 Perkins has engineered even higher levels of reliability, yet lowered the cost of ownership.

These ultra clean engines are assembled on a new high technology production line. Frequent computerised checks during the production process ensure high build quality is maintained throughout.

Focusing on our common platform theme, changes to engine envelope dimensions and connection points have been kept to a minimum.

Specification		
Number of cylinders	6 vertical in-line	
Bore and stroke	105 x 135 mm	4.13 x 5.31 in
Displacement	7.01 litres	428 in^3
Aspiration	Turbocharged aftercooled	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	16.8:1	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	16.5 litres	4.36 US gal
Cooling system	Liquid	
Total coolant capacity	21 litres	5.5 US gal

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THE HEART OF EVERY GREAT MACHINE

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Features and benefits

Dependable power

- The Perkins® 1106D-E70TAG4 delivers up to 200 kVA standby at 50 Hz and 175 kWe at 60 Hz, providing greater productivity through an improved power to weight ratio
- This world-class power density has been achieved in a 7 litre engine, using an electronic fuel injection system; making this engine robust for all markets, with the ability to cope with the variation of fuel qualities around the world

  The 1106D has been designed for excellent load acceptance to ensure your facility is powered quickly at all conditions

Low operating costs

- Service intervals are set at 500 hours as standard assuming approved fuels and lubrication oils are used
- 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
  *Terms and conditions apply

World class product support

- Through an 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
- To find your local distributor: www.perkins.com/distributor

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Technical information

- Tropical radiator pipes and guards
- Flywheel housing
- Flywheel and starter ring
- Oil filters
- Starter motor
- Air cleaners and brackets
- Lubricating oil sump
- Alternator
- Induction manifolds
- Exhaust manifolds
- Fuel filter
- Cold start aid
- Engine mountings

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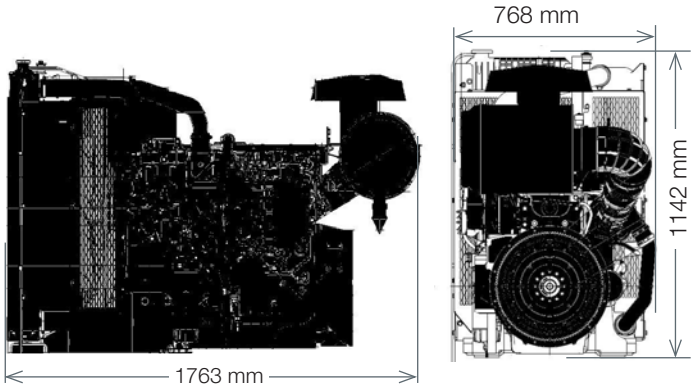

Engine package weights and dimensions		
Length with air cleaner	1763 mm	69.4 in
Width	768 mm	30.2 in
Height	1142 mm	45 in
Weight (dry)	788 kg	1737 lb

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Speed rpm	Type of operation	Typical generator output (Net)		Engine power			
				Gross		Net	
		kVA	kWe	kWm	hp	kWm	hp
1500	Prime power	180	144	166	222	160	214
	Standby (maximum)	200	160	183	245	177	237

Percent of prime power	Fuel consumption at 1500 rpm g/kWh	Fuel consumption at 1500 rpm l/hr
110%	210.3	47.4
Prime power	211.3	43.4
75%	221.2	34.0
50%	235.1	24.1
25%	240.9	12.4

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