1100 Series 1106D-E70TAG3 Diesel Engine - Electropak

137 kWm prime power / 158 kWm standby power @ 1500 rpm 159 kWm prime power / 178 kWm standby power @ 1800 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-E70TAG3 Perkins has engineered even higher levels of reliability, yet lowered the cost of ownership.

1100A units are designed for territories that do not require compliance to EPA or EU emissions legislation. These engines are assembled around optimal, efficient manufactuing processes with state-of-the-art technology. They are built to provide the exact power solution for customers who sell their applications into lesser regulated countries.

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



- The Perkins® 1106D-E70TAG3 delivers up to 172 kVA standby at 50 Hz and 153 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 provides comprehensive warranty cover for two years (up to 3,000 hours), with three years on major engine components
- A low usage warranty package is also available



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

Discover more

www.perkins.com/esc

www.perkins.com/distributor
To find your local distributor

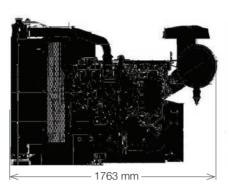
	Type of Operation	Typical Generator Output (Net)		Engine Power			
Engine Speed rpm				Gross		Net	
i piii		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	150	120	137	184	131	176
1500	Standby (maximum)	172	138	158	212	152	204
1000	Prime Power	170	136	159	214	150	202
1800	Standby (maximum)	191	153	178	239	169	227

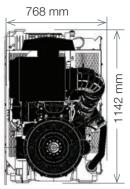


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Engine specification

- 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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Fuel Consumption							
Frains Cross		1500 rpm	1	1800 rpm			
Engine Speed	kW	g/kWh	l/hr	kW	g/kWh	l/hr	
110% of Prime Power	162.8	210.1	40.9	183.6	209.0	45.9	
Prime Power	148.2	212.0	37.5	167.0	212.1	42.3	
75% of Prime Power	111.1	223.2	29.7	125.3	231.7	34.7	
50% of Prime Power	74.1	229.2	20.3	83.6	238.7	23.8	
25% of Prime Power	37.1	246.1	10.9	41.8	260.2	13.0	

Engine data

Number of cylinders	Vertical in-line 6 cylinder
Bore and stroke	105 x 135 mm (4.13 x 5.31 in)
Displacement	
Aspiration	Turbocharged aftercooled
Cycle	4 stroke
	Direct injection
Compression ratio	16.8:1
Engine rotation	Anti-clockwise viewed on flywheel
Cooling system	Liquid
Total lubrication capacity	
Total coolant capacity	21 litres (5.5 US gal)
Dimensions - Length with air of	cleaner1763 mm (69.4 in)
Width	768 mm (30.2 in)
Height	1142 mm (45 in)
Dry weight	

Final weight and dimensions will depend on completed specification

Perkins Engines Company Limited

Peterborough PE1 5FQ Photographs are for illustrative purposes only and may not United Kingdom reflect final specification. Telephone +44 (0)1733 583000 All information in this document is substantially correct at time of printing and may be altered subsequently. Fax +44 (0)1733 582240 Publication No. PN3072/08/14 Produced in England www.perkins.com



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