# 1100 Series 1106A-70TG1 Diesel Engine - Electropak

123.7 kWm prime power / 136.9 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 1106A-70TG 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® 1106A-70TG1 delivers up to 150 kVA standby at 50 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 a mechanical 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 1106A 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
- 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

Perkins<sup>®</sup>

THE HEART OF EVERY GREAT MACHINE

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

Engine Speed rpm	Type of Operation	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	135.0	108.0	123.7	165.9	118.7	159.2
	Standby (maximum)	150.0	120.0	136.9	183.6	131.9	176.9

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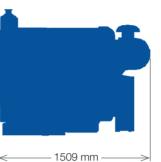
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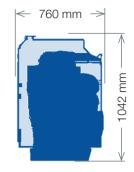
123.7 kWm prime power / 136.9 kWm standby power @ 1500 rpm



### **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





Fuel Consumption					
Engine Creed	1500 rpm				
Engine Speed	g/kWh	l/hr			
110% of Prime Power	205.9	33.8			
Prime Power	203.0	30.2			
75% of Prime Power	204.5	22.7			
50% of Prime Power	213.9	15.9			
25% of Prime Power	242.7	9.0			

### Engine data

Number of cylinders	
Bore and stroke	105 x 135 mm (4.13 x 5.31 in)
Displacement	
Aspiration	Turbocharged aftercooled
Cycle	
Combustion system	Direct injection
Compression ratio	
Engine rotation	Anti-clockwise viewed on flywheel
Cooling system	Liquid
Total lubrication capacity	
Total coolant capacity	
Dimensions - Length with air of	cleaner 1509 mm (59.4 in)
Width	
Height	
Dry weight	

### Perkins Engines Company Limited

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