# 1100 Series 1106D-E70TAG2 Diesel Engine - Electropak

131 kWm prime power / 145 kWm standby power @ 1500 rpm 157 kWm prime power / 166 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-E70TAG2 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.

### Dependable power

- The Perkins® 1106D-E70TAG2 delivers up to 157 kVA standby at 50 Hz and 143 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	
		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	142	114	131	176	125	168
	Standby (maximum)	157	126	145	194	139	186
1800	Prime Power	169	135	157	210	148	198
	Standby (maximum)	178	143	166	223	157	210



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THE HEART OF EVERY GREAT MACHINE

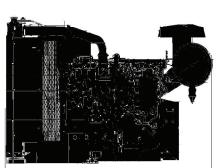
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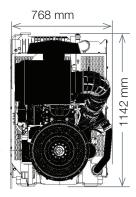




- Tropical radiator pipes and guards •
- Flywheel housing •
- Flywheel and starter ring •
- Oil filters •
- Starter motor .
- Air cleaners and brackets .
- Lubricating oil sump •
- Alternator •
- Induction manifolds
- Exhaust manifolds
- Fuel filter •
- Cold start aid •
- Engine mountings •



1763 mm



Fuel Consumption									
	-	1500 rpm	1 I	1800 rpm					
Engine Speed	kW	g/kWh	l/hr	kW	g/kWh	l/hr			
110% of Prime Power	149.5	213.0	37.8	171.0	212.1	43.1			
Prime Power	135.8	216.6	35.0	155.6	214.6	39.7			
75% of Prime Power	101.8	229.6	27.8	116.7	231.4	32.1			
50% of Prime Power	67.9	233.7	18.9	77.8	240.3	22.2			
25% of Prime Power	33.9	250.0	10.1	38.9	263.9	12.2			

### Engine data

Number of cylinders Vertical in-line 6 cylinder				
Bore and stroke 105 x 135 mm (4.13 x 5.31 in)				
Displacement 7.01 litres (428 cubic in)				
Aspiration Turbocharged aftercooled				
Cycle4 stroke				
Combustion systemDirect injection				
Compression ratio 16.8:1				
Engine rotationAnti-clockwise viewed on flywheel				
Cooling systemLiquid				
Total lubrication capacity 16.5 litres (4.36 US ga				
Total coolant capacity				
Dimensions – Length with air cleaner 1763 mm (69.4 in)				
Width				
Height				
Dry weight				
Final weight and dimensions will depend on completed specification				

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