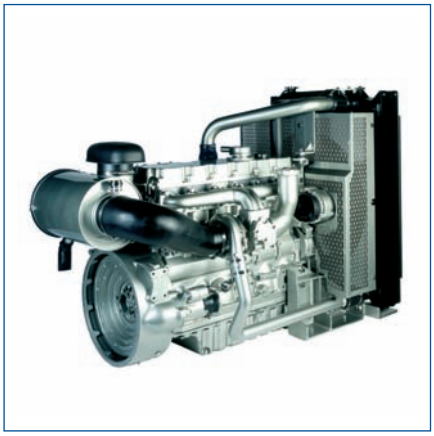


The 1106C-E66TAG ElectropaKs are the latest addition to Perkins 1100 Series Electric Power line-up. Offering improved power density from a compact package, these ElectropaK's build on Perkins reputation within the Power Generation Industry.

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.

Hitting the key power nodes required by the market, the 1106C-E66TAG product line-up consists of three models offering a power solution for both Prime and Standby applications, in 50 Hz and 60 Hz territories.

1100 Series

1106C-E66TAG4

Diesel Engine - ElectropaK

173.4 kWm @ 1500 rev/min
192.3 kWm @ 1800 rev/min

Power to Meet your Needs

Hitting the key power nodes required by the market, the 1106C-E66TAG4 ElectropaK has been developed to provide a clean and cost effective power solution.

State of the Art Design

The 1106C-E66TAG4 incorporates the latest common-rail fuel system technologies with a closely optimised air-management system which is overseen by the latest generation of electronic engine control. This allows the 1106C ElectropaK range to deliver high power density, low exhaust emissions with the minimum of heat rejection and excellent fuel economy.

Worldwide Power Solution

The 1106C has been designed to be worldwide fuel tolerant, including kerosene, jet aviation fuel and 5% biofuel (RME). Options are available to meet local market needs.

World-class Product Support

At Perkins we are constantly researching, developing and investing in our products and services. Total worldwide support is provided through a network of 4,000 distributors and service outlets, providing access to over 50,000 parts and exchange units 24 hours a day, 365 days a year. This support is enhanced by TIPSS (The Integrated Parts and Service System). TIPSS enables customers to electronically specify and order parts as well as service 1106C engines with online guides and service tools.

Long-term Power Solution

The 1106C-E66TAG ElectropaK range has been designed to fully comply with EU Stage II emissions regulations, providing an emissions compliant power solution for the future.

Certified against the requirements of EU2007 legislation for non-road mobile machinery, powered by constant speed engines (EU97/68/EC Stage II).

Engine speed (rev/min)	Type of Operation	Typical generator output (net)		Engine power			
				Gross		Net	
		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime	180.0	144.0	163.7	219.6	156.7	210.1
	Standby (maximum)	200.0	160.0	180.4	242.0	173.4	232.6
1800	Prime	200.0	160.0	185.7	249.0	173.7	233.0
	Standby (maximum)	219.0	175.0	204.3	274.0	192.3	257.9

The above ratings represent the engine performance capabilities to conditions specified in ISO 8528/5
Derating may be required for conditions outside the test conditions; consult Perkins Engines Company Limited
Generator powers are typical and are based on typical alternator efficiencies and a power factor
Fuel specification: Consult Perkins Engines Company Limited (various fuel specifications are available)
Lubricating oil: multi-grade oil conforming to API-CH4/CI4 must be used
Rating Definitions
Prime Power: Power available at variable load in lieu of a main power network. Overload of 10% is permitted for 1 hour in every 12 hours' operation
Standby (maximum): Power available at variable load in the event of a main power network failure. No overload is permitted

Publication No.1863/10/06 Produced in England

1100 Series
1106C-E66TAG4

Standard ElectropaK Specification

Air inlet
- Mounted air filter and turbocharger

Cooling system
- 27” belt-driven pusher fan and guards
- Radiator (incorporating air-to-air charge cooler + fuel cooler)
- Water pump

Electric system
- 12 volt starter motor
- 12 volt, 100 amp alternator with DC output

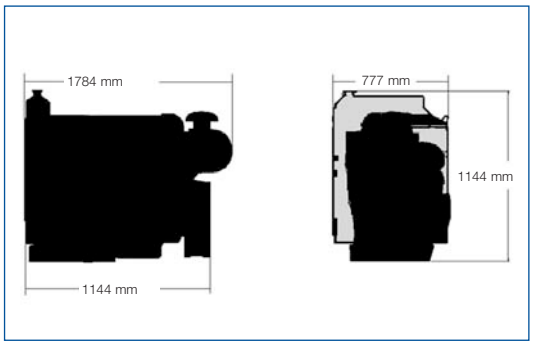
Flywheel and housing
- High inertia flywheel
- SAE2 flywheel housing

Fuel system
- Electronic governing (confirms to Class G3 ISO 8528-5)
- Fuel filter

Literature
- User’s Handbook

Lubrication system
- Flat-bottomed isolated aluminium sump
- Oil filter

Start aids
- Glow plugs



Fuel Consumption		
Engine Speed	1800 rev/min	
	g/kWh	l/hr
Standby	213.4	51.9
Prime power	219.3	48.5
75% of prime power	223.5	37.1
50% of prime power	237.2	26.2
At 25% of prime power	254.2	14.0

General Data

Number of cylinders	6 in-line
Bore and stroke	105 mm x 127 mm
Displacement	6.6 litres
Aspiration	Turbocharged air-to-air charge cooled
Cycle	4 stroke
Combustion system	Direct injection
Compression ratio	16.2:1
Rotation	Anti-clockwise viewed on flywheel
Cooling system	Water
Dimensions	Length 1784 mm*
	Width 777 mm
	Height 1144 mm
Dry weight	714 kg
Wet weight	757 kg

* Length includes air cleaner
Final weight and dimensions will depend on completed specification

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