



400 Series 403A-15G2 Diesel Engine - ElectropaK

15 kWm @ 1500 rev/min 18 kWm @ 1800 rev/min



The 400 Series engine family continues to set new standards in the compact engine market. Developed alongside customers to fulfill their needs in the Genset, Compressor, Agricultural and general Industrial markets.

These new ElectropaKs provide compact power, from a robust family of 3 and 4 cylinder diesel engines designed to provide economic and durable operation at Prime and Standby duties, hitting the key power nodes required by the power generation industry.

Powered by your needs

 The 403A-15G2 ElectropaK is a powerful but quiet 1.5 litre naturally aspirated 3-cylinder compact package

Compact, Clean, Efficient Power

 Design features on the 400 Series ElectropaKs ensure clean rapid starting in all conditions whilst delivering impressive performance, with low operating costs, in a small, efficient package size.

Lower Operating Costs

- Approved for operation on biodiesel* concentrations of up to 20%.
- Oil and filter changes are 500 hours, dependent on load factor.
- Engine durability and reliability, the warranty offering and ease of installation combine to drive down the cost of ownership.

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.

Engine Speed	Type of Operation	Typical gnerator Output (Net)		Engine Power				
				Gross		Net		Low Idle
		kVa	kWe	kWm	bhp	kWm	bhp	
1500	Prime Power	15	12	14	18	13	18	N/A
	Standby Power	17	13	15	20	15	20	N/A
1800	Prime Power	18	14	16	22	16	21	N/A
	Standby Power	20	16	18	24	18	24	N/A

The above ratings represent the engine performance capabilities to conditions specified in ISO 8528/1, ISO 3046/1:1986, BS 5514/1. Derating may be required for conditions outside these; consult Perkins Engines Company Limited. Generator powers are typical and are based on typical alternator efficiencies and a power factor (cos 0) of 0.8. Fuel specification: BS 2869: Part 2 1998 Class A2 or ASTM D975 D2.

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. Photographs are for illustrative purposes only and may not reflect final specification.

All information in this document is substantially correct at time of printing and may be altered subsequently

400 Series 403A-15G2

Standard ElectropaK Specification

Air Inlet

Mounted air filter

Fuel System

- Mechanically governed cassette type fuel injection pump
- Split element fuel filter

Lubrication System

- Wet steel sump with filler and dipstick
- Spin-on full-flow lub oil filter

Cooling System

- Thermostatically-controlled system with belt driven coolant pump and pusher fan
- Mounted radiator, piping and guards

Electrical Equipment

- 12 volt starter motor and 12 volt 15 amp alternator with DC output
- Oil pressure and coolant temperature switches
- 12 volt shut off solenoid energised to run
- Glow plug cold start aid and heater/starter switch

Flywheel and Housing

- 1500 rev/min
- High inertia flywheel to SAE J620 Size 190.5 mm (7½ in) Heavy
- Flywheel housing SAE 4 Long

Mountings

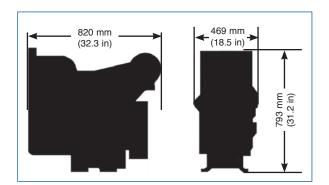
Front mounting bracket

Optional Equipment

- Operation and Maintenance Manual
- Parts Book

Option Groups

A selection of optional items is available to enable you to prepare a specification precisely matched to your needs.



Fuel Consumption						
Engine Opend	1800 rev/min					
Engine Speed	g/kWh	l/hr				
Standby	270	6				
Prime Power	250	5				

General Data

Number of cylinders Cylinder arrangement Cycle Aspiration Combustion system Compression ratio Bore and Stroke Displacement Direction of rotation Cooling system Total coolant capacity Total lubrication system capacity Length

197 kg (434.3 lb)

Final weight and dimensions will depend on completed specification.

Perkins®

Perkins Engines Company Limited

Peterborough PE1 5NA United Kingdom Telephone +44 (0)1733 583000 Fax +44 (0)1733 582240 www.perkins.com

Distributed	by
-------------	----

Width

Height

Total weight (dry)

All information in this document is substantially correct at time of printing and may be altered subsequently Publication No. 2009/02/12 Produced in England ©2012 Perkins Englines Company Limited