



1100 Series 1103A-33TG1 Diesel Engine - ElectropaK

45.6 kWm at 1500 rpm
53.9 kWm at 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 1103A-33TG1 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 units are able to meet TA111 legislation.

Compact, Efficient Power

- 1100 Series is the result of an intensive period of customer research that has guided the development of the range.
- The new 3.3 litre cylinder block ensures bore roundness is maintained under the pressures of operation. It also ensures combustion and mechanical noise is lowered.
- A new cylinder head has re-established Perkins mastery of air control.

Quality by Design

- Product design and Class A manufacturing improvements enhance product reliability while maintaining Perkins legendary reputation for durability.

Cost Effective Power

- Compact size and low noise.
- Lower fuel consumption and oil use.
- 500 hour service intervals.
- 2 year warranty.

Product Support

- Perkins actively pursues product support excellence by ensuring our distribution network invest in their territory - strengthening relationships and providing more value to you, our customer.
- 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 fingertips covering technical information, parts identification and ordering systems, all dedicated to maximising the productivity of your engine.
- Throughout the entire life of a Perkins engine, we provide access to genuine OE specification parts and service. We give 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 (rev/min)	Type of Operation	Typical generator output (net)		Engine power			
		kVA	kW _g	Gross		Net	
1500	Prime power	45.0	36.0	43.2	58.6	41.3	55.4
	Standby power	49.6	39.7	46.5	62.4	45.6	61.2
1800	Prime power	53.1	42.5	50.5	67.7	48.9	65.6
	Standby power	58.7	46.9	55.6	74.6	53.9	72.3

The above ratings represent the engine performance capabilities to conditions specified in ISO 8528/1, ISO 3046/1:1996, ISO 9001:2001.
Derating may be required for conditions outside these, contact Perkins Engines Company Limited.
Generator power, 60 Hz and 50 Hz based on an average efficiency and a power factor cos φ of 0.8.
Fuel specification, ISO 24469 Part 2 (EN 590 Class A2) or EN 590:200
 Lubricating oil, 15W/40 to API-CD/4.

Rating Definitions
Prime power: Variable load, unlimited hours/usage with an average load factor of 80% of the published prime power over each 24 hour period. A 10% overload is available for 1 hour in every 12 hours of operation.
Standby power: Variable load, limited to 500 hours annual usage, up to 100 hours of which may be continuous running. Not overload is permitted.

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

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Perkins 1103a Workshop Manual

Léo Pomar



Perkins 1103a Workshop Manual:

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