

Power Generation

Clip-on Generator



Equipment Overview

The clip-on genset is a electric generator which is mounted onto the side of the reefer supplying electrical power during transportation or at final location if no electrical power is available.

The clip-on genset is proven worldwide, is well known for its high efficiency, requiring less energy which ultimately offers significant cost savings. A clean but powerful diesel engine provides a totally reliable and extremely economical source of energy.

The engine meets the toughest environmental regulations and offers a reliable source of electric power with low emissions, no matter how high the ambient temperature or how sensitive the cargo product.

The clip-on can be used for both DNV 2.7-1 and ISO/CSC design/ manufacture of reefer containers.



Specifications & Key Features

Specifications		Key Features
Make	Thermo-King	- A tried and tested diesel engine employs low pressure mechanical fuel injection to generate 15kW and deliver dependable power supply no matter how tough the conditions
Model	SG-3000	
Engine	TK diesel engine	- Advanced control systems allow constant monitoring and early fault detection
Fuel Type	No.2 diesel (under normal conditions)	
Rotational Speed	1890+/-10 RPM - 1560 + 10-0 RPM	- The SG+ microprocessor controller provides: Pre-trip checks and advanced diagnostics to eliminate unscheduled maintenance
Generator	460/230 Vac, 3 phase 60HZ	
Output Power	15 kW	- Fuel monitoring where abnormal conditions will be flagged
Apparent Power	18.75 kVA	
Rotational Speed	1800 RPM	- Auto-restart feature protecting cargo
Electrical System	SG+ microprocessor controller	
Battery	12V, 925 CCA at - 18°C (0°F)	- Fuel is a significant and increasing contributor to operating cost. The SG range uses an enhanced operation mode (EcoPower™) to deliver more than 20% fuel savings, when compared with competitor products
Fuel Tank Capacity	Included, 473 liters (125 gal)	
Weight	818 kgs (1804 lbs)	- Diesel tank built into structure holding 473 litres of fuel
Dimensions	2.33 m (L) x 0.71 m (W) x 1.05 m (H)	
		- Forklift pockets for ease of hold
		- Two types available - corners clamp attachment and top rail header pin types.

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