



230V~ 50Hz ⊕ △ CE

Electrolux SafeStart 300-serie

Characteristics: Fixed - or Spreader rail

Electrolux no: 301-399

The flange is either cup (A) or disk shaped. A seal is formed between the flange and engine block walls with an O-ring (B) or a rubber gasket.

The heater is fastened to the engine block with a fixed or a spreader rail (D, C), which is fitted against the inside walls of the engine block, and a nut/sealing nut to secure the rail. This method is also used if there is not enough space around the heating element for a press fit heater (000/100 series) and also for aluminium engines.

Tests made on a medium size vehicle, shows that a 600W 000-serie heater will increase the coolant temperature approx 50oC related to the outdoor temperature when connected in 195 minutes at an outdoor temperature of -17oC or colder. After 195 minutes the system has achieved thermal balance.

Longer heating time than 195 minutes at -17oC or colder is energy dissipation. For that reason we recommend you to use a timer. Please look at the product sheet for Electrolux Smart- Start™ or Electrolux Futura.

Electrolux AS is conforming to the requirements of both ISO 9001-2008, ISO 14001:2004 and OHSAS 18001:2007. In addition to this, our engine heaters and cables are conforming to the requirements of ISO/ TS 16949:2002.

Item number

Electrolux number series from 411301 to 411399.

Weight: Varies depending on diameter and size.

Up to 25-pack. Varies with the size of the heater.

Part of

Engine pre-heater is supplied separately because of special adapted solutions

for a variety of engines and vehicles.

Installation

Install the heater according to the enclosed installation guide.

Install **ONLY** the heater on vehicles listed in the installation guide.

Installing Electrolux heaters must only be executed by authorized garages.

Usage

Normal usage - Electrolux engine heaters is dimensioned for "normal usage".

Electrolux defines "normal usage" as; 3 connections for 3 hours pr. 24 hour based upon 150 users days a year (5 months a year).

Professional usage - It is necessary to make a yearly function control and if necessary install a new heater to obtain necessary extent of service on emergency vehicles or power supplies where the heater is connected more or less 24/7. This yearly service cost will not be covered by Electrolux AS.

Pulse power - Some car parking areas are using interval (pulse) power timers turning the power On and Off several times per hour. Using Electrolux engine heater in suchlike parking facilities will not be considered as "Normal use" and claims will be declined.

Technical specifications

Voltage [V]	230
Power [W]	550-1530
IP rating	IP44
Testing & acceptance	EMKO-TUB(61)NO 293/91 EMKO-TUB(61)NO293A94

