



230V~ 50Hz ⊕ △ CE X

## Electrolux SafeStart 600-series

Characteristics: Oil heater

Electrolux no: 601-699

The heaters are used for air-cooled engines and/or in combination with an engine heater for the coolant.

For large vehicles with ample-sized oil pans, the heated part (A) of the element is placed directly in the oil. Oil heaters can be divided into two different groups:

- Heaters for which the element is installed in place of the lid or cap on the oil pan.
- Heaters which are installed in the threaded hole in the oil pan.

Also see Series 800 for indirect heating of the oil inside the oil pan. 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 no.: From 411600 and 411699  
Weight: Varies depending on diameter and size.  
Up to 25-pack. Varies with the size of the heater.

### Part of

The engine heater is not delivered in the Electrolux WarmUp box. 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]	175-340
IP rating	IP44
Testing & acceptance	EMKO-TUB(61)NO 293/91 EMKO-TUB(61)NO293A94

