



230V ~ 50Hz ⊕ △ CE

Electrolux SafeStart 200 series

Characteristics : Threaded flange

Electrolux no: 201-299

This heaters are made to be used in threaded (A) core plugs in the engines water jacket (B). The active heater element has to be surrounded with coolant in the water jacket (B).

A seal is formed between the flange and engine block walls with conical threads, an O-ring and a gasket or packing compound. In most cases, the flange is also designed so that the heating element is locked in position while the flange is rotated (B). The heater flanges within this series are disc shaped or head shaped.

Tests made on a medium size vehicle, shows that a 600W 200-series heater will increase the coolant temperature approx 50°C related to the outdoor temperature when connected in 195 minutes at an outdoor temperature of -17°C or colder. After 195 minutes the system has achieved thermal balance. Longer heating time that 195 minutes at -17°C or colder is energy dissipation. For that reason we recommend you to use a timer. Please look at the product sheet for Electrolux SmartStart™ 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 no.: From 411201 to 411299.

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]	600-1530
IP rating	IP44
Testing & acceptance	EMKO-TUB(61)NO293/91 EN60335-1, EMKO-TSB(61)NO293A94

