



ADB Virtual Fair

Nursultan Kazakhstan – 03 September 2020

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World leading supplier of electric vehicle heating and charging solutions

- Calix have more than 50 years of experience in designing and manufacturing on-board electric heating and charging solutions for the automotive industry



Calix AB

Located in Eskilstuna Sweden

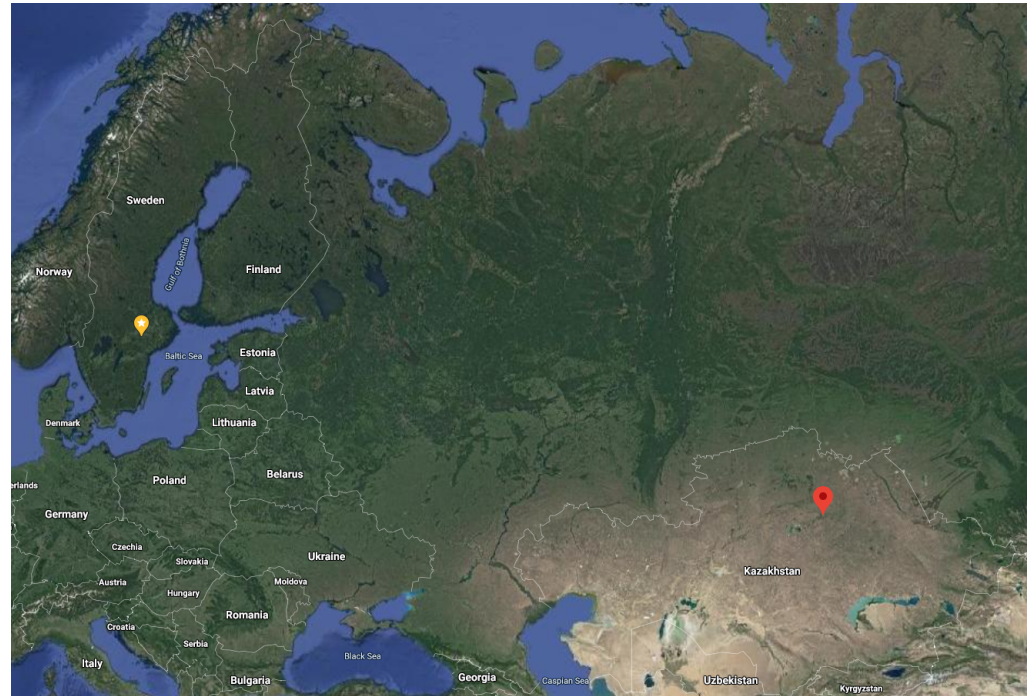
- HQ
- Development
- Production
- Marketing & Sales

Business areas:

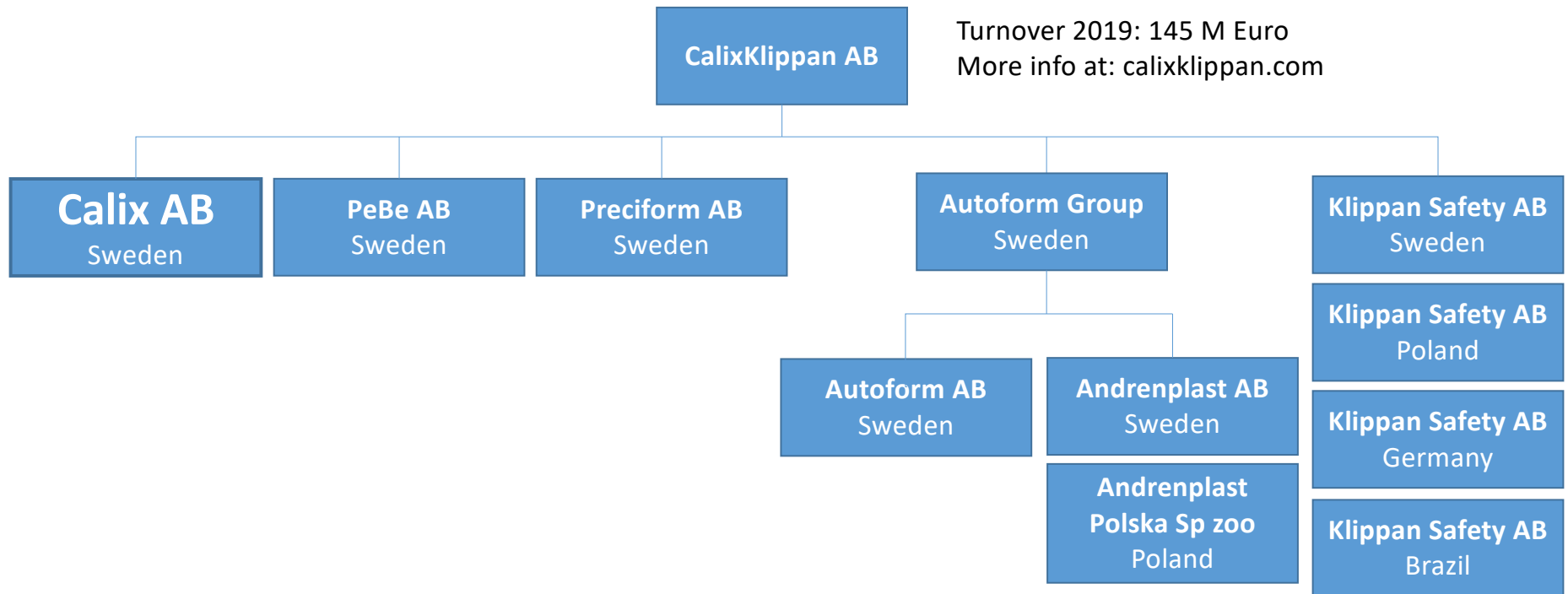
- OEM Cars
- OEM Commercial vehicles
- Aftermarket

Main markets:

- Northern Europe
- Canada

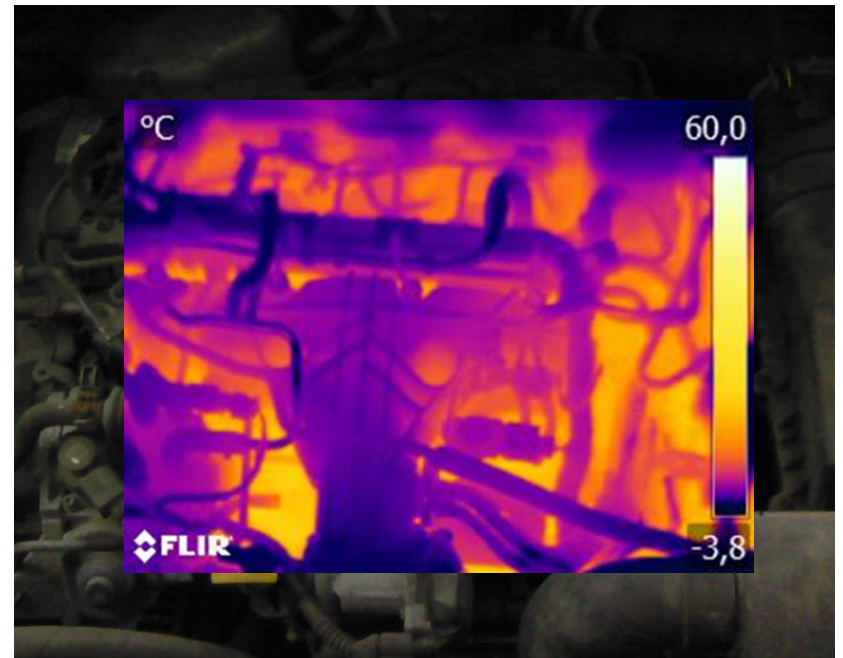


CalixKlippan Group

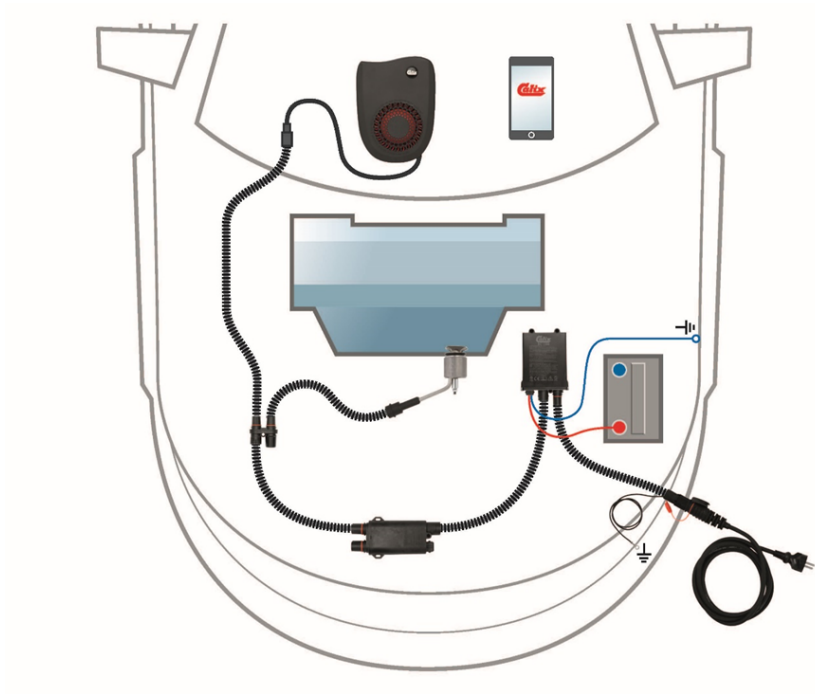


Why do you need a electric heating system for your vehicle?

- Environmental care
- Comfort
- Reliability, cold weather start
- Care of your vehicle
- Safety



Calix offer a high quality, modular, plug and play system



Block heaters



Cables



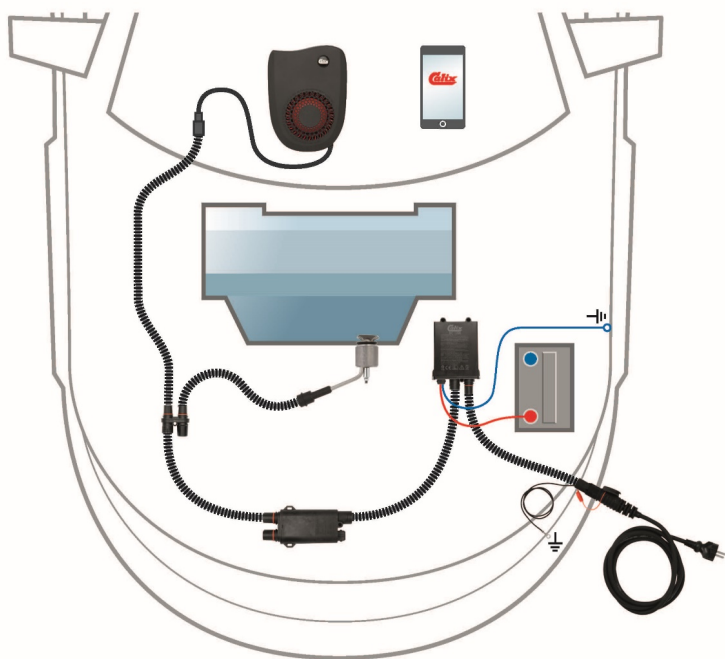
Cab heaters



Battery chargers



Optimised installation guidelines for most cars on the market



Select language: English

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[Products](#)
[Vehicles](#)
[Locate dealer](#)
[Calix](#)
[Support](#)
[Installation instructions](#)
[Contact us](#)

Search products - Cars

Search Products - Other Vehicles

Product news

Product data sheets

Engine heaters

Cab heaters

Battery chargers

Timer

Cables

Comfort Kit

Tools

Accessories & Spare parts

Search products - Car

- Choose brand and model to see matching items
- Choose heater / assembly kit to see matching vehicles

RENAULT

Scénic IV

Choose engine heater

and / or

Choose assembly kit

Installation time:
 1, 2 and 3 indicates estimated installation time for the engine heater with inlet cable. Estimated installation time is normative, and can vary from one mechanic to another.

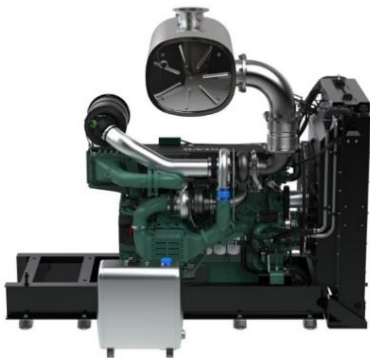
 1= >1,5H
 2= 1,5-2H
 3= 2H+

For more information, please click on a car. Calix is not responsible for possible errors in the table.

	2017-	H5F	RE 744	-	6	1525	2.5	1
Scénic IV 1.5 dCi	2016-2017.02	K9K Euro6	RE 815	-	6	1025	2.5	1
Scénic IV 1.5 dCi 110	2017.03-	K9K	RE 918	-	6	1025	2.5	1

Approx: 250 vehicles tested every year

Commercial vehicles and industrial engines



CalixKlippan

Calix

Calix, Product Quality

- All heater and charging products are approved for assembly in engine compartment by a mechanic according to:
 - Swedish standard: SS 428 08 69 (replacing EN 50066)
 - Finnish standard: SFS 7502 (replacing EN 50066)No requirement for qualified electrician for safe installation of 250Vac/16A system in a vehicle
- All products are tested and certified by Intertek Semco according to all European safety standards of electric installations in vehicles



Calix, Managing Quality

- Developed and produced by Calix AB in Eskilstuna Sweden according to the high quality requirements set by the Automotive industry
 - To fulfil the product quality requirements set by the Automotive industry Calix is certified, by DNV, according to the Automotive industry own quality management system IATF 16949:2016
 - Calix are also certified according Environmental management system ISO 14000
- Calix AB have got several rewards for supplying excellent quality from several leading companies in the automotive industry.
 - GM Quality award 2017, 2018 and 2019
 - Volvo Cars Quality Excellence Award 2017
 - KGK Supplier Award 2017



Distribution network



Calix distributor since 2013

Facts about our distributor

- 20+ years experience in pre-heating
- Tech & warranty support in Russian
- OE & Aftermarket competence

**20
YEARS**

- Distribution stock in Moscow
- 15 employers
- Installation trainings



- Distribution in all EAEU countries
- Over 50 authorized installation centers
- 3 in Kazakhstan



Additional information

Block heaters optimized for most cars on the market

- >400 variants of block heaters for 230V or 115V supply
- >200 active variants of assembly kits
- Yearly production: approx. 300 000 units



High quality modular cable system

- Made for installation in the rough environment in the engine compartment and temperatures $< -40^{\circ}\text{C}$
- Approved and certified for use in 230V and 115V systems.
- Yearly production: approx. 1 000 000 meters



WaveLine cab heaters

- Easy installation
- Self adjusting based on surrounding temperature
- Max capacity
 - 800W-2000W (230V)
 - 1000W (115V)



Robust and intelligent chargers

- Made for on-board installation
- Intelligent charging
 - High efficient switch technology
 - Charging current adjusted based on surrounding temperature
 - Automatic switch to maintenance charging mode when battery is fully charged
- For 12V, 2A – 30A and 24V, 5A – 20A maximum charging current



Wide range of accessories



Timers

- Manual
- Bluetooth



Relays



Circulation pump



Mounting accessories



Thermostats