

E-LITE, E-Series for Van & LCV

# Mini electric. Massive performance.



FULL-ELECTRIC, SINGLE AND MULTI-TEMPERATURE REFRIGERATION UNITS  
FOR VANS AND LIGHT COMMERCIAL VEHICLES

# Content

## E-LITE

<b>All-electric cooling with E-Lite</b> Tailored for the modern last mile	P. 03
<b>Light, compact, versatile</b> Designed to reduce complexity and operating costs	P. 04
<b>Flexible installation</b> The freedom to fit any application	P. 05
<b>All-electric last mile refrigeration</b> Full electric. Full power.	P. 06
<b>Technical specifications</b> Details and upgrades	P. 08
<b>Max Your Cool</b> Performance-enhancing services and solutions	P. 14

# Tailored for the modern last mile.

## Where power, versatility and compliance converge

We understand the unique challenges of the last mile – stricter noise and emissions regulations, a high volume of deliveries, dense traffic, and ever-tightening delivery windows. To stay ahead of competition, you need technology that gives you the ultimate edge.

The new E-Lite, the most compact E-Series to date, does exactly that. **Fully electric, fully connected and fully future-proof.**

### THE INNOVATIVE E-LITE MODELS OFFER EVERYTHING THE MODERN LAST MILE REQUIRES:

- **Zero & low emission zone access**  
thanks to 100% electric refrigeration
- **Low-noise area access & night time delivery**  
enabled by ultra low-noise operations
- **Integrated real-time connectivity**  
with industry-leading telematics

Conquer the last mile with the compact, all-electric cooling of E-lite.





# Light, compact, versatile.

With convenience at its core, E-lite offers operational advantages on all fronts. From the drawing board into development, these cooling units are designed to minimize your costs and maximize your uptime.

## LIGHTWEIGHT & COMPACT DESIGN

Small and light, yet robust and durable. The all-aluminium frame design improves both physical and technological reliability while allowing higher payloads per delivery.

## ULTRA LOW NOISE & VIBRATION

Delivers silent comfort and ergonomics to both drivers and anyone nearby.

## LOW MAINTENANCE & HIGH RELIABILITY

A streamlined design with fewer moving parts in a more compact envelope means your maintenance costs go down and your uptime increases.

## EASIER SERVICE

The simplified technology architecture enables quicker maintenance and repair.

## 4 DIFFERENT MOUNTING OPTIONS



REAR POD\*



FRONT POD



ROOF



NOSE

\*Alternate cover for rear pod installations

## The freedom to fit any application.

### SEEKING ULTIMATE FLEXIBILITY?

E-lite works with a wide array of vans or light commercial vehicles (LCV), both in terms of power source and installation choice. Extreme versatility to meet your current and future needs.

### BATTERY-ELECTRIC VEHICLES

Seamless, agnostic BEV integration. Convert high-voltage power from the BEV chassis into a 12/24V output to energize the refrigeration unit, perfectly balancing performance with minimal range impact.

### COMBUSTION ENGINE VEHICLES

An alternator provides power to a battery which in turn connects to the refrigeration unit. Designed to use the minimum amount of energy to run effectively, further saving fuel.



# Full electric. Full power.

E-Lite packs a punch in the smallest form, introducing groundbreaking innovations for all-electric last mile refrigeration. With a focus on simplification, we've engineered a cooling unit that combines reliability with exceptional energy efficiency.

## HIGHLY ENERGY EFFICIENT

Integrated inverter technology adjusts compressor speed to match demand, saving energy and improving temperature control precision.

## CONSTANT COOLING CAPACITY & HOLDOVER FUNCTION

Outstanding performance independent of the vehicle's engine speed. Keep cooling when your vehicle's engine is turned off.

## FAST PULLDOWN AND TEMPERATURE RECOVERY

Intelligent controls ensure precise temperature control with maximum efficiency, even with frequent door openings.

## REVERSE CYCLE TECHNOLOGY

Provides exceptional cooling, heating and defrost performance while improving reliability and system longevity.



FRONT VIEW



RIGHT VIEW

# Technical specifications.

E-LITE MODELS		E-100e ECO	E-100e	E-200e	E-200e SP
TECHNICAL DATA					
Refrigeration capacity: at 30°C ambient atp conditions		Setpoint	Net cooling capacity		
Capacity on engine power (R-134a)	0° C	760	1,020	1,490	-
Capacity on engine power (R-452a)	0° C	-	1,210	2,030	
	-20° C	-	630	1,050	764
Capacity on electric standby 230V/1PH/50Hz (R-134a)	0° C	860	1,100	1,480	-
Capacity on electric standby 230V/1PH/50Hz (R-452a)	0° C	-	1,100	2,070	-
	-20° C	-	540	1,020	783
Heating capacity: at -18°C ambient		Setpoint			
Capacity on engine & standby power (R-452a, 230V/1PH/50Hz)	+18° C	-	1,000	2,000	2,000
Evaporator		ES100	ES100	ES100N	ES100N
Airflow volume	m³/h	950	950	1,030	2 x 880
Width x Depth x Height	(mm)	608 x 490 x 187	608 x 490 x 187	755 x 540 x 187	461 x 537 x 189
Refrigerant					
Charge	R-134a (kg)	0,8	0,8	0,8	-
	R-452a (kg)	-	0,9	1,2	1,4
Weight (standby)					
Condenser (Standby)	kg	40	40	43	43
Condenser (No Standby)	kg	35	35	38	38
Evaporator	kg	9	9	14	18
Total Weight (Standby)	kg	50	50	58	62
Total Weight (No Standby)	kg	45	45	53	57
Condenser					
Width x Depth x Height (Nose)	(mm)	880 x 569 x 248		880 x 569 x 248	
Width x Depth x Height (Rear Pod)	(mm)	860 x 530 x [227 E-100e Fan]		860 x 530 x [242 E-200e Fan]	
Controller					
DSR 3 Width x Depth x Height	(mm)	135 x 25 x 46		135 x 25 x 46	
Electrical					
Standby Voltage / Phase / Frequency options	230V : 1PH : 50/60Hz			230V : 1PH : 50/60Hz	
Total current consumption (R-134a)	12V DC (A)	47	63	96	-
Total current consumption (R-452a)	12V DC (A)	-	88	132	131
Sound pressure level					
Sound pressure level with compressor full speed	dB(A)	62	62	62	62

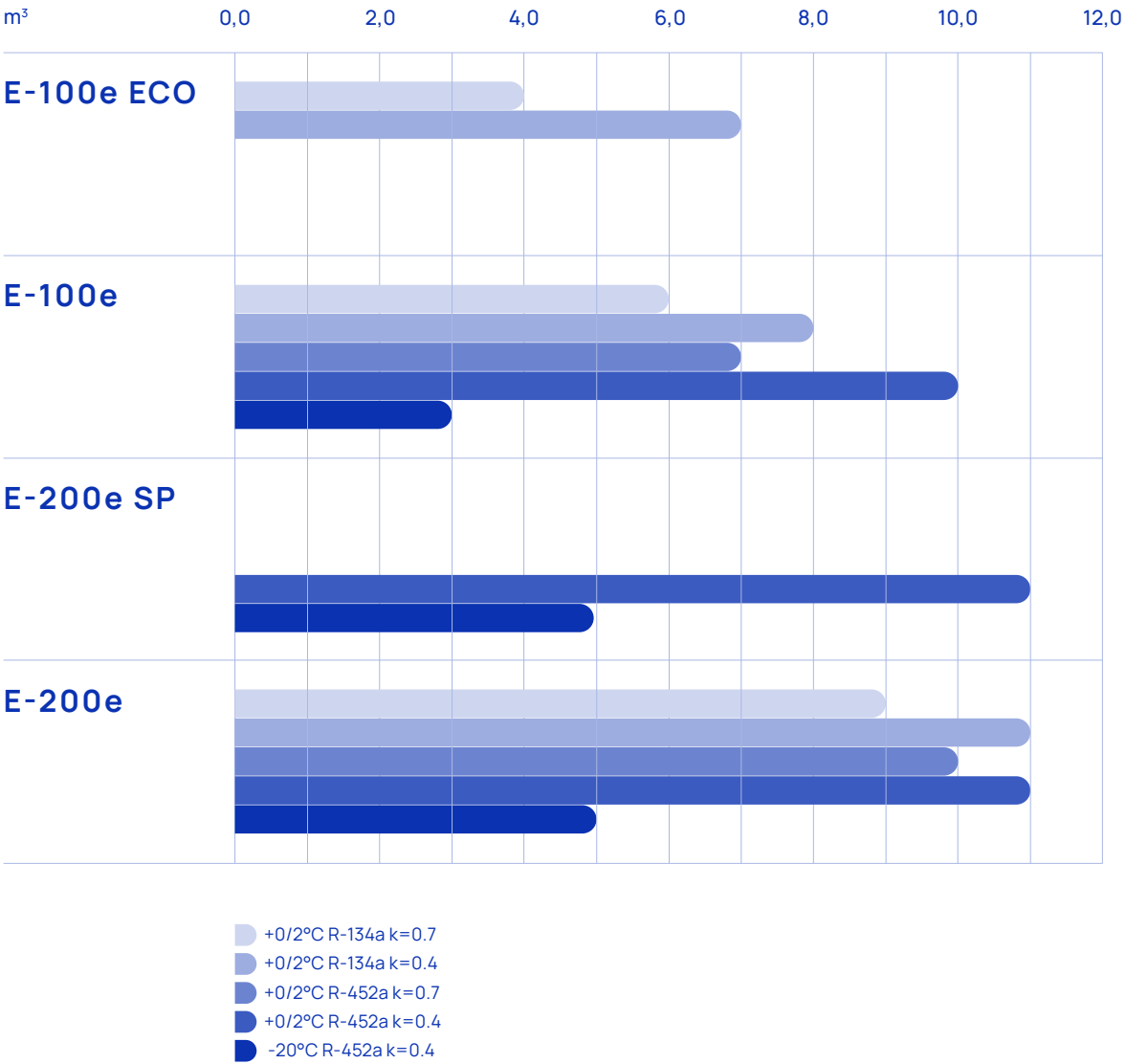
# E-series for Vans & LCV.

## Unit selection guide.

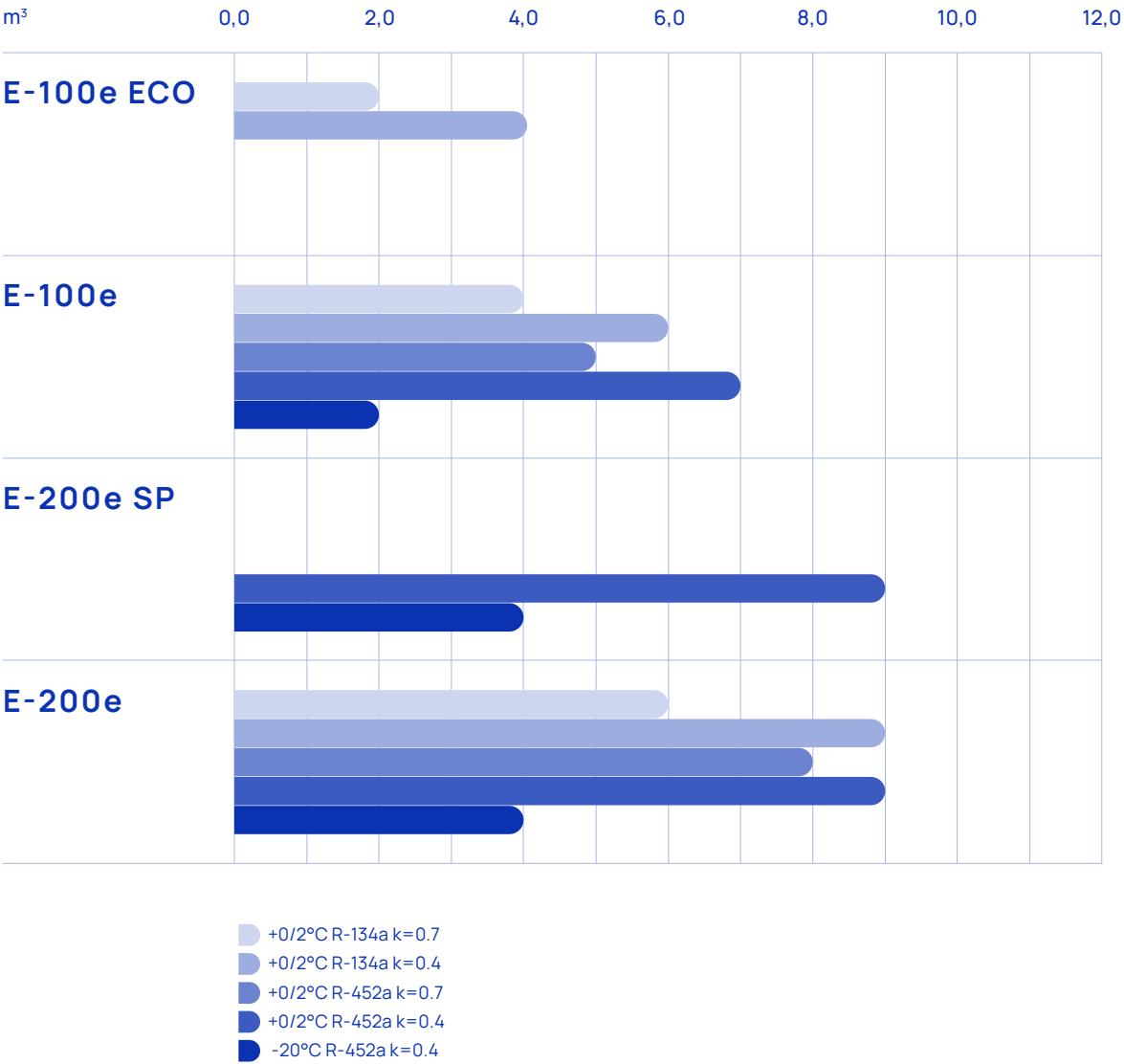
These tables are a guide to select the right unit that could match your application for both fresh or frozen foods. The figures shown are maximum vehicle volumes in m³ for single and multi-temperature applications, calculated in road operation using different cooling gases at 30°C/40°C ambient temperature.

+0/2°C: 2 brief door openings per hour, k-factor 0.7 W/m²K (FNA)  
+0/2°C: 2 brief door openings per hour, k-factor 0.4 W/m²K (FRC)  
-20°C: 2 brief door openings per hour k-factor 0.4 W/m²K (FRC)

AMBIENT TEMPERATURE 30°C



AMBIENT TEMPERATURE 40°C



# Unit upgrades & options.

MODELS		10	20	MAX 10	MAX 20	MAX 30	MAX 50
E-100e ECO		●	●				
E-100e		●	●	●	●	●	●
E-200e		●	●	●	●	●	●
E-200e SP						●	●
Unit configuration							
Default unit configuration	Refrigerant	R-134a	R-134a	R-404a / R-452a	R-404a / R-452a	R-404a / R-452a	R-404a / R-452a
	Voltage	12V	12V	12V	12V	12V	12V
	Defrost		●	●	●	●	●
	Standby	—	●	—	●	—	●
	Heating	—	—	—	—	●	●
	Power Pack	—	230V : 1PH : 50/60Hz	—	230V : 1PH : 50/60Hz	—	230V : 1PH : 50/60Hz
	Nose / Roof / Front Pod Cover	●	●	●	●	●	●
Life cost management							
Unit options	ThermoKare Service Contract			□			
	Data capture & communications						
	Blue Box Lite			○			
	TouchLog (Independent Data Logger)			○			
	TrackIng			□			
	Customization						
	Rear Pod Cover	○	○	○	○	○	○
	DIN Adapter	○	○	○	○	○	○
	Door Switch	○	○	○	○	○	○
	Hose Cover	○	○	○	○	○	○
	Fan Cover	○	○	○	○	○	○
	Condenser Installation Template	○	○	○	○	○	○
	Evaporator Installation Template	○	○	○	○	○	○
	Harness Extension TouchPrint 7m	○	○	○	○	○	○
	High Roof Installation Bracket Kit	○	○	○	○	○	○
	Harness Extension 2m / 4m / 6m	—	—	—	◆	—	◆
	Hose Extension 2m / 4m / 6m	—	—	—	◆	—	◆

● Standard feature   ○ Option: Factory supplied   □ Option: Dealer supplied   ◆ Spectrum/Multi-Temp Units Only   — Not Available

Final values are subject to change after ATP testing is completed.



# Performance-enhancing services & solutions



Don't settle for less, when you can take it to the max. With a complete range of smart services and digital solutions, Thermo King helps you maximize uptime, sustainability, savings and control all throughout your operations. Keep your unit performance up, and your worries down. All day, every day.

## LOOKING FOR YOUR MAX?

Thermo King's certified dealers are at your service 24/7 and our network is available all across Europe. Visit our website to locate your closest dealer.



Get your max at  
[europe.thermoking.com/  
max-your-cool](https://europe.thermoking.com/max-your-cool)

- + **MAXIMIZE YOUR UPTIME**  
Avoid costly downtime and keep your units going and earning for longer.
- + **MAXIMIZE YOUR SUSTAINABILITY**  
Limit your fleet's footprint and save smart on energy.
- + **MAXIMIZE YOUR SAVINGS**  
Reduce service and maintenance costs, and maximize your units' residual value.
- + **MAXIMIZE YOUR CONTROL**  
Monitor and maintain critical cargo quality at every step of your journey.



## GAIN MAXIMUM INSIGHT WITH TRACKING TELEMATICS

Keep an eye on your unit while it's out on the road. With Thermo King's TrackKing-e, part of our **Connected Solutions** portfolio, you stay updated on every aspect of your unit, in real-time. Track performance, keep an eye on temperatures and get immediate notification in the case of problems. **Two-way communication** allows you to respond quickly and remotely change settings when needed.

## Mix and max.

With a complete range of smart services and digital solutions, Thermo King helps you **maximize your uptime, sustainability, savings, and control** throughout your operations. From industry-leading telematics to customizable service agreements and performance-enhancing upgrades. **Explore the building blocks of our integrated portfolio right below.**



### CONNECTED SOLUTIONS

Proactively **manage** your fleet and **monitor** your unit and cargo conditions from any location.



### UPGRADES

Enhance **fleet performance** with a vast array of original Thermo King upgrades.



### SERVICE CONTRACTS

Maximize **uptime** with quality maintenance, fast response times and 24/7 dealer support.



### GENUINE PARTS

Avoid the costs of poor repairs and insist on **genuine replacement** and **remanufactured parts**.



E-LITE

# All-electric refrigeration units for Vans and LCVs.

## POWERFUL ELECTRIC PERFORMANCE

Powerful, precise and 100% electric. Deliver your products fresh and perfectly conserved with constant cooling capacity, fast pulldown and quick temperature recovery.

## THE FREEDOM TO FIT ANY APPLICATION

Gain greater flexibility with 4 different mounting options, plus the freedom to fit both BEV and ICE vans and light commercial vehicles.

## COMPACT, COST-EFFECTIVE DESIGN

A simplified, lightweight design reduces complexity and operating costs, and leaves only benefits for your bottom line.

## MADE FOR THE ALL-ELECTRIC LAST MILE

Upgrade your fleet with a fully future-proof solution that enables zero-emission, ultra low-noise and connected operations.



Head to  
[europe.thermoking.com](https://europe.thermoking.com)  
to find out more!



**THERMO KING**

Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938.

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