

# S-30-e

Sustainable, electric HVAC solution  
for passenger comfort

HVAC HEAT PUMP HEATING & COOLING SOLUTIONS  
FOR MIDI AND MINI BUSES





## S-30—e

# The all-electric solution for comfortable, sustainable journeys.

### LIVABLE CITIES

Quiet, Comfortable, and Sustainable  
The S-30—e all-electric HVAC system is a cornerstone of today's vision for livable cities. Designed with cutting-edge technology, it combines exceptional efficiency, environmental sustainability, and unparalleled passenger comfort.

### PASSENGER COMFORT, ANY WEATHER

The S-30—e is engineered to perform flawlessly in even the most extreme weather conditions. Whether facing scorching summer heat or biting winter cold, it maintains optimal cabin temperatures, ensuring a comfortable and enjoyable journey for passengers across the EMEA region.

### EFFICIENCY AND SUSTAINABILITY

Designed with a deep commitment to reducing energy consumption, the S-30—e is the perfect choice for minimizing your carbon footprint. Its efficient operation ensures that you can heat or cool your vehicle without compromising on comfort or sustainability.

### THE FUTURE OF HVAC

**The S-30—e offers a reliable, efficient, and environmentally friendly HVAC solution that sets a new standard for passenger comfort. By choosing the S-30—e, you're not just investing in a product; you're contributing to a more sustainable future.**

S-30-e

# Electric heat pump solution for unmatched comfort and efficiency.

Our specially designed electric heat pump is the perfect solution for mini and midi buses, rail vehicles, and other special-purpose applications. This innovative technology offers a superior level of passenger comfort while delivering exceptional energy efficiency.

## EASY INSTALLATION

Our modular design allows for quick and easy installation, minimizing downtime.

## RELIABLE AND DURABLE

Built to last, our heat pumps are engineered for long-term performance and reliability.

## HIGH CAPACITY

With a generous capacity, our heat pumps can efficiently meet high demands.

## FAST PULL DOWN

Enjoy rapid temperature changes, ensuring optimal comfort for passengers.

## PTC HEATING OPTION

Optional PTC (Positive Temperature Coefficient) heating provides additional warmth in extreme conditions.

## VERSATILE APPLICATIONS

Suitable for a wide range of vehicles, from buses to rail and special-purpose applications.

## HIGH COP (COEFFICIENT OF PERFORMANCE)

S-30-e allows for longer driving ranges and reduced energy consumption.

## FLEXIBLE POWER SUPPLY

Compatible with both DC and AC power sources, ensuring compatibility with various vehicle types.



# 100% electric, 100% compatible.

## ZERO EMISSIONS

Ideal for inner-city journeys, the zero-emission S-30-e allows worry-free entry to LEZ and ZEZ.

## NOISE REDUCTION

The electric S-30-e runs ultra-quiet, reducing noise pollution and improving quality of life for urban residents.

## ENHANCED PASSENGER COMFORT

The ultra-efficient S-30-e meets cooling and heating demands fast while ensuring clean emission-free air and a healthy onboard environment.

# Technical specifications.

MODEL S-30-e

## PERFORMANCE

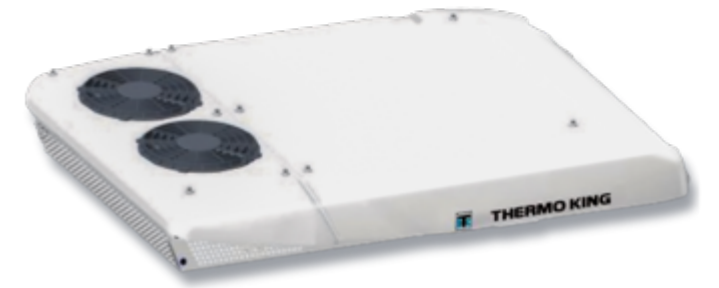
Applicable model		Special Vehicle
Cooling Capacity	kW	7.0 (24885 BTU/h)
Heating Capacity	kW	6.0 (20473 BTU/h)
PTC Heating	kW	2.0 (3824 BTU/h)
Airflow volume	m <sup>3</sup> /h	1800

## TECHNICAL DATA

<b>Weight</b>		
Model Standard	kg	85
<b>Dimensions</b>		
Length x Width x Height	mm	1605 x 1070 x 218
<b>System</b>		
Compressor		DC scroll
Refrigerant		R407C
<b>Power supply</b>		
Standard rated power supply	V DC	400 - 720
Optional rated power supply	ph/V AC/Hz	3 ph/416 V AC/50 Hz
<b>Operating temperatures</b>		
Maximum operating temperature	°C	50
<b>Controller</b>		
Standard controller power supply	V DC	24
Optional controller power supply	V DC	12

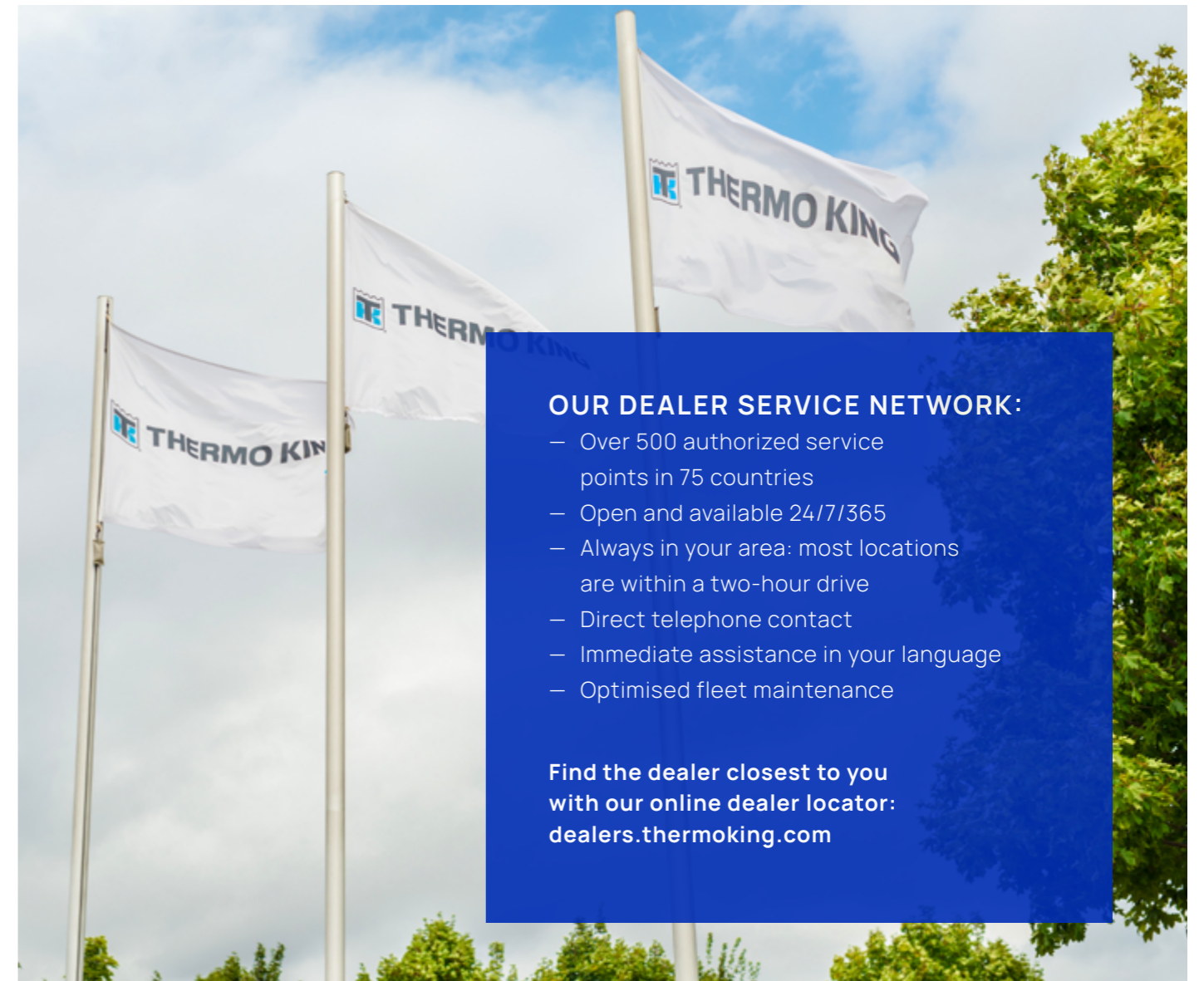
### IMPORTANT

The unit can operate above 300 V DC power supply without impact on capacity, but slight changes are needed in the unit, mainly SW. We can support that based on requirements.



### S-30-e

The highest level of energy efficiency, with unrivaled cooling and heating capacity.



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S-30-e

# All-electric.

## LIVABLE CITIES

The S-30-e all-electric HVAC system offers exceptional comfort, efficiency, and sustainability.

## PASSENGER COMFORT

Enjoy optimal cabin temperatures in any weather.

## EFFICIENCY AND SUSTAINABILITY

Minimize your carbon footprint with the S-30-e's efficient operation.

## THE FUTURE OF HVAC

Choose the S-30-e for a reliable, comfortable, and environmentally friendly solution.



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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The logo for Trane Technologies, with the word 'TRANE' in a large, bold, serif font and 'TECHNOLOGIES' in a smaller, sans-serif font below it.

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TECHNOLOGIES

