



Advancer

Built from ambition.

SINGLE AND MULTI-TEMPERATURE
REFRIGERATION SOLUTIONS FOR TRAILERS



TRANE
TECHNOLOGIES

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Discover the most complete range in trailer refrigeration.

The A-Series range is designed for transport fleets, retailers, and pharmaceutical companies - or any other organization that needs to move diverse loads at precise temperatures in the most efficient way.

Discover the technology to set new levels of performance, cost savings, uptime, and lowered emissions. And secure your ticket to long-term business success. Single- and multi-temperature, fuel, hybrid, full electric or silent as the night; the A-Series range offers the ideal refrigeration solution that fits your fleet.



Discover the benefits of the A-Series with the TK Advancer Reality APP



Download on the App Store



GET IT ON Google Play

ADVANCER SINGLE TEMPERATURE

Precise trailer refrigeration with hallmark fuel efficiency.

Stay ahead of competition with Advancer Single Temp, the standard in refrigerated transport. Designed to deliver one of the fastest pulldowns on the market, optimal airflow and remarkable fuel efficiency. Whatever your fleet ambition, Advancer is built for it.

RADICAL FUEL SAVINGS
Up to 30% more fuel-efficient.

UNRIVALLED COOLING EFFICIENCY
Engine-independent airflow for consistent performance.

STAY LONGER ON THE ROAD
Up to 60% reduction in unscheduled servicing.

ECOMODE
Achieve greater cost savings and tight temperature management.

AVAILABLE IN



A-360
ENTRY ALL-ROUND MODEL
A powerful engine, full variable airflow and precise temperature control.



A-400
STANDARD MODEL
With electronic engine speed control and extra features to boost fuel efficiency.



A-500
FLAGSHIP MODEL
The highest level of fuel efficiency, refrigeration capacity, and temperature management.



30%
Up to 30% more fuel-efficient

40%
Faster pulldown

30%
Lower environmental impact

Turning efficiency into a competitive advantage.

With Advancer Single Temperature we pushed innovation to its very limit, so you can go beyond market averages and stand out in both performance and efficiency. Take your operations to the next level by investing in excellence.

THE RIGHT TEMPERATURE FOR EVERY CARGO

Find the perfect balance between load protection and fuel consumption with fully adjustable airflow. By separating fan speed from engine speed, you gain more control to set **precise airflow conditions for each load and delivery scenario.**

FLEXIBLE AIRSPEED, FASTER PULLDOWN

Advancer Single Temperature transfers power to the compressor more efficiently, enabling more power from the engine to be transformed into actual cooling capacity. The result? **A pulldown that is up to 40% faster and requires up to 30% less fuel per trip.**

ECOMODE

A feature that provides tighter temperature control than when in Cycle Sentry mode, with reduced fuel consumption compared to continuous mode.



EASIER, SAFER, SMARTER

Make your life easier with an **intelligent fleet**, including intuitive, driver-friendly controllers and proactive telematics. Access in-depth fuel consumption data, automatically analyzed and turned into recommendations guiding you towards the 'next best action' for any notification.

DESIGNED FOR TOMORROW

Reduce your CO₂ emissions by up to 30% and lower your environmental impact up to 65%, while meeting all European regulations. Hit the road with a fully power agnostic unit, capable of operating on diesel, hybrid or axle power sources. And confidently anticipate future compatibility with either a generator or an axle and battery combination.

LOWER MAINTENANCE COSTS

Extend uptime with a truly impressive **maintenance interval of 3,000 hours**, as well as a reduction in maintenance costs by up to 30%.

Technical specifications.

A-SERIES MODELS			A-360		A-400		A-500	
PERFORMANCE								
Refrigeration capacity: system net cooling capacity at 30 °C ambient temperature under A.T.P. Conditions								
Return air temperature to evaporator	@ Nominal Airflow (Default @ Pull Down)	°C	0	-20	0	-20	0	-20
Capacity on engine power		W	15 600	8 100	16 200	8 300	19 500	10 400
Capacity on electric standby		W	12 700	6 600	13 000	6 800	14 600	8 400
Heating capacity: box temperature +2 °C								
Capacity on engine power	Outside air temperature: -20°C	W	10 750		10 750		15 900	
Airflow: independent from unit engine speed selectable within range @ set point & pull down								
Airflow volume @ 0 Pa static pressure	Default @ Pull Down	m³/h	5 000		5 000		5 500	
	Default @ Set Point	m³/h	3 400		3 400		3 400	
TECHNICAL DATA								
Weight – including battery								
Model Standard		kg	830		830		830	
Dimensions								
Width x Depth x Height		mm	2 076 x 440 x 2 270		2 076 x 440 x 2 270		2 076 x 440 x 2 270	
Engine								
Maintenance Interval		hrs	3 000		3 000		3 000	
Number of cylinders			4		4		4	
Capacity		l	2.1		2.1		2.1	
Sound pressure level								
High Speed Diesel		dB(A)	65		65		65	
Electric Standby		dB(A)	64		64		64	

ADVANCER MULTI-TEMPERATURE

Advancer Spectrum: Mastering Multi-Temp.

Deliver whatever you need, no matter how varied the load. With Advancer Spectrum, your fleet runs as optimized and flexible as possible. Control every inch of your trailer while relying on the A-Series efficiency and performance.

PROVEN ADVANCER PERFORMANCE

Fast temperature recovery, radical fuel efficiency, exceptional temperature control.

ULTIMATE FLEXIBILITY

Single temp always, multi-temp whenever you need it.

FUTUREPROOF

Sustainable, power-agnostic multi-temperature cooling with access to ULEZs.

FULL CONTROL

Bespoke multi-temp A-series controller.

AVAILABLE IN



A-500 SPECTRUM

The highest level of fuel efficiency, refrigeration capacity, and multi-zone temperature management.



A-500e SPECTRUM WHISPER PRO

Fully engineless operations for zero-emission, sustainable cooling with multi-temperature capabilities.

Multi-temperature & all-electric

Zero emissions, ultimate flexibility. With ultra-precise multi-zone temperature control, Advancer-e Spectrum brings the ultimate tool for high-performance, emission-free refrigeration. **Deliver whatever you need, wherever you need.**



Unrivalled
Temperature control

Stellar
Fuel efficiency

Also available as
full electric unit
Full flexibility

Unlock the full potential of your fleet.



Freezing cold at the back and only slightly chilly at the front? Or frozen all the way across? Advancer Spectrum enables you to control the temperature(s) across your trailer down to 0.5°C accuracy. A refrigeration trailer designed with your real-world applications in mind.

ULTIMATE FLEXIBILITY

Quickly respond to peak demands by using your box to the fullest. Whatever mix of cargo, you can ship it all in a single trailer. One vehicle to access all parts of the supply chain: from the last mile to the highway.

REMOTE EVAPORATORS

Reach every inch of your trailer with our remote evaporators, significantly increasing your cooling capacity.

TAILORED TEMPERATURE CONTROL

Gain total control of your cargo and your fleet with two different cooling modes, designed to make your life a lot easier:

- **Continuous mode:** Tight temperature control for sensitive cargo, such as pharma and fresh products.
- **Cycle sentry mode:** Maximum fuel saving for products that require less strict temperature control.

Technical specifications.

MODEL		A-500 SPECTRUM	
PERFORMANCE			
Refrigeration capacity: system net cooling capacity at 30 °C ambient temperature under A.T.P. Conditions			
Return air temperature to evaporator	°C	0	-20
Capacity on engine power	W	20 220	10 000
Capacity on electric standby	W	16 300	7 400
Airflow: independent from unit engine speed selectable within range @ set point & pull down			
Airflow volume @ 0 Pa static pressure	Default @ Pull Down	m³/h	5 400
	Default @ Set Point	m³/h	3 400
TECHNICAL DATA			
Weight – including battery			
Model Standard	kg	840	
Dimensions			
Width x Depth x Height	mm	2 076 x 440 x 2 270	
Engine			
Maintenance Interval	hrs	3 000	
Number of cylinders		4	
Capacity	l	2.1	
Electric stand-by motor			
Voltage / Phase / Frequency		400/3/50 460/4/60	
Rating	kW	9.3	
Sound pressure level (standard unit)			
High Speed Diesel	dB(A)	65	
Electric Standby	dB(A)	64	
Generic			
Box length	m	15	
Refrigerant		R-452A	
Controller		A-Series Controller	
EVAPORATORS			
Capacity 0-30°C			
S3A	W	9 950	
S6A	W	13 650	
S4	W	10 850	
S4.2	W	9 100	
Dimensions width x depth x height			
S3A	mm	1 100 x 1 000 x 200	
S4	mm	2 x (760 x 1 000 x 200)	
S6A	mm	2 x (1 100 x 1 000 x 200)	
S4.2	mm	1 250 x 988 x 152	

MODEL		A-500e SPECTRUM WHISPER PRO	
PERFORMANCE			
Refrigeration capacity: system net cooling capacity at 30 °C ambient temperature under A.T.P. Conditions			
Return air temperature to evaporator	°C	0	-20
Capacity on electric power	W	15 800	7 800
PeaK Mode	W	15 300	7 800
Airflow: independent from unit engine speed selectable within range @ set point & pull down			
Airflow volume @ 0 Pa static pressure	Default @ Pull Down	m³/h	4 550
	Default @ Set Point	m³/h	3 400
TECHNICAL DATA			
Weight – including battery			
Model Standard	kg	615	
Dimensions			
Width x Depth x Height	mm	2 076 x 440 x 2 270	
Electric stand-by motor			
Voltage / Phase / Frequency		400/3/50	
		460/3/60	
Rating	kW	9.3	
Sound Pressure level: PeaK Mode			
Electric Standby	dB(A)	60	
Generic			
Box length	m	15	
Refrigerant		R-452A	
Controller		A-Series Controller	
EVAPORATORS			
Capacity 0-30°C		electric standby	PeaK
S3A	W	8 500	8 400
S4	W	10 400	10 300
S6A	W	12 600	12 400
Dimensions Width x Depth x Height			
S3A	mm	1 100 x 1 000 x 200	
S4	mm	2 x (760 x 1 000 x 200)	
S6A	mm	2 x (1 100 x 1 000 x 200)	

ADVANCER ELECTRIC

Advancer—e: All-Advancer, All-Electric.

The trailer refrigeration industry is transitioning to a cleaner and more sustainable future. Take the first step towards full electrification with this engineless Advancer—e, compatible with alternative power sources. A unit that's fully emission-free and extraordinarily efficient.

FULL-ELECTRIC OPERATIONS

Save fuel and increase fleet sustainability with zero-emission refrigeration.

LOW NOISE

Absence of engine reduces sound for urban and late-night deliveries.

LIGHTWEIGHT

Absence of an engine reduces total weight of the vehicle and fuel consumption.

FUTUREPROOF

Fully compatible with conventional and alternative power sources.

AVAILABLE IN



A-500e

Futureproof your fleet with engineless, zero-emission cooling.



**A-500e
SPECTRUM
WHISPER PRO**

Fully engineless operations for zero-emission, sustainable cooling with multi-temperature capabilities.

**All-electric,
Full Flexibility**

Access LEZ and ULEZs with zero emission refrigeration and deliver at night with our PeaK certified Multi-temperature unit. A solution for all your needs.



Full electric
100% engineless

Save 10 tons CO₂
Per year per unit*

Full flexibility
Available in single & multi-temperature

* Depending on usage profile and ambient conditions

Your partner in the switch to electric.

Advancer—e opens the door to a fully carbon-neutral fleet and helps you prepare for future regulations. Make your fleet compatible to fit about any power source, today or in the future.



ALTERNATOR-POWERED

Alternator technology for electrically driven cooling. Run your electric unit via a high-performance and high-efficiency alternator driven by the vehicle's engine.



AXLE-POWERED

Power your unit with energy recovered and stored by an axle and battery pack. A smart power recovery system that lets you run your cooling unit with recaptured, zero-emission energy, generated by your vehicle's axle.

BATTERY-POWERED

Various battery packs to run your unit 100% electrically. No fuel, no emissions.

A sustainable all-electric fleet.

- **Zero-emission:** Grant your fleet access to ultra-low emission zones without worry. Each unit can reduce your fleet's carbon footprint by up to 10 tons of CO₂ per year (depending on usage profile and ambient conditions).
- **Low noise:** Perform urban and late-night deliveries without making a sound, thanks to the engineless design.

Technical specifications.

MODEL		A-500e Whisper Pro		
PERFORMANCE				
Refrigeration capacity: system net cooling capacity at 30 °C ambient temperature under A.T.P. Conditions				
Return air temperature to evaporator	@ Nominal Airflow (Default @ Pull Down)	°C	0	-20
Capacity on engine power		W	15 800	7 900
Airflow: independent from unit engine speed selectable within range @ set point & pull down				
Airflow volume @ 0 Pa static pressure	Default @ Pull Down	m³/h	4 600	
	Default @ Set Point	m³/h	3 400	
TECHNICAL DATA				
Weight – including battery				
Model Standard		kg	590	
Dimensions				
Width x Depth x Height		mm	2 076 x 440 x 2 270	
Electric stand-by motor				
Voltage / Phase / Frequency			400/3/50	
			460/4/60	
Rating		kW	9.3	
Sound pressure level (standard unit)				
Electric Standby		dB(A)	60	
Generic				
Box length		m	15	
Refrigerant			R-452A	
Controller			A-Series Controller	

ADVANCER WHISPER PRO

So quiet you can hear your customers smile.

Deliver any kind of fresh product, without waking up a soul. The Advancer Whisper Pro is your Peak certified ticket to enter the city at night, quietly traversing the last mile at less than 62 dB(A). Silent enough to comply with the most stringent inner-city noise regulations, powerful enough for the highest cooling capacity.

- NIGHTTIME DELIVERIES**
Compliant with the most stringent noise regulations, including Peak.
- MOST EFFICIENT ROUTE**
Skip rush hour and save time with nighttime deliveries.
- PEACE OF MIND**
Automatically switch to low-noise with geofencing.
- NO COMPROMISES**
The highest cooling capacity and all Advancer benefits.

AVAILABLE IN



A-500
WHISPER PRO

Unrivaled fuel efficiency, refrigeration capacity, with ultra-silent operations.



A-500
SPECTRUM
WHISPER PRO

Unrivaled fuel efficiency, refrigeration capacity, with ultra-silent operations and multi-zone temperature control.



A-500e
SPECTRUM
WHISPER PRO

Full electric version, unrivalled refrigeration capacity, with ultra-silent operations in single and multi-temperature.



Enter the city at night
Less than 62 dB(A) – Peak certified

14% faster distribution routes
Operate outside rush hours

No driver intervention
Switches to low noise automatically

Technical specifications.

MODEL

A-500 WHISPER PRO

PERFORMANCE			
Refrigeration capacity: system net cooling capacity at 30 °C ambient temperature under A.T.P. Conditions			
Return air temperature to evaporator	°C	0	-20
Capacity on engine power	W	18 200	10 000
Capacity on electric standby	W	12 400	8 400
PeaK Mode	W	13 800	6 900
Airflow: independent from unit engine speed selectable within range @ set point & pull down			
Airflow volume @ 0 Pa static pressure	Default @ Pull Down	m³/h	5 000
	Default @ Set Point	m³/h	3 400
TECHNICAL DATA			
Weight – including battery			
Model Standard	kg	830	
Dimensions width x depth x height			
	mm	2 076 x 440 x 2 270	
Engine			
Maintenance Interval	hrs	3 000	
Number of cylinders		4	
Capacity	l	2.1	
Sound Pressure level: PeaK Mode			
High Speed Diesel	dB(A)	62	
Electric Standby	dB(A)	60	

MODEL

A-500 SPECTRUM WHISPER PRO

PERFORMANCE			
Refrigeration capacity: system net cooling capacity at 30 °C ambient temperature under A.T.P. Conditions			
Return air temperature to evaporator	°C	0	-20
Capacity on engine power	W	18 700	10 000
Capacity on electric standby	W	15 300	7 450
PeaK Mode	W	13 550	6 000
Airflow: independent from unit engine speed selectable within range @ set point & pull down			
Airflow volume @ 0 Pa static pressure	Default @ Pull Down	m³/h	5 300
	Default @ Set Point	m³/h	3 400
TECHNICAL DATA			
Weight – including battery			
Model Standard	kg	840	
Dimensions			
Width x Depth x Height	mm	2 076 x 440 x 2 270	
Engine			
Maintenance Interval	hrs	3 000	
Number of cylinders		4	
Capacity	l	2.1	
Electric stand-by motor			
Voltage / Phase / Frequency		400/3/50 460/4/60	
Rating	kW	9.3	
Sound Pressure level: PeaK Mode			
High Speed Diesel	dB(A)	62	
Electric Standby	dB(A)	60	
Generic			
Box length	m	15	
Refrigerant		R-452A	
Controller		A-Series Controller	
EVAPORATORS			
Capacity 0-30°C		S3A	S6A
Capacity on engine power	W	8 900	14 000
Capacity on electric standby	W	8 400	11 900
PeaK Mode	W	8 000	10 600
Dimensions width x depth x height			
S3A	mm	1 100 x 1 000 x 200	
S6A	mm	2 x (1 100 x 1 000 x 200)	

POWER SOURCES

An extensive range of clean and sustainable power sources.

The A-Series technology enables you to optimize the energy usage of your fleet, without compromising on cooling capacity or operational performance. Invest in a more sustainable refrigeration unit that easily adapts to a variety of power sources, tailored to your refrigeration needs.

GREENTECH

LOWER EMISSIONS, HIGHEST PERFORMANCE

Achieve extraordinary reductions in fuel use and emissions with this advanced diesel technology. Compliant with the most stringent EU standards.

HYBRID DRIVE

BEST OF BOTH WORLDS

Enjoy unmatched long-haul performance along with complete inner-city access. Slash your fuel emissions with this entry ticket to any city center, now and in the future.

AXLEPOWER

POWERED BY THE ROAD

Power your refrigeration unit by the road, and run your refrigeration unit on electric all the time. Fully sustainable refrigeration with maximum fleet flexibility.

BE-TECH

BATTERY-POWERED INNOVATION FOR ALL-ELECTRIC REFRIGERATION

Combine sustainability and performance with full-electric refrigeration.



GREENTECH

GREENTECH

Lower emissions, highest performance.

Transform your fleet into a fuel efficiency champion with Advancer GreenTech diesel engines. This technology enables you to drastically reduce emissions, waste and noise pollution, and comply with the most stringent EU standards. All thanks to advanced diesel technology, compatible with biodiesel and Hydrotreated Vegetable Oil.

THE CLEANEST ENGINE ON THE MARKET

Reduce up to 90% of greenhouse gas emissions with second-generation biofuel HVO. This higher quality renewable biofuel for diesel engines allows for much more environmentally sustainable operations and a lower impact to inner cities air quality.

AVAILABLE ON



ADVANCER SINGLE-TEMPERATURE

The standard in refrigerated transport with ultra-efficient operations and fully variable airflow.

ADVANCER MULTI-TEMPERATURE

Ultra-precise multi-zone temperature control to unlock the full potential of your fleet.

Self-charging energy recovery system.

Not a single drop of energy goes to waste. That's the ambition behind the AxlePower technology. Easily recover energy from the rolling of the wheels and braking, so you can use it to power your trailer refrigeration unit electrically.

SMART POWER MANAGEMENT

Proprietary Smart Power Management software in partnership with BPW.

FLEXIBLE TRAILER COOLING

Mix and match trailers thanks to a tractor-independent system.

UNLIMITED ACCESS

Deliver in ultra-low emission zones and noise-regulated zones. Anytime, anywhere.

AVAILABLE ON



ADVANCER

The standard in refrigerated transport with ultra-efficient operations and fully variable airflow.

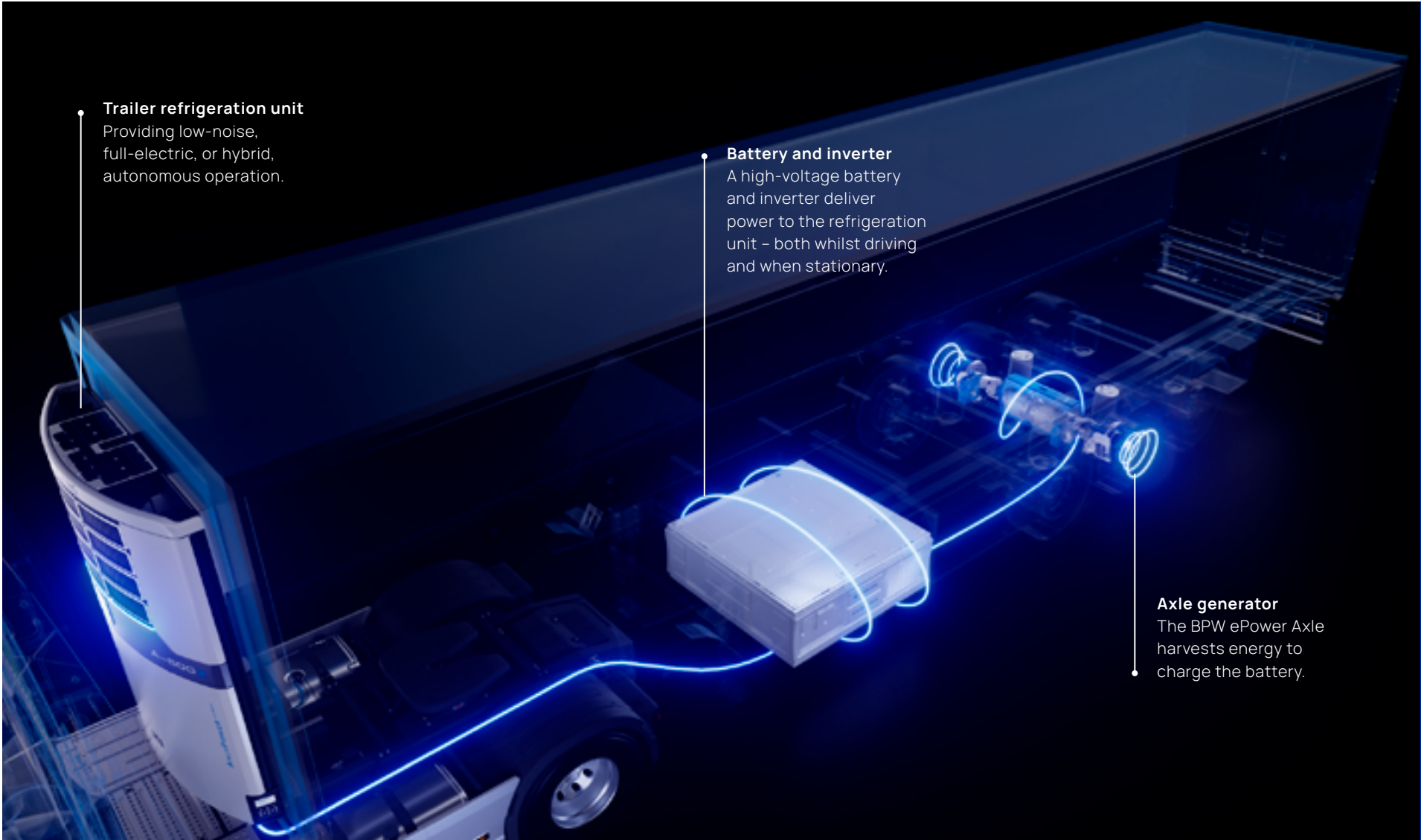
Ultra-precise multi-zone temperature control to unlock the full potential of your fleet.



ADVANCER ELECTRIC

The first all-electric Advancer that enables zero emission.

All the benefits of Advancer, with fully electric operation.



70-100%
fuel saving per refrigeration unit

100%
Electrical use of your refrigeration unit

100%
Emission-free refrigeration

No range anxiety
Break away from the charging infrastructure and stay on the road

Refrigeration powered by free and sustainable energy.

Cut down on fuel usage with electric low-noise power generation. And capture the full potential of electric cooling while enabling full fleet flexibility on all operational levels.

During routine operation, power is captured and stored in the AxlePower Energ-e Pack. With our propriety **Smart Power Management** software, AxlePower automatically switches to the right charging mode, without driver intervention.

MIX AND MATCH TRAILERS AND TRACTORS

AxlePower is mounted entirely on the trailer. Thanks to this tractor-independent design, you can mix and match it with any tractor on your fleet, regardless of tractor power source. Diesel, LNG, CNG, hydrogen or fully electric? No matter your choice of tractor, AxlePower is unaffected.

SUSTAINABLE IN EVERY WAY

Your refrigeration unit draws power from the **Energ-e pack, running 100% on electric power.** That means less noise, less emissions and less fuel.

Deliver anytime, anywhere with Advancer AxlePower. Pair with our Whisper Pro Peak compliant models for late night deliveries.

SMART MADE SIMPLE

Track your battery performance in real time with **Connected Solutions.**

No more worrying about running out of power, but in-depth monitoring, reporting and automation of your battery status via the TrackiNG web portal.



Smart Power Management

AxlePower automatically switches to the right charging mode, depending on your journey.

PASSIVE MODE

When there is ample battery charge or when the refrigeration vehicle is transporting non-temperature sensitive products.

RECUPERATION MODE

Recover energy when the tractor is braking or going downhill, charging up the battery and providing you with zero-emission energy to power the unit.

ACTIVE MODE

When there is insufficient battery charge and energy generation to power the unit. The engine pulls a little harder, with a minimal increase in power required from the engine, so the activated axle generators can maintain speed and harvest enough power.

ACTIVE FAST CHARGE MODE

Adapted to more demanding usage profiles, with a less favorable [distance traveled/ stationary time] ratio, ensuring the availability of maximum autonomy before each stationary operation phase.

HYBRIDDRIVE

Switch from diesel to electric.

Use one unit to perform urban as well as interregional deliveries. Advancer's sustainable HybridDrive seamlessly switches between diesel and electric, offering you the best of both worlds.

FUTUREPROOF

Compatible with major alternative fuel sources: CNG, LNG, biofuel.

LONGER UNIT LIFE

Fewer engine operating hours to keep your unit longer in prime condition.

PEACE OF MIND

Easily enter inner-cities with automatic geofencing.

AVAILABLE ON



**ADVANCER
SINGLE-TEMPERATURE**

The standard in refrigerated transport with ultra-efficient operations and fully variable airflow.



**ADVANCER
MULTI-TEMPERATURE**

Ultra-precise multi-zone temperature control to unlock the full potential of your fleet.



90%

Emissions cut for full access in urban areas

5 000 liters

Save up to 5 000 liters of fuel per unit per year on interregional deliveries

13 500 kg

Reduce up to 13 500 kg of CO₂ emissions per unit per year

BE-TECH

Battery-powered innovation.

Go all out in your goal to combine sustainability and performance, with fully-electric refrigeration units. Reduce your fuel consumption while upping your sustainability - without compromising on reliability.

This technology plugs directly into your BEV's battery or connects to an external battery for 100% emission free cooling, with limited impact on your (e-)vehicle range.

Our battery solutions are highly modular and effortlessly fit onto your vehicles to provide an emission-free alternative or backup to engine-power!

- FUTURE-READY**
Meet urban access regulations both day and night.
- PLUG-AND-PLAY**
Quick and easy installation.
- HIGH EFFICIENCY**
Lowest impact on (vehicle) battery autonomy.

AVAILABLE ON



ADVANCER

The standard in refrigerated transport with ultra-efficient operations and fully variable airflow. Ultra-precise multi-zone temperature control to unlock the full potential of your fleet.



ADVANCER ELECTRIC

Futureproof your fleet with engineless, zero-emission cooling.



100%
Electric operations:
emission-free refrigeration

19 kWh to 105 kWh
Highly modular,
to fit your needs

24/7
Access to the last mile

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.

- + 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.

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)



GAIN MAXIMUM INSIGHT WITH TRACKING TELEMATICS

Keep an eye on your unit while it's out on the road. With Thermo King's TrackKing, 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.

Every A-Series unit includes a **free two-year subscription** to our Connected Solutions service. Included in the purchase price are all the hardware and software needed to get the service up and running from day one.

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**.

CONNECTED SOLUTIONS

Gain maximum insight and control

In the demanding world of refrigerated transport, real-time visibility and control are not just advantages—they are necessities. With Thermo King's TracKing telematics, part of our comprehensive **Connected Solutions portfolio**, you get a powerful platform designed to maximize uptime and protect your valuable cargo.

OPERATIONAL VISIBILITY AND CONTROL

The platform delivers comprehensive data necessary for **maintaining the integrity of the cold chain and maximizing unit uptime**.

1 PERFORMANCE MONITORING

Unit status, engine hours, and operational efficiency are tracked to support preventative maintenance scheduling and performance analysis.

2 TEMPERATURE LOGGING

Continuous monitoring of setpoints and cargo temperatures establishes a defensible, auditable record of conditions, which is essential for compliance and liability management.

3 PROACTIVE ALERTING

Immediate notification upon detection of system faults or critical condition deviations allows for rapid diagnostic assessment and resolution.

TWO-WAY COMMUNICATION CAPABILITY

A key functional feature is the system's two-way communication. This capability allows fleet managers to execute vital adjustments remotely, eliminating reliance on manual intervention:

Remote Adjustments: Operational parameters, including temperature setpoints and unit modes, can be modified instantly and remotely.

Rapid Intervention: This functionality enables a swift and precise response to unforeseen changes in operational requirements or transport conditions.

STANDARDIZED INTEGRATION AND DEPLOYMENT

Every A-Series unit includes a **two-year subscription to the Connected Solutions service**.

This integration is designed to be seamless; all required hardware and software are included in the purchase price, ensuring the telematics service is **fully functional and providing operational data from the moment of deployment**.



POWER MANAGEMENT SOLUTIONS

Harness the power of the sun.

Thermo King solar panels provide sustainable power for truck and trailer refrigeration units, **extending battery life, reducing fuel consumption, and lowering emissions.**

Tough, weatherproof panels capture solar energy, even in low light, to keep batteries charged. This reduces engine operation for battery charging, saving fuel and CO₂ emissions while promoting sustainability.

CHOOSE THE PART THAT FITS YOUR NEEDS

Thermolite™ Solar Panels come with the new **Maximum Power Point Tracking (MPPT) controller as a standard.** This technology allows batteries charging at higher levels of discharge (down to 6V), and **boosts the efficiency up to 20%** compared to PWM controllers.

Thermo King solar panels are also available in the Thermo King SELECT Parts range. Thermo King Select kit comes with a **reliable PWM controller** that is **EMC/R10 certified** and approved by OEMs.

LOOKING FOR THE PERFECT FIT?

To find the right solution, ask your dealer about the Solar Savings Calculator Tool.

APPLICATIONS

Thermo King solar panels are particularly fit for these applications:

TO POWER YOUR REFRIGERATION UNIT

Stay connected. Extend your battery lifetime, save fuel and CO₂. 12V panel, up to 110W.

TO POWER YOUR TRACTOR'S BATTERY - TRACTOR ROOF

Extend your tractor's battery utilization and life and save on battery exchanges, breakdowns and fuel consumption. 24 V panel, 80W (2 x 40W) to 220W (2 x 110W).

FOR TAIL LIFT

Keeps your tail lift running and your batteries charged. 24 V panel, up to 220W (2 x 110W).

AS AN EXTENSION OF YOUR ADVANCER SOLAR PANEL

Additional 40W solar panel available to boost power to 90W, positioned on the roof or on the side panel.

Compatible with existing setup: integrates seamlessly with your Thermo King solar panel and charge controller.

Recommended for vehicles with Advancer units and solar panels positioned 5cm or more below the trailer roof. Increases fuel savings by reducing "null run" time in Cycle-Sentry.

Benefits

AMPLE CHARGING CURRENT:

Maintains battery charge, even in low light or winter conditions

EXCEPTIONAL EFFICIENCY:

Outperforms competitors in charging capacity

LOW-PROFILE DESIGN:

Fits in tight spaces for easy installation

QUICK INSTALLATION:

Simple, 60-minute setup with all components included

DURABILITY:

Resists extreme weather, trailer washing, and chemical cleaning

ADVANCER

The new landmark in trailer refrigeration.

FASTEST PULLDOWN

Engine independent airflow for superior performance

FUEL EFFICIENCY

Never before seen to keep your costs down

UNRIVALED TEMPERATURE CONTROL

To make sure you can deliver every load in perfect condition

ALTERNATIVE POWER SOURCES

Stay ahead of regulations. All units are compatible with our AxlePower, alternator or battery solutions

OPERATIONAL FLEXIBILITY

Available in single and multi-temperature configurations



Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport climate control solutions. We engineer and provide cutting-edge technology and solutions with sustainability, reliability, and the customer experience in mind. Thermo King has provided transport temperature control solutions for various applications, including trailers, truck bodies, buses, air, shipboard containers, and railway cars since 1938.

For further information
europe.thermoking.com

Find your nearest dealer on
dealers.thermoking.com

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