

A D V A N C E R TM
S P E C T R U M

M A S T E R I N G M U L T I - T E M P



M U L T I - T E M P E R A T U R E R E F R I G E R A T I O N S O L U T I O N S
F O R T R A I L E R S

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Built from ambition

Advancer was built from ambition. Our ambition to push the boundaries of what was possible and your ambition to push your business to the next level.

ADVANCER IS A LANDMARK IN THE TRAILER REFRIGERATION LANDSCAPE

- Fastest pulldown on the market **to keep you moving**
- Fuel-efficiency never before seen **to keep your costs down**
- Unrivalled temperature control **to make sure you can deliver every load in perfect condition**

Ambition evolves

Introducing the Advancer A-500 Spectrum: thanks to its multi-temp configuration, you can unlock the full potential of your fleet.

COMPLETE CONTROL

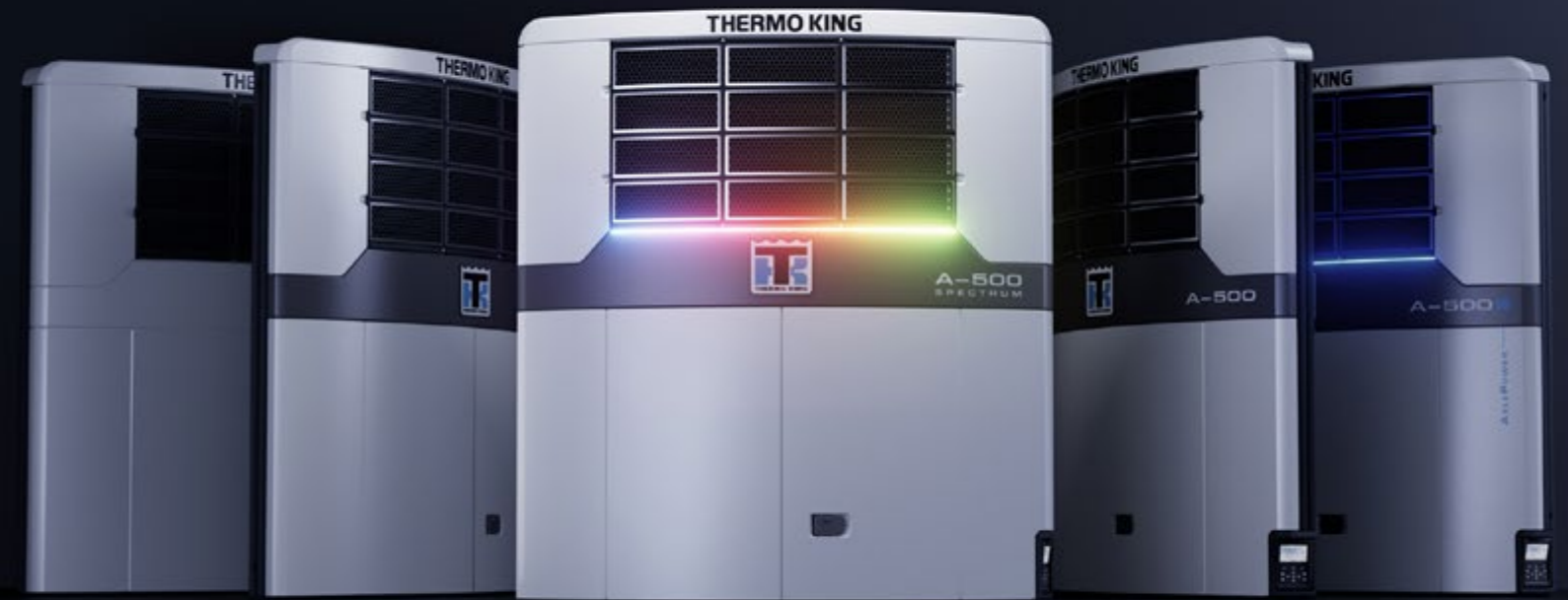
All cargo is different and has different transport requirements. Multi-temp units allow your fleet to run as optimized and flexible as possible. Designed with your real-world applications in mind, Spectrum means you can deliver what you need to, no matter how varied the load. Single temp always, multi-temp whenever you need it.

The most flexible Advancer

Whatever you need, A-500 Spectrum can provide. A-500 Spectrum makes sure your box is used to its fullest capabilities. Whatever mix of cargo you need to transport, Spectrum makes sure it can all be shipped in a single trailer, so you can respond to peak-demands easily and quickly.

INVEST IN TOMORROW

A-500 Spectrum is not just any multi-temp unit. It's our landmark Advancer unit, built for the future, to allow your fleet to access all parts of the supply chain. A-500 Spectrum, the greenest and most fuel efficient cooling unit on the market, fully compliant with today's regulations and prepared for whatever is yet to come.



COMPLETE TEMPERATURE CONTROL

Precise temperature control is your number one priority. It's ours too. The Advancer Spectrum features all the innovations of Advancer, plus a little more.

Bespoke multi-temp A-Series controller

allowing for superior temperature control across all zones

Temperature control tailored to your needs

Take an agile approach to cargo configuration, with two modes to match unit performance with your load's requirements

Fastest pulldown on the market

to get your trailer on the road as quickly as possible

CUT DOWN ON FUEL COSTS AND MAINTENANCE

Keep your costs down **with Advancer's proven fuel efficiency** and dramatically lowered service schedule.

- The controller lets you **keep track of your fuel consumption** and with the data also made available on our TrackKing platform
- Up to **30% less overall servicing required**, thanks to fewer and better placed parts
- Up to **60% reduction in unscheduled servicing**

Flexibility was our goal with Spectrum: giving you total control of your cargo and your fleet. To that end, Spectrum has two different cooling modes, each one fully tailored to you and your cargo's needs.

Tailored temperature control

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



**TWO NEW
REMOTE EVAPORATORS
TO LEVEL UP
YOUR REMOTE ZONES**

EXPANDING EVER FURTHER
WITH S3A & S6A

- Higher zone cooling capacity
- Faster pulldown
- More precise temperature management
- Superior system balance between zones

Connected intelligence

Keep an eye on your unit while it's out on the road. With our Connected Solutions, you stay updated on every part of your unit. Track temperature, fuel usage and more in real-time, right from your desktop. Thanks to the two-way connectivity, you can respond to any challenges immediately and remotely change settings when needed.



WHEREVER YOU ARE IN THE
WORLD, YOU CAN MAKE SURE
YOUR CARGO WILL BE DELIVERED
IN PERFECT CONDITION.



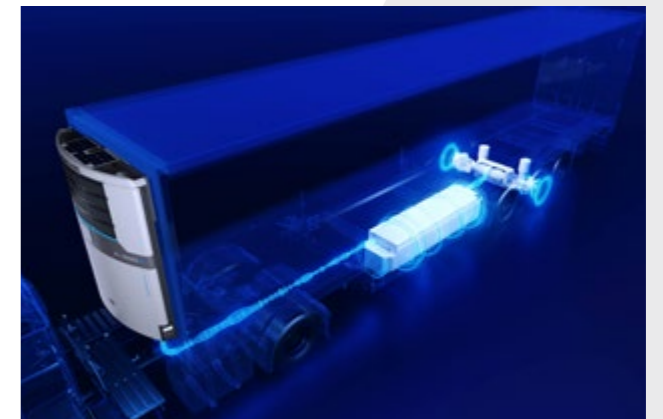
Compatible power sources

FULLY COMPATIBLE WITH

When we said Spectrum is future proof, we meant it. Spectrum is fully compatible with alternative power sources like **AxlePower** and **HybridDrive**. It helps you prepare your fleet for a more sustainable future, without compromising on cooling capacity or operational performance.

AXLEPOWER

POWERED BY THE ROAD
A smart power recovery system that lets you run your cooling unit with recaptured, zero-emission energy, generated by your vehicle's axle.



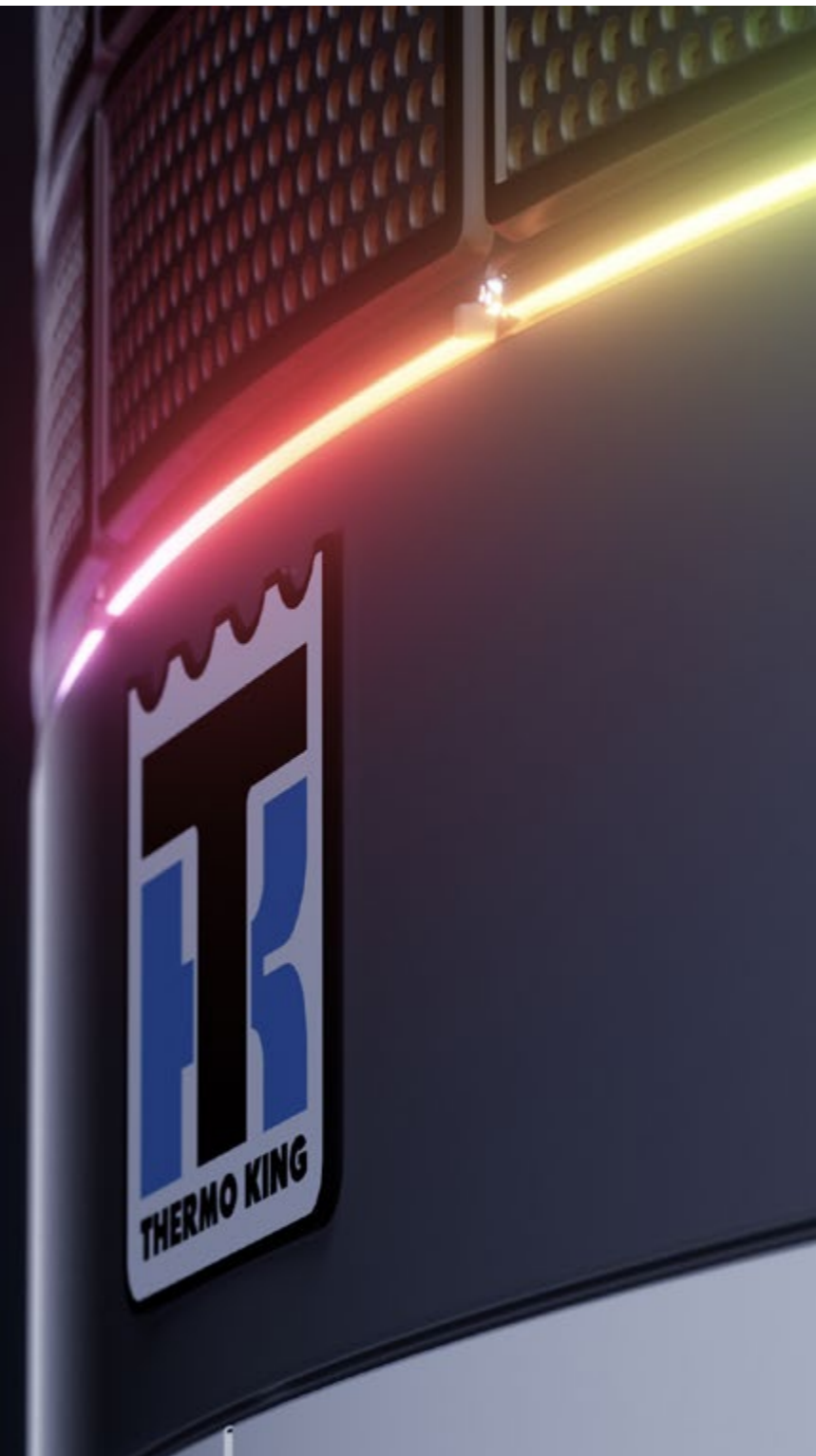
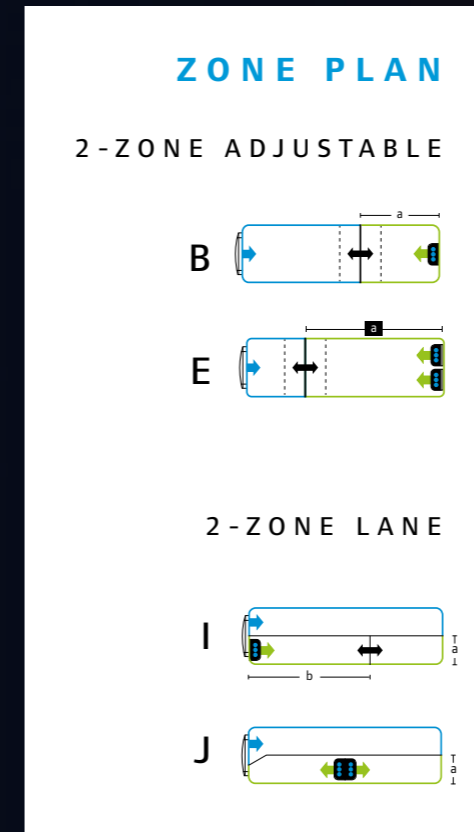
HYBRIDDRIVE

BEST OF BOTH WORLDS
A more sustainable, hybrid unit that seamlessly switches between diesel and electric, thanks to the combination of Thermo King's industry-leading cooling technology and FRIGOBLOCK's electric ingenuity.



Technical specifications

REFRIGERATION CAPACITY	
Capacity on engine power 0°C	18600
Capacity on engine power -20°C	10000
Capacity on electrical stand by 0°C	15400
Capacity on electrical stand by -20°C	7600
AIRFLOW	
Airflow volume @ 0 Pa static pressure - Default @ Pull Down:	5300
Airflow volume @ 0 Pa static pressure - Default @ Set Point:	3400
WEIGHT (INC BATTERY)	
Model Standard	840kg
ENGINE	
Maintenance Interval	3000 hrs
Number of cylinders	4
Displacement	2,1
ELECTRICAL STAND BY MOTOR	
Voltage / Phase / Frequency	400/3/50 460/3/60
Rating	9.3 kW
SOUND PRESSURE LEVEL (STANDARD UNIT)	
High Speed Diesel	67 dB(A)
Electric Standby	64 dB(A)
GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Boxlength	15 m
Refrigerant	R-452A
Controller	A-Series Controller
DIMENSIONS	
Host Unit Height	2270 mm
Host Unit Width	2076 mm
Host Unit Depth	440 mm
Evaporator S3A Width	1100 mm
Evaporator S3A Depth	1000 mm
Evaporator S3A Height	200 mm
REMOTE EVAPORATOR CAPACITY	
S3A 0/30°C	8900
S6A 0/30°C	14200



MASTERING MULTI-TEMP WITH ADVANCER SPECTRUM

- **Proven Advancer performance**

Fastest pulldown on the market, unrivalled fuel-efficiency and exceptional temperature control

- **Unlock the full flexibility of your fleet**

Easily adjust your vehicle usage to respond to changes in the market

- **Invest in tomorrow**

Sustainable, power-agnostic multi-temp cooling that can access ULEZs

- **Capture unrivaled temperature control**

Highest cooling capacity with added flexibility

- **Cut down on costs and maintenance**

With unrivalled electrical & fuel efficiency and lower maintenance costs



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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.

For further information

europe.thermoking.com | tkadvancer.com

Find your nearest dealer on

dealers.thermoking.com

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TECHNOLOGIES