

A D V A N C E R

— built from ambition —



INTRODUCING THE A-SERIES
FOR TRAILER REFRIGERATION

 THERMO KING

— GET TO KNOW ADVANCER

the new landmark in trailer refrigeration

Ambition sits at the heart of Advancer. It's where our ambition to **push the boundaries** of what's possible meets your ambition to constantly delight customers and enhance your business.

The result: a truly unique, **all-new design architecture** infused with radical innovation.

What this means for your business is simple: greater operational flexibility, unrivalled temperature control, and groundbreaking cost efficiency. Above all, it's about giving you the ability to deliver any load in perfect condition – each time, every time.

With Advancer, you'll always be **moving forward**.



RADICAL INNOVATION
THAT DRIVES YOU
LIGHT-YEARS AHEAD





**FASTEST PULLDOWN
& TIGHTEST TEMPERATURE CONTROL**

— THE AMBITION

to transform your performance

Advancer delivers the fastest pulldown available on the market. All thanks to an architecture that provides more power to the compressor, as well as a unique variable airflow capability that's fully independent of unit engine speed.

GREATER CARGO PROTECTION AT REDUCED OPERATING COSTS

Fully variable airflow lets you regulate the precise airflow needed for every journey. The ingenious detachment of evaporator fans from the engine enables you to maintain tightly controlled temperature ranges while achieving groundbreaking energy efficiency and industry-low noise levels.

FULLY VARIABLE AIRFLOW IN ACTION

Increased fuel efficiency

When transporting items requiring less airflow you can turn it down for maximum fuel efficiency. And vice versa.

Up to 40% quicker to pull down

With smart energy distribution you can enjoy unrivalled speed to pull down for temperature-sensitive loads.

Superior recovery from door openings

For fast and efficient pulldown, airflow can be programmed to run high after door openings only.

— THE AMBITION

to lift your bottom line

Advancer doesn't just score big on performance. It also offers the fuel efficiency, uptime, connectivity, and enhanced serviceability needed to significantly reduce your total cost of ownership.

UNSEEN EFFICIENCY LEADS TO UNSEEN SAVINGS

Enabled by fully variable airflow, Advancer's adjustable fuel usage leads to business-wide savings. Fewer and better-placed parts simultaneously decrease service times. As a result, your incremental investment will typically be recuperated in less than 2 years.

100% TRANSPARENCY ON FUEL CONSUMPTION

Advancer's all-new electronic engine speed control (standard on A-400 & A-500) provides unrivalled insights into fuel efficiency. Utilizing sensors fitted to the fuel tank, the Eco Governor enables you to track fuel consumption by trip, total consumed liters per hour and total consumption / remaining fuel via the TrackKing platform or monitor current fuel usage on the A-Series Controller.

30% — MORE FUEL-EFFICIENT THAN THE MARKET AVERAGE

40% — BETTER SYSTEM EFFICIENCY VERSUS THE MARKET AVERAGE



— THE AMBITION

to exceed your expectations

ALL 3 ADVANCER
MODELS WILL:

- be the most fuel-efficient on the market
- be the greenest units on the market
- be the quietest units on the market
- have the highest cooling capacity on the market
- provide the highest, fully variable airflow
- be fitted with the smartest hardware and software
- include a 2-year telematics contract



A - 3 6 0

ALL-ROUND
REFRIGERATION
EXCELLENCE

A **powerful engine**, engine-independent airflow and precise temperature control.



A - 4 0 0

THE NEW
STANDARD IN TRAILER
REFRIGERATION

Comes with electronic engine speed control and with extra features to **boost fuel efficiency**.



A - 5 0 0

WHEN YOUR CARGO
DESERVES THE BEST
OF THE BEST

Flagship model that offers the highest level of fuel efficiency, refrigeration capacity and temperature management.



TELEMATICS HARD— AND
SOFTWARE AS STANDARD

— THE AMBITION

to help you work smarter

Advancer is designed to be the most intelligent transport refrigeration unit ever. Unlock the potential of data to work for your business.

CONNECTED SOLUTIONS AS STANDARD

Advancer supports a more proactive approach to telematics. Advancer comes with a **free 2-year Connected Solutions subscription** so you can enjoy our commitment to industry-leading connectivity.

BRAND-NEW A-SERIES CONTROLLER

Intuitive, driver-friendly, and easy-to-use, this intelligent HMI enables changes to be made quickly. The A-Series Controller also offers support for **addressing any alarms** with industry-first recommended actions.

— THE AMBITION

to secure your future

It's hard to predict what tomorrow's going to bring. But with Advancer, you'll be sure the innovation is on hand to keep you delivering – whatever the scenario.

INVEST WITH CONFIDENCE

With its modular 48V mild hybrid architecture, Advancer can adapt to a variety of power sources including shore power, hybrid, holdover battery, axle generator and even integrated solar panels for battery-charging – thereby future-proofing your investment.

STAY AHEAD OF REGULATIONS

Advancer is fully compliant with the EU Non-Road Mobile Machinery (NRMM) Stage V directive and is the quietest transport refrigeration unit on the market today.

REDUCE CARBON EMISSIONS

Advancer was built with ambitious sustainability goals at its core. Its carbon-neutral production process, lower fuel consumption and lower CO₂ emissions equate to the equivalent of planting 50 trees per unit, per year.



EMBRACE
SUSTAINABLE
OPPORTUNITIES



TURN UPTIME
INTO A COMPETITIVE
ADVANTAGE

— THE AMBITION

to keep you running

In terms of unit uptime, Advancer is purpose-built to help minimize both scheduled and unscheduled servicing. Fewer and better-placed parts enable 3,000 hours maintenance intervals for maximum asset dependability while decreasing overall service times.

LIMITED SCHEDULED MAINTENANCE

With the quality of components used and an architecture designed for servicing, Advancer is easier and faster to maintain.

REDUCED UNSCHEDULED MAINTENANCE

Greater visibility into a unit's condition, alongside the proactive support available from telematics, helps reduce downtime and the cost of repair.

30% — LESS
OVERALL
SERVICING
REQUIRED

60% — REDUCTION IN
UNSCHEDULED
SERVICING



A-400

Specifications

Heating Capacity: Box Temperature +2°C	
Capacity on engine power (Outside air temperature: -20°C)	10750 W
Airflow: independent from unit engine speed	
Airflow volume @ 0 Pa static pressure - Default @ Pull Down	5000 m3/hr
Airflow volume @ 0 Pa static pressure - Max @ Pull Down	5500 m3/hr
Airflow volume @ 0 Pa static pressure - Default @ Set Point	3400 m3/hr
Airflow volume @ 0 Pa static pressure - Max @ Set Point	5000 m3/hr
Sound Pressure Level	
High Speed Diesel	65 dB(A)
Electric Standby	64 dB(A)
Refrigeration Capacity	
System net cooling capacity under A.T.P. conditions at 30 °C ambient	
Capacity on engine power 0°C	16200 W
Capacity on engine power -20°C	8300 W
Capacity on electrical stand by 0°C	13000 W
Capacity on electrical stand by -20°C	6700 W
Weight	
including battery	
Model Standard	830 kg
Engine	
No. of cylinders - cm3	
Maintenance Interval	3000 hrs
Electrical Stand by Motor	
Voltage / Phase / Frequency	400/3/50 460/3/60
Rating	9.3 kW

Dimensions	Unit
Height	2270 mm
Width	2076 mm
Depth	440 mm

Features and Options

Life cost management	
Fuel level sensor	<input type="checkbox"/> <input checked="" type="checkbox"/>
Premium AGM battery	<input checked="" type="checkbox"/>
Fuel consumption monitoring	<input checked="" type="checkbox"/>
Fuel filtration and priming system	<input type="checkbox"/> <input checked="" type="checkbox"/>
2-year warranty coverage	<input checked="" type="checkbox"/>
EMI 3000: Extended maintenance interval	<input checked="" type="checkbox"/>
Data capture & communications	
TrackKing - 2 Years Contract	<input checked="" type="checkbox"/>
Trailer Assist EBS Harness	<input type="checkbox"/> <input checked="" type="checkbox"/>
ServiceLog maintenance logger	<input checked="" type="checkbox"/>
ComplianceLog data logger	<input checked="" type="checkbox"/>
Wintrac? (data analysis software)	<input checked="" type="checkbox"/>
USB data port	<input checked="" type="checkbox"/>
Load Protection	
Air Chute	<input type="checkbox"/> <input checked="" type="checkbox"/>
Adjustable airflow	<input checked="" type="checkbox"/>
Air Straightener	<input type="checkbox"/> <input checked="" type="checkbox"/>
OptiSet™ Plus	<input checked="" type="checkbox"/>
Discharge Air Control Freeze protection	<input checked="" type="checkbox"/>
Door switches	<input type="checkbox"/> <input checked="" type="checkbox"/>
Diesel/electric auto switching	<input checked="" type="checkbox"/>
Customization	
Solar Panel	<input type="checkbox"/> <input checked="" type="checkbox"/>
Tail lift battery charger	<input type="checkbox"/> <input checked="" type="checkbox"/>
Fuel Tank (Plastic 230L or Aluminium 190L)	<input type="checkbox"/> <input checked="" type="checkbox"/>
Whisper quiet operation	<input checked="" type="checkbox"/>
Secured 3rd Party accessories power connection	<input checked="" type="checkbox"/>
Ease of Use	
Triple Combo Display (Fuel, Alarms, Temperature indications)	<input type="checkbox"/> <input checked="" type="checkbox"/>
Proactive alarm notifications	<input type="checkbox"/> <input checked="" type="checkbox"/>

Not Available Standard Feature
 Option: Factory Supplied Option: Dealer Supplied



A-360

Specifications

Heating Capacity: Box Temperature +2°C	
Capacity on engine power (Outside air temperature: -20°C)	10750 W
Airflow: independent from unit engine speed	
Airflow volume @ 0 Pa static pressure - Default @ Pull Down	5000 m3/hr
Airflow volume @ 0 Pa static pressure - Max @ Pull Down	5500 m3/hr
Airflow volume @ 0 Pa static pressure - Default @ Set Point	3400 m3/hr
Airflow volume @ 0 Pa static pressure - Max @ Set Point	5000 m3/hr
Sound Pressure Level	
High Speed Diesel	65 dB(A)
Electric Standby	64 dB(A)
Refrigeration Capacity	
System net cooling capacity under A.T.P. conditions at 30 °C ambient	
Capacity on engine power 0°C	15600 W
Capacity on engine power -20°C	8100 W
Capacity on electrical stand by 0°C	12700 W
Capacity on electrical stand by -20°C	6600 W
Weight including battery	
Model Standard	830 kg
Engine	
No. of cylinders - cm3	
Maintenance Interval	3000 hrs
Electrical Stand by Motor	
Voltage / Phase / Frequency	400/3/50 460/3/60
Rating	9.3 kW

Dimensions	Unit
Height	2270 mm
Width	2076 mm
Depth	440 mm

Features and Options

Life cost management	
Fuel level sensor	<input type="checkbox"/> <input checked="" type="checkbox"/>
Premium AGM battery	<input checked="" type="checkbox"/>
Fuel consumption monitoring	<input type="checkbox"/>
Fuel filtration and priming system	<input type="checkbox"/> <input checked="" type="checkbox"/>
2-year warranty coverage	<input checked="" type="checkbox"/>
EMI 3000: Extended maintenance interval	<input checked="" type="checkbox"/>
Data capture & communications	
TrackKing - 2 Years Contract	<input checked="" type="checkbox"/>
Trailer Assist EBS Harness	<input type="checkbox"/> <input checked="" type="checkbox"/>
ServiceLog maintenance logger	<input checked="" type="checkbox"/>
ComplianceLog data logger	<input checked="" type="checkbox"/>
TouchLog independent data logger	<input type="checkbox"/> <input checked="" type="checkbox"/>
TouchPrint data logger	<input type="checkbox"/> <input checked="" type="checkbox"/>
Wintrac? (data analysis software)	<input checked="" type="checkbox"/>
USB data port	<input checked="" type="checkbox"/>
Load Protection	
Air Chute	<input type="checkbox"/> <input checked="" type="checkbox"/>
Adjustable airflow	<input checked="" type="checkbox"/>
Air Straightener	<input type="checkbox"/> <input checked="" type="checkbox"/>
Discharge Air Control Freeze protection	<input checked="" type="checkbox"/>
OptiSet Plus pre-set operating parameters	<input checked="" type="checkbox"/>
Door switches	<input type="checkbox"/> <input checked="" type="checkbox"/>
Diesel/electric auto switching	<input checked="" type="checkbox"/>
Autophase correction	<input checked="" type="checkbox"/>
Customization	
Solar Panel	<input type="checkbox"/> <input checked="" type="checkbox"/>
Tail lift battery charger	<input type="checkbox"/> <input checked="" type="checkbox"/>
Fuel Tank (Plastic 230L or Aluminium 190L)	<input type="checkbox"/> <input checked="" type="checkbox"/>
Whisper quiet operation	<input checked="" type="checkbox"/>
Secured 3rd Party accessories power connection	<input checked="" type="checkbox"/>
Ease of Use	
Triple Combo Display (Fuel, Alarms, Temperature indications)	<input type="checkbox"/> <input checked="" type="checkbox"/>
Proactive alarm notifications	<input checked="" type="checkbox"/>

Not Available Standard Feature
 Option: Factory Supplied Option: Dealer Supplied



A-500

Specifications

Heating Capacity: Box Temperature +2°C	
Capacity on engine power (Outside air temperature: -20°C)	15900 W
Airflow: independent from unit engine speed	
Airflow volume @ 0 Pa static pressure - Default @ Pull Down	5500 m3/hr
Airflow volume @ 0 Pa static pressure - Max @ Pull Down	6000 m3/hr
Airflow volume @ 0 Pa static pressure - Default @ Set Point	3400 m3/hr
Airflow volume @ 0 Pa static pressure - Max @ Set Point	5500 m3/hr
Sound Pressure Level	
High Speed Diesel	67 dB(A)
Electric Standby	64 dB(A)
Refrigeration Capacity	
System net cooling capacity under A.T.P. conditions at 30 °C ambient	
Capacity on engine power 0°C	19500 W
Capacity on engine power -20°C	10400 W
Capacity on electrical stand by 0°C	14600 W
Capacity on electrical stand by -20°C	8400 W
Weight	
including battery	
Model Standard	830 kg
Engine	
No. of cylinders - cm3	
Maintenance Interval	3000 hrs
Electrical Stand by Motor	
Voltage / Phase / Frequency	400/3/50 460/3/60
Rating	9.3 kW

Dimensions	Unit
Height	2270 mm
Width	2076 mm
Depth	440 mm

Features and Options

Life cost management	
Fuel level sensor	<input type="checkbox"/> <input checked="" type="checkbox"/>
Premium AGM battery	<input checked="" type="checkbox"/>
Fuel consumption monitoring	<input checked="" type="checkbox"/>
Fuel filtration and priming system	<input type="checkbox"/> <input checked="" type="checkbox"/>
2-year warranty coverage	<input checked="" type="checkbox"/>
EMI 3000: Extended maintenance interval	<input checked="" type="checkbox"/>
Data capture & communications	
TrackKing - 2 Years Contract	<input checked="" type="checkbox"/>
Trailer Assist EBS Harness	<input type="checkbox"/> <input checked="" type="checkbox"/>
ServiceLog maintenance logger	<input checked="" type="checkbox"/>
ComplianceLog data logger	<input checked="" type="checkbox"/>
Wintrac? (data analysis software)	<input checked="" type="checkbox"/>
USB data port	<input checked="" type="checkbox"/>
Load Protection	
Air Chute	<input type="checkbox"/> <input checked="" type="checkbox"/>
Adjustable airflow	<input checked="" type="checkbox"/>
Air Straightener	<input type="checkbox"/> <input checked="" type="checkbox"/>
Discharge Air Control Freeze protection	<input checked="" type="checkbox"/>
Diesel/electric auto switching	<input checked="" type="checkbox"/>
OptiSet Plus pre-set operating parameters	<input checked="" type="checkbox"/>
Door switches	<input type="checkbox"/> <input checked="" type="checkbox"/>
Customization	
Solar Panel	<input type="checkbox"/> <input checked="" type="checkbox"/>
Tail lift battery charger	<input type="checkbox"/> <input checked="" type="checkbox"/>
Fuel Tank (Plastic 230L or Aluminium 190L)	<input type="checkbox"/> <input checked="" type="checkbox"/>
Whisper quiet operation	<input checked="" type="checkbox"/>
Secured 3rd Party accessories power connection	<input checked="" type="checkbox"/>
Ease of Use	
Triple Combo Display (Fuel, Alarms, Temperature indications)	<input type="checkbox"/> <input checked="" type="checkbox"/>
Proactive alarm notifications	<input checked="" type="checkbox"/>

Not Available Standard Feature
 Option: Factory Supplied Option: Dealer Supplied



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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 more information, visit www.europe.thermoking.com



TRANE
TECHNOLOGIES