



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.thermoking.com or www.tranetechnologies.com.

Asia Pacific Headquarters & China Office
8-12F, L'Avenue Shanghai,
99 Xianxia Road, Shanghai, 200051, P.R.C
Tel: +86 21 2221 5000
Fax: +86 21 2221 5409

Global Headquarters
314 West 90th Street
Minneapolis, Minnesota, 55420, U.S.A.
Tel: +1 952 887 2200
Fax: +1 952 887 2529

Thermo King customer service hotline

 **800-820-2828**

 **400-820-7972**



**New Generation Ultra-thin Electric Trailer Refrigeration Unit –
THOR Series**

TH-450

TRANE
TECHNOLOGIES

Key Features

Design | More Excellent

- TH series appearance, family design
- Slim and compact structure, low wind resistance and streamlined appearance
- Integrated insulation casing of evaporator, no air/heat leakage

Performance | More Outstanding

- R410A refrigerant
- Inverter scroll compressor, higher efficiency
- Electronic expansion valve throttling, rapid cooling
- EVI technology provides higher freezing capacity and reliability

Electrical Control | More Intelligent

- Shared Arcon platform, equipped with new VP controller
- Precise temperature control ±0.5°C (return air)
- Remote information processing module, real-time recording of operating data

Power Supply | More Options

- 380V AC vehicle power supply or standby power supply
- 350~750V DC battery (optional)

Maintenance | More Convenient

- Integrated control box, easy to repair
- Axial flow fan, easy to maintain
- Wireless remote upgrade

Installation | More Flexible

- Perfectly matches standard land transport trailer bodies
- Can provide matching sea container installation solutions (optional)

Safety | More Reliable

- Robust control to keep running with failures
- Brushless fan with a lifespan of over 30,000 hours
- Jet enthalpy compressor ensures the reliability of the unit in extreme environments



THOR Series Control Panel (Standard)

- Integrated CAN and RS485 communication, easy to expand
- Supports online program upgrade
- Can store 1 year of operating data
- IP65, no fear of wind and rain



Cabin Remote Panel (Optional)

Key Parameters

Unit Model	TH-450		
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Cooling Capacity (ATP condition, ambient temperature 30°C)

Cabin Temperature	°C	0	-20
Cooling Capacity	W	20,000	12,000
Refrigerant	-	R410A	

Air Volume (0 Pa static pressure)

Air Volume	m³/h	7,000 (MAX)	
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Weight and Dimensions

Weight	KG	350	
Dimensions (H*W*D)	mm	1590*2056*506	

Power Input and Consumption

Maximum Consumption	kW	18	
Power Input	-	380V/3PH/50HZ (three-phase four-wire)	
Voltage Range	V	340~437 VAC	
Recommended Engine Power	KVA	30	

