

VX-SERIES

— high performance, sustainable refrigeration with precise temperature control. —



SINGLE- AND MULTI-TEMPERATURE REFRIGERATION SOLUTIONS
FOR SMALL, MEDIUM AND LARGE TRUCKS

VX-Series

NEW AND UPGRADED SINGLE- AND MULTI-TEMPERATURE REFRIGERATION SOLUTIONS FOR SMALL, MEDIUM AND LARGE TRUCKS



Thermo King's all-new V-400X, and upgraded V-500X, V-600X models showcase the latest in single- and multi-temperature refrigeration control for small, medium, and large trucks (5 m³ to 50 m³).

These smaller units are vehicle-driven, so have zero emissions from the TRU and extremely low noise and vibrations, meaning you can get close to your customers 24/7.

Suitable for diesel and non diesel as well as battery pack applications, the Thermo King VX-Series are raising the game in direct drive technology on the roads, whilst keeping total cost of ownership and servicing time down.

No engine. High efficiency. Low noise.

High performance, sustainable refrigeration with precise temperature control.

IMPROVED PERFORMANCE

The VX-Series unites performance with efficiency on the road:

- Up to 10% faster pulldown
- Lightweight and compact - 50% lighter than previous V-Series models
- Increased refrigeration power 4000W - 6500W
- VX-Series models are ultra-light and compact, making it possible to maximize your payload

ENVIRONMENTALLY FRIENDLY

Built with sustainability in mind:

- Zero exhaust emissions
- Suitable for ICE vehicles with auxiliary battery packs
- Flexible alternative power source when engine is off: external battery pack or electric standby operation
- Lower weight provides a positive impact on converted vehicle homologation according to the WLTP standard, by reducing fuel consumption and CO₂ emissions

DESIGNED TO LAST

Compact and robust design that appeals and endures:

- Long-lasting corrosion-proof aluminum frame
- Future-proof design meets low emissions and low noise restrictions in cities
- Aerodynamically designed nose, roof, or recessed roof mount for easy installation



NOSE MOUNTED CONDENSER UNIT



ROOF MOUNTED CONDENSER UNIT

24/7 CUSTOMER DELIVERIES

Get close to your customers anytime, anywhere:

- Zero emissions from unit, extremely low noise, and vibrations
- Compliant with current and future (U)LEZ legislation

PRECISION TEMPERATURE CONTROL

In single and multi-temperature control, from your cab:

- Precision set point temperature control within $\pm 1^{\circ}\text{C}$
- 2 temperature zones for cargo: fresh or frozen, or maintain one single temperature for the whole unit
- Sustained refrigeration temperatures even in extreme ambient conditions

SMART CONTROL ON THE ROAD

The Direct Smart Reefer controller puts your driver in control:

- Continuous load and temperature monitoring for total cargo protection

LOW MAINTENANCE AND SERVICING

You can rely on the VX-Series to keep uptime up:

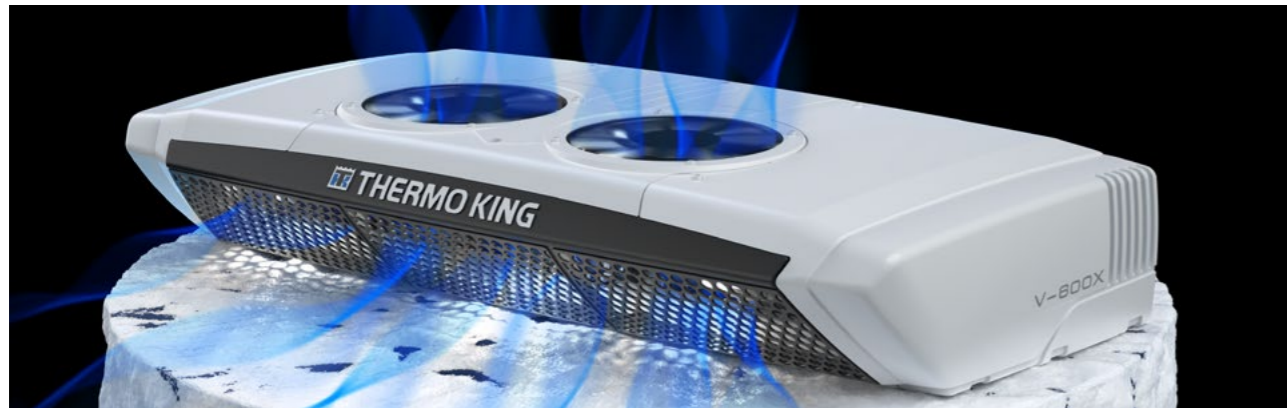
- Agile service and maintenance monitoring with Direct Smart Reefer controller (DSR)
- Maintenance reminders and intuitive alarm codes for fast diagnosis
- Easily accessible unit for rapid service and maintenance

Specifications

SPECIFICATIONS		V-400X	V-400X MAX	V-400MAX SP			
REFRIGERATION CAPACITY: SYSTEM NET COOLING CAPACITY AT 30°C AMBIENT TEMPERATURE UNDER A.T.P. CONDITIONS							
RETURN AIR TO EVAPORATOR	Celcius	0°C / 20°C	-20°C / 20°C	0°C / 20°C	-20°C / 20°C	0°C / 20°C	-20°C / 20°C
CAPACITY ON ENGINE POWER	W	3215	1588	4080	4080	4245	4245
CAPACITY ON ELECTRIC STANDBY	W	2370	1480	3025	2220	3210	2590
AIRFLOW							
EVAPORATOR		ES300	ES300	ES200+ES200	ES300+ES100N		
AIRFLOW VOLUME @ 0 PA STATIC PRESSURE	m³/hr	1990	1990	1480	1990	1761	
WEIGHT INCLUDING EVAPORATOR							
CONDENSOR	kg			75			
COMPRESSOR	kg			7,1			
EVAPORATOR ES300	kg			18			
EVAPORATOR ES200	kg			15			
EVAPORATOR ES100N	kg			8,5			
EVAPORATOR ES500	kg			25,5			
EVAPORATOR ES600	kg			28			
EVAPORATOR ES150	kg			14			
COMPRESSOR: SWASHPLATE							
MODEL				QP16			
DISPLACEMENT	CC			163			
DC VOLTAGE CURRENT CONSUMPTION							
EVAPORATOR		ES300		ES200+ES200	ES300+ES150		
TOTAL CURRENT CONSUMPTION ON THE ROAD	12V DC (A)	36		53	44		
	24V DC (A)	20		30	25		
ELECTRIC STANDBY OPTION							
VOLTAGE / PHASE / FREQUENCY				230V/ 1PH/ 60Hz			
REFRIGERANT							
CHARGE*	kg			2			

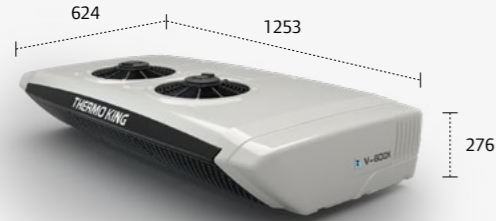
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

	V-500X	V-500 MAX	V-600 MAX			
REFRIGERATION CAPACITY: SYSTEM NET COOLING CAPACITY AT 30°C AMBIENT TEMPERATURE UNDER A.T.P. CONDITIONS						
	0°C / 20°C	-20°C / 20°C	0°C / 20°C	-20°C / 20°C	0°C / 20°C	-20°C / 20°C
	4190	2855	5440	4090	6540	4815
	2560	1595	3450	2460	4105	2890
AIRFLOW						
	ES500	ES500	ES600	ES300+ES300	ES300+2xES150	ES300+ES150
	2353	2353	2505	1990	1990 891(2x)	1990 891
WEIGHT INCLUDING EVAPORATOR						
			75			
			7,1			
			18			
			15			
			8,5			
			25,5			
			28			
			14			
COMPRESSOR: SWASHPLATE						
			QP16			
			163			
DC VOLTAGE CURRENT CONSUMPTION						
	ES500		ES300+ES100N	ES300+ES300	ES300+2xES150	ES300+ES150
	44		53	53	53	44
	25		30	30	30	25
ELECTRIC STANDBY OPTION						
		230V 3PH50 60Hz			400V 3PH50 60Hz	
REFRIGERANT						
		2			2,3	



Dimensions

CONDENSER UNITS



V400X/500X/600X NOSE MOUNTED UNIT



V400X/500X/600X ROOF MOUNTED UNIT



WARRANTY CONDITIONS

Thermo King warrants the new product delivered will be free of defects in material and workmanship for the period of time specified in the applicable warranties. Specific terms of the Thermo King warranty are available on request.

EVAPORATORS



ES100
ULTRA SLIM



ES100N*
ULTRA SLIM



ES150 MAX
ULTRA SLIM



ES200
ULTRA SLIM



ES300/ ES300 MAX
ULTRA SLIM



ES400 MAX



ES500
Ultra Slim



ES600 MAX

CONTROLLER



IN-CAB DIRECT SMART REEFER

DIMENSIONS IN (MM)

EVAPORATOR WEIGHTS (APPROXIMATE)

ES100(Ultra Slim)	9.5 kg	ES300/ES300 MAX (Ultra Slim)	18 kg
ES100N* MAX (Ultra Slim)	8.5 kg	ES400 MAX	20 kg
ES150 MAX (Ultra Slim)	14 kg	ES500 (Ultra Slim)	25.5 kg
ES200 (Ultra Slim)	15 kg	ES600 MAX	28 kg

* ES100N only available upon special request. Please contact your local dealer.



**CONTACT
YOUR NEAREST DEALER**

The Thermo King dealer network
boasts over **500 authorized
service points** in
75 countries
that are **open and
available 24/7.**





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

Find your nearest dealer on
dealers.thermoking.com

TRANE
TECHNOLOGIES



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- Over 500 authorized service points in 75 countries
- 1400 fully trained and certified technicians with Gold, Silver and Bronze Certi-Tech expertise certifications
- Open and available 24/7



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MORE DEALER SERVICES

- ✓ Emergency assistance
- ✓ Service contracts
- ✓ Genuine Thermo King parts
- ✓ Options and Accessories
- ✓ Mobile service
- ✓ Calibration and leak testing
- ✓ ...

As a Thermo King owner, you have invested in trusted and proven technology. So when maintaining your unit, it makes sense to choose original Thermo King replacement parts.

It is reassuring to know that every part has been exhaustively tested to the same world-class standards as your Thermo King unit. Genuine parts last longer and perform dependably day after day, year after year.

Talk to your dealer to find the best solution for your needs and know you always get the best.

ALWAYS INSIST ON GENUINE THERMO KING SERVICE PARTS.



ThermoKare is a complete selection of service contract solutions designed to optimise fleet efficiency, minimize operating costs and maximize equipment resale values.

When you choose a ThermoKare programme you let the experts service your fleet while you focus on your business. Your Thermo King Dealer will take care of maintenance planning, scheduling, invoice interpretation and general fleet administration.



ThermoAssistance is a multilingual telephone service putting you in contact with an authorised Thermo King Service Dealer whenever the need arises. It is available across Europe 24/7/365.

The transportation industry has always been about connectivity. It brings products to consumers all over the world and has enabled a global marketplace. Today, connectivity has taken on even greater meaning due to the amazing technologies that are within our grasp. Thermo King's Telematics portfolio offers innovative data storage, transfer and management solutions giving you the competitive edge in food safety, regulatory conformity, fleet usage and data control.

TK Wintrac is just an example. **Check it out on europe.thermoking.com/telematics**

TELEMATICS: INTELLIGENT SERVICES AND SMART DATA MANAGEMENT

