



Modular Front Box

Modular system for driver's total climate control

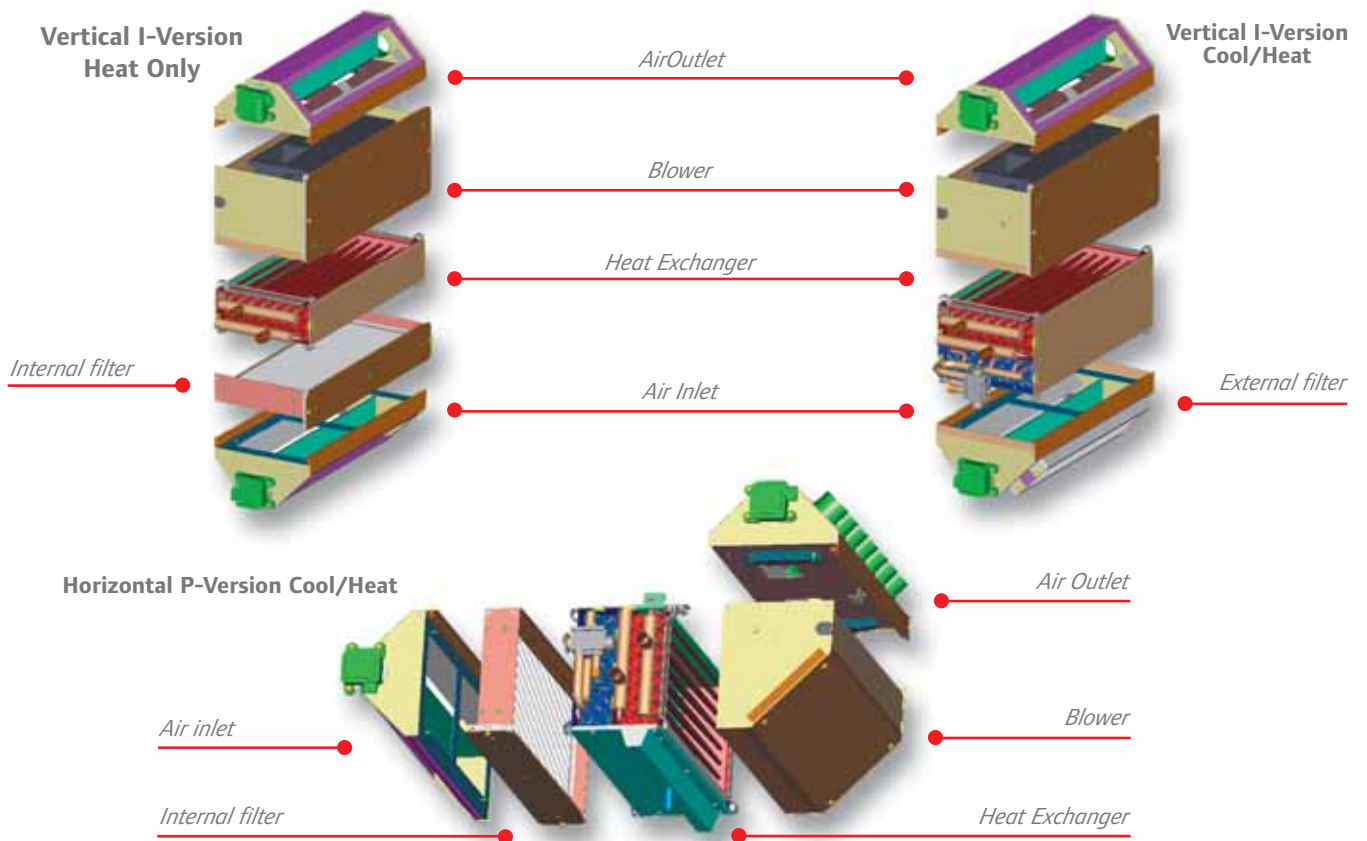


New concept offering top features

- **Modular System Configuration**
- **High Flexibility**
- **High Capacity**
- **High Airflow**
- **Full Electric Control**
- **Product configurator available**

Select the right version for your application...

Designed for flexibility.



FrontAire II™ features

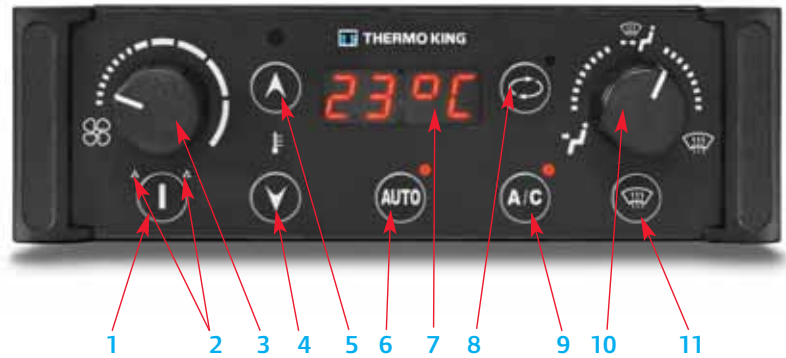
- Full Auto/Manual operation (cool, heat, vent, auto)
- Stepless blower speed control
- Stepless control of 2 flaps and 2 water valves
- 4 digit display, 7 buttons, 2 knobs
- Standard ISO norm car radio bracket
- Real time clock
- Hour meter
- Operates modes:
 - Stand-alone HVAC front box with condenser
 - Dependent on compressor of main HVAC unit
- Defrost and Smog functions
- Diagnostic & communication through PC (RS 232 port)
- Compressor & freeze protection
- Brightness control
- Alarm modes



...with the ultimate driver control

FrontAire II™ controller

- 1- ON/OFF KEY
- 2- ALARMS
- 3- SPEED KNOB
The stepless control of the blower speed.
- 4, 5- UP, DOWN KEYS
- 6- AUTO KEY, Auto mode:
- 7- DISPLAY
- 8- SMOG KEY, Recirculated Air:
- 9- A/C KEY, Aircondition Mode:
- 10- AIR DISTRIBUTION KNOB
The stepless control of the air distribution damper.
- 11- DEFROST KEY, Defrost/demist mode:



Modular Front Box specification

Cooling capacity

- Maximum: 7.0 kW
 - Rated: 4.1 kW
- Rated capacities are at following conditions:
outside 35 °C, inside 27 °C DB and 19 °C WB

Heating capacity

- Standard: 18.5 kW
 - Water flow: 1,800 L/hr (30 L/min)
- @ conditions: 100 K delta T

Airflow

- Maximum: 750 m³/h
- @ 0 inch (0 mm) water column external static pressure

Power consumption

- Heat only version: 18.9 A @ 27 VDC
- Cool/heat version: 19.4 A @ 27 VDC
(connected to roof A/C unit)
- Cool/heat version: 31.8 A @ 27 VDC
(stand alone, includes condenser and compressor)

Dimensions (in mm)

Version	VI	VP	HI	HP
Length	464	468	464	468
Width	222	320	575*	492*
Height	534	450	349	349

Refrigerant

HFC R-134a

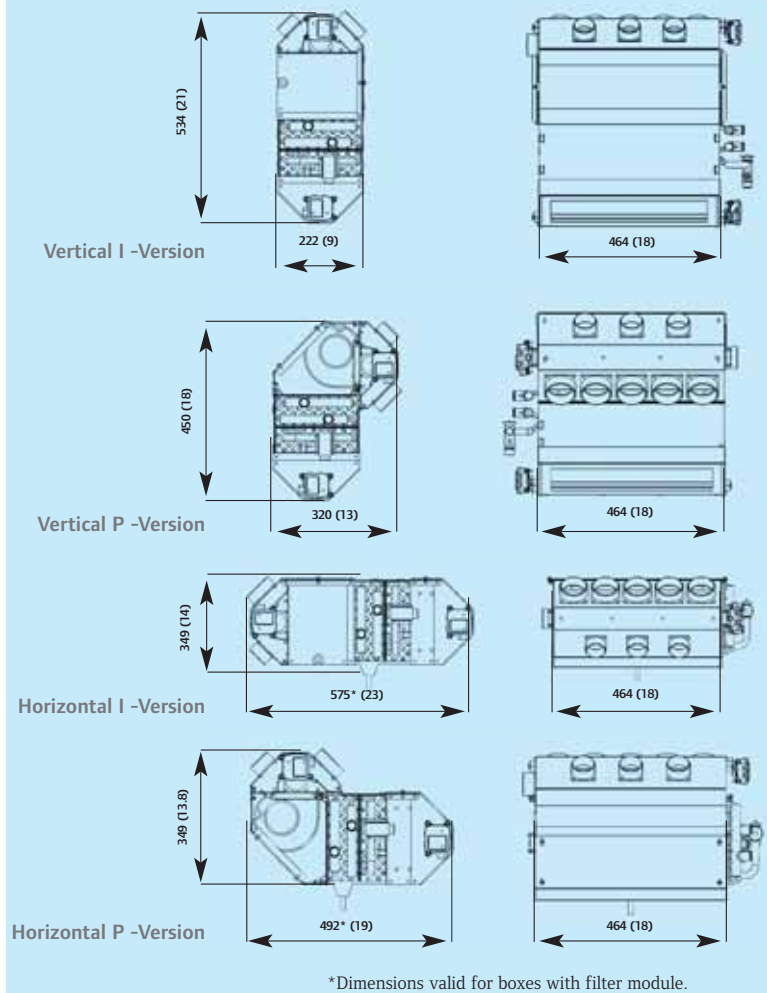
Compressor

TM 16 XD

Weight

16 kg Max./35,27 lb

Dimensions millimetres



Worldwide service organisation

Thermo King backs its equipment and customers with a highly trained, worldwide service organisation. This assures you the support of factory authorised service and shop facilities, a stock of factory parts and factory trained mechanics.

Warranty Summary

Terms of the Thermo King Limited Express Warranty are available upon request. Basic unit is warranted to be free from defects in material and workmanship for a period of one year from date in service. Warranty covers parts and labour only. Manufacturer is not responsible and will not be held liable in contract or tort (including negligence) for any special, indirect or consequential damages including, but not limited to, injury or damage caused to vehicles, contents or persons, by reason of the installation or use of any Thermo King product or its mechanical failure.



Providing equipment and services to manage controlled-temperature environments for food and other perishables, our Climate Control Technologies sector encompasses both transport and stationary refrigeration solutions. Our product brands include Thermo King®, a world leader in transport temperature control system and Hussmann®, a manufacturer of refrigeration and food merchandising equipment.

www.thermoking.com www.hussmann.com www.ingersollrand.com

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