



V-200/V-300 Series

Flexible, high performance temperature control systems.



Key features:

- Modular design systems
- High performance ultra slim evaporators for maximum cargo space
- High capacity electric standby operation

An  Ingersoll Rand business

Modular systems



Introducing the V-200/300 Series

from Thermo King – developed for businesses on the move. Its sleek, aerodynamic design makes installation and maintenance access easy, helping to

minimize downtime. A flexible approach lets you choose a temperature management system that fulfills your current requirements, with the capability to modify down the road, as your business grows and changes.

By selecting a Thermo King temperature management system, you're entrusting your business to the world leader in transport temperature control. We develop our systems to maximize reliability and provide superior performance, while minimizing impact on the environment. And, the Thermo King service network is at your service 24 hours per day. Another good reason to choose Thermo King's V-200/300 Series – it's built with your business in mind.

Ultra Slim evaporator for maximum load space and high airflow volume for superior temperature control



24 hour assistance from the best worldwide dealer network

V-200/V-300 Series



Value through technology

High cooling capacity on electric standby



Quick installation and low cost maintenance

= flexible solutions.



Selection Guide V-200/300/MAX

Frozen

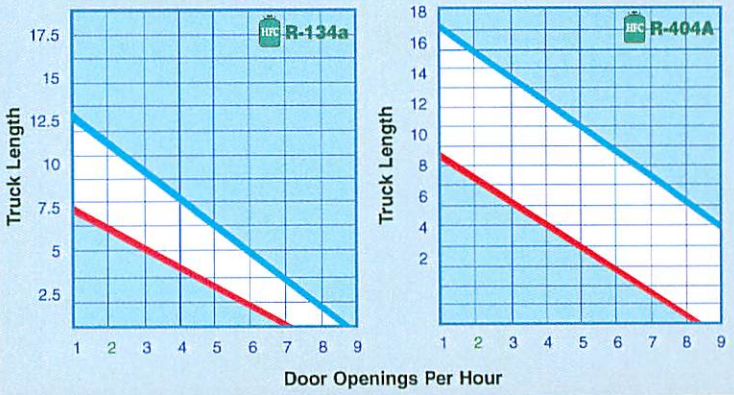
Frozen compartment (4" insulation)

- ambient: 100°F/38°C, compartment: 0°F/-18°C
- ambient: 86°F/30°C, compartment: -4°F/-20°C

V-200



V-300

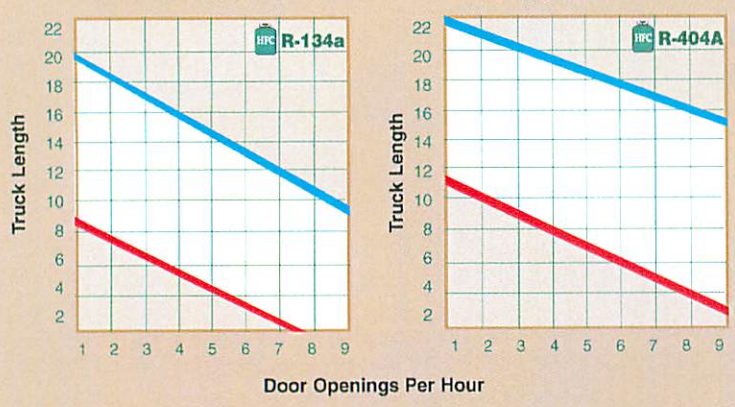


Chilled

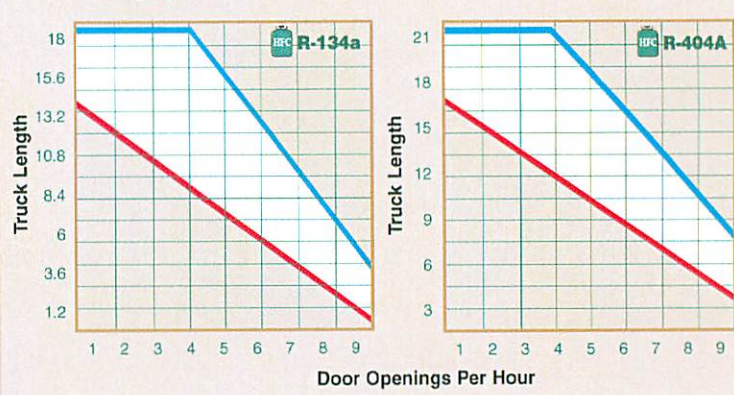
Chilled compartment (3" insulation)

- ambient: 100°F/38°C, compartment: 43°F/6°C
- ambient: 86°F/30°C, compartment: 43°F/6°C

V-200



V-300



Example:

100°F maximum ambient, frozen compartment, 2 door openings per hour: V-200 MAX suits vehicles up to 7.5 ft.

A Complete range

| | Refrigerant | Standby | Heating |
|------------------|-------------|---------|---------|
| V-200/300 10 | R-134a | — | + |
| V-200/300 20 | R-134a | ✓ | + |
| V-200/300 MAX 10 | R-404A | — | + |
| V-200/300 MAX 20 | R-404A | ✓ | + |

Specifications

REFRIGERATION CAPACITY

Description

The V-200/300 Series from Thermo King comprises two-piece split units designed for fresh, frozen and deep frozen applications on small trucks. The road compressor is powered by the vehicle's engine. In models with Electric stand-by, the second one is powered by an electric motor.

Models with heating are also available.

System components

- Condenser
- ES200/ES200 MAX evaporator
- Engine driven compressor
- Installation kit
- In-cab control box

Refrigerant

- V-200:.....HFC R-134a (3.1 lbs)
Chlorine: Zero
- V-200 MAX:HFC R-404A (2.75 lbs)
Chlorine: Zero
- V-300:.....HFC R-134a (3.85 lbs)
Chlorine: Zero
- V-300 MAX:HFC R-404A (4.00 lbs)
Chlorine: Zero

Defrost

- Automatic hot gas defrost

Compressor (engine driven)

- Number of cylinders:6
- V-200 Displacement:8 cu. in. (131 cm³)
- V-300 Displacement:8.95 cu. in. (146.7 cm³)
- Max. recommended speed:3,000 rpm
- Jet Lube and Jet Cool (on MAX units) compressor lubrication and cooling systems

Evaporator blower performance

- Airflow volume:
- V-200 Host evaporator (ES200):650 cu. ft/min
(1100 m³/h)
- V-300 Host evaporator (ES300):765 cu. ft/min
(1300 m³/h)

Heating capacity (optional)

- Engine coolant heat:.....14400 BTU/hr (4200 W)
- Electric heater strips:.....5000 BTU/hr (1450 W)

Electric motors

- dc voltage options:12V dc
- Electric standby options:
 - 115V/1 Phase/60Hz
 - 230V/1 Phase/60Hz
 - 230V/3 Phase/60Hz
- Total current consumption on the road:
 - 12V dc 28 A
- Total standby current consumption
 - 115V/1 Phase/60Hz 13.3 A
 - 230V/1 Phase/60Hz 10.2 A
 - 230V/3 Phase/60Hz 7.9 A

REFRIGERATION CAPACITY

100°F ambient, U.S. standard.

System net cooling capacity at 100°F (38°C) ambient and 2400 compressor rpm.

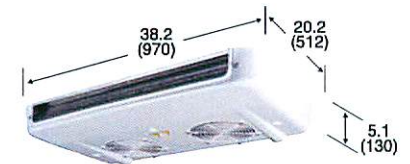
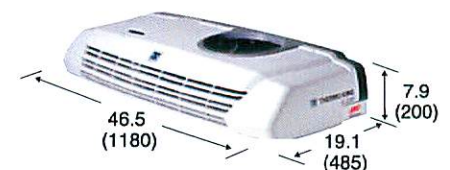
| | V-200 | | V-300 | |
|---------------------------------|-----------|------|-----------|------|
| HFC R-134a Refrigerant | | | | |
| Air return / On the road | | | | |
| 35°F (2°C) | 5930 | 1740 | 9590 | 2810 |
| 0°F (-18°C) | 3410 | 1000 | 4130 | 1210 |
| Electric standby 60Hz | | | | |
| 35°F (2°C) | 4700 | 1380 | 6690 | 1960 |
| 0°F (-18°C) | 2120 | 622 | 2425 | 710 |
| | V-200 MAX | | V-300 MAX | |
| HFC R-404A Refrigerant | | | | |
| 35°F (2°C) | 7160 | 2100 | 10015 | 2935 |
| 0°F (-18°C) | 4775 | 1400 | 5835 | 1710 |
| -20°F (-29°C) | 3170 | 930 | 3535 | 1036 |
| Electric standby 60Hz | | | | |
| 35°F (2°C) | 5250 | 1540 | 5801 | 1700 |
| 0°F (-18°C) | 3410 | 1000 | 3790 | 1110 |
| -20°F (-29°C) | 2265 | 665 | 2565 | 752 |

STANDARD FEATURES

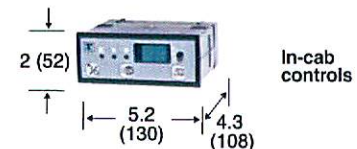
- Jet Lube compressor lubrication
- Jet Cool comp. injection cooling (MAX models)
- In-cab controls with digital LED thermometer
- Automatic hot gas defrost
- Electronic thermostat

Dimensions

inches (millimeters)



ES200 Ultra Slim evaporator



Weights (approximate)

| Condenser (w/electric) | V-200 | V-300 |
|-------------------------------|-----------------|-----------------|
| ES200 (Ultra Slim evaporator) | 29 lbs.(13 kg) | 40 lbs.(18 kg) |
| Installation kit (incl. cpr.) | 62 lbs.(28 kg) | 62 lbs.(28 kg) |
| Heating Kit | 10 lbs.(4.5 kg) | 10 lbs.(4.5 kg) |

Warranty

Terms of the Thermo King Warranty are available on request from your local Thermo King Dealer. Please reference document TK51350 for the Thermo King Vehicle-Powered Truck Unit Warranty.



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Specifications are subject to change without notice.

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