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V-300

Unmatched reliability and total versatility.



Key Points:

- Aerodynamic styling
- Durable polypropylene skin with no visible screws
- High cooling capacity on the road
- High cooling capacity on electric standby
- Designed for frozen or chill applications
- Ultra Slim evaporator for maximum load space and high airflow volume for superior temperature control
- The new speedy clip system for hoses and connections for increased reliability and ease of installation
- Low noise
- Standard 1 year warranty and 2 year Thermo Gard Bronze preventative maintenance program

V-300 Features and Options

Standard Features:

- Jet Lube™ compressor lubrication
- In-cab controls with digital LED thermometer
- Automatic hot gas defrost
- Electronic thermostat

V-300 Specifications

Description:

- The V-300 Thermo King refrigeration unit comprises two-piece split units designed for fresh and frozen applications on small trucks and vans. One compressor is powered by the vehicle's engine, while a second one is powered by an electric motor, making it possible to use electric standby to drive the unit. Models with heating are also available.

Operation:

- Start-stop on engine operation
- Automatic defrost initiation with pre-programmed solid-state timer
- Automatic defrost termination with solid-state terminator

Refrigeration Capacity: U.S. Standard - System net cooling capacity at 100 degrees F (38 degrees C) ambient and 2400 compressor rpm.

Degrees F	Degrees C	Air Return On the Road		Electric standby 60Hz	
		Btu/hr	Watts	Btu/hr	Watts
35	2	9,590	2,810	6,690	1,960
0	-18	4,130	1,210	2,425	710

Refrigerant:

- HFC R-134a
- Chlorine: Zero (non ozone depleting)
- Refrigerant charge: 3.8 lbs. (1.75 kg)

Defrost:

- Automatic hot gas defrost

Compressor (Engine Driven):

- Number of cylinders: 6
- Displacement: 8.95 cu in (146.7 cm³)
- Speed Max recommended: 3,000 rpm
- Jet Lube™ compressor lubrication system

Evaporator Blower Performance:

- Evaporator fan performance at 0 in. (0 mm) water column external static pressure:
- Airflow volume: 765 cfm (1300 m³/h)

Electric Motors:

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

Heating Options:

- Engine coolant heat for 10 models
- Engine coolant plus 115V or 230V heat strips for 20 models

System Components:

- Condenser
- Engine driven compressor
- Ultra Slim Evaporator ES300
- Installation kit
- In-cab control box

Weight: (approximate)

	lbs	kg
Condenser without electric standby	111	50
Condenser with electric standby	165	75
ES300 Evaporator	40	18
Compressor	18	8
Installation Kit	44	20

Dimensions:

	Height		Width		Depth	
Condenser	7.9 in	200 mm	46.5 in	1180 mm	19.1 in	485 mm
Evaporator	6.9 in	173 mm	39 in	983 mm	21.3 in	537 mm
In-cab Controls	2.0 in	52 mm	5.2 in	130 mm	4.3 in	108 mm

Specifications are subject to change without notice.

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