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V-300 MAX

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 deep 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 MAX Features and Options

Standard Features:

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

V-300 MAX Specifications

Description:

- The V-300 MAX Thermo King refrigeration unit comprises a two-piece split unit designed for fresh, frozen and deep frozen applications on small trucks and vans. One compressor is powered by the vehicle's engine, while the second is powered by an electric motor, making it possible to use electric stand-by 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	10,015	2,935	5,801	1,700
0	-18	5,835	1,710	3,790	1,110
-20	-29	3,535	1,036	2,565	752

Refrigerant:

- HFC R-404A
- 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™ and Jet Cool™ compressor lubrication and cooling systems

Evaporator Blower Performance:

- Evaporator fan performance at 0 in. (0 mm) water column external static pressure:
- Airflow volume: 765 cfm (1,300 m³/hr)

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

Heating Options:

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

System Components:

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

Weight: (approximate)	lbs	kg
Condenser without electric standby	111	50
Condenser with electric standby	165	75
ES300 MAX 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	39.0 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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