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C-100

Guaranteed protection for chilled products.

Key Points:

- Designed exclusively for fresh product applications
- User-friendly
- Minimum maintenance costs
- Ultra Slim evaporator
- [New M-15 II In-cab Controller microprocessor based](#)

C-100 Features and Options

Standard Features:

- Constant air circulation
- Automatic evaporator defrost by fan
- [Digital In-cab Controller with simple on-off control and temperature preset](#)
- Electronic thermostat with fixed setpoint

C-100 Specifications

Description:

- The C-100 Thermo King refrigeration unit is a cooling system with a vehicle engine driven compressor designed for fresh applications on direct drive trucks and vans.

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

Air Return On the Road		with ES 100C Evaporator	
Degrees F	Degrees C	Btu/hr	Watts
37	3	4,520	1,325

Refrigeration Capacity: European Standard - System net cooling capacity under ATP conditions including 30 degrees C (86 degrees F) ambient.

Air Return On the Road		with ES 100C Evaporator	
Degrees C	Degrees F	Watts	Btu/hr
3	37	1,470	5,020

Refrigerant:

- HFC R-134a
- Chlorine: Zero
- Refrigerant charge - 1.76 lbs (0.8 kg)

Defrost:

- Evaporator fans run continuously during "compressor off" cycle

Compressor (Engine Driven):

- Number of cylinders: 6
- Displacement: 5.0 cu in (82.0 cm³)
- Speed Max recommended: 3,000 rpm

Evaporator Blower Performance:

- Evaporator fan performance at 0 in. (0 mm) water column external static pressure:
- Airflow volume: 400 cfm (680 m³/h)

Electric Motors:

- dc voltage options: 12Vdc and 24Vdc
- Total current consumption:
 - 12 Vdc - 16 A
 - 24 Vdc - 8 A

System Components:

- Condenser
- Evaporator ES 100C
- Engine driven compressor

■ In-cab control box

Weight: (approximate)

lbs kg

Condenser		84	38
ES 100C (Ultra Slim Evap)		19	8.5

Dimensions:

Height

Width

Depth

Condenser	7.9 in	200 mm	31.1 in	789 mm	19.7 in	500 mm
ES 100C (Ultra Slim Evap)	7.4 in	187 mm	24.0 in	608 mm	19.3 in	490 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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