

THERMO KING

D5

A modular integrated system for School Bus and Transit applications.



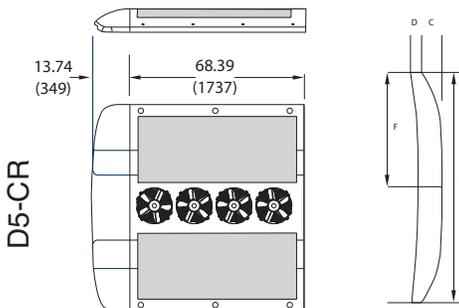
A heavy-duty air conditioning system with the added capacity for school bus and transit.

The D5 System:

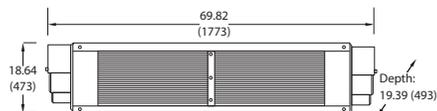
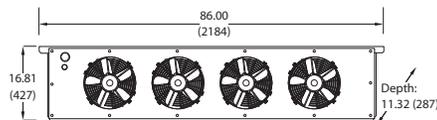
- Highest airflow in its class
- More capacity than similarly-sized systems
- Rooftop or skirt-mounted condenser
- Corrosion-resistant aluminum frame
- Single evaporator motor for ease-of-service
- ClimaAIRE™ II advanced microprocessor controller
- Rugged X430 compressor comes standard
- Low-noise condenser fans



Dimensions inches (millimeters)



Radius	C	D	E	F
11 METER	7.66	1.21	(72.69)	(36.35)
7.5 METER	7.61	1.81	(72.76)	(36.37)
5 METER	7.44	2.92	(72.85)	(36.42)



The D5 is a modular system consisting of an evaporator unit, D5-E, that is mounted at the back of the bus to the interior of the roof or on a structural attachment to the bus frame. The evaporator unit is connected to either an optional skirt-mounted condenser, D5-CS, or to an optional rooftop condenser, D5-CR. The supply air is distributed through ducts running on each side of the bus. Access to the fuse panel and circuit breakers is provided through a panel on the rear of the unit.

The ClimaAire II™ Control System is Thermo King's newest computerized control system. It provides the driver simple, but total, control of the vehicle's internal environment. Also provided is safety shutdown with red light indication. The ClimaAIRE II diagnostic feature provides compressor and system hourmeters for preventative maintenance planning and scheduling. The system shuts down to prevent costly failure in the event of a system shutdown. A yellow alarm indicator and a record of alarm codes aid in troubleshooting and repair.

System Cooling Capacity

Rated Capacities:

BTU/hr	kW	Kcal/hr
85,000	24.9	21,421

Rated capacities are at following conditions:

Outside	35°C/95°F
Inside	27°C/80°F DB
	19°C/67°F WB

Evaporator Airflow

0 mm (0 in.) water column
external static pressure
High Speed 3,740 m³/hr (2200 ft³/min)

Refrigerant

HFC R-134a

Compressor Options

Thermo King Model X426 - X430
Reciprocating Compressor

Power Consumption

95 Amps @27.5 VDC

WEIGHT (approximate)

D5E	87 kg	(195 lbs)
D5CS	78 kg	(172 lbs)
D5CR	121 kg	(267 lbs)

Compressor Weight

WITH CLUTCH (approximate)

X426/X430	52.2 kg	(115 lbs)
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Worldwide Service Organization

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

Warranty Summary

Terms of the Thermo King Warranty are available on request from your local Thermo King dealer. Please reference document TK50049 for the Thermo King Bus Unit Warranty.



Providing equipment and services to manage controlled-temperature environments for food and other temperature-sensitive products, 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 systems, and Hussmann®, a manufacturer of refrigeration and food merchandising equipment.

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