

# RLF2

## Rooftop HVAC System

The RLF2 is a lightweight, high-performance roof-mounted system, offering a wide range of comfort cooling and heating. The unique one-piece design allows for easy installation on diesel buses without sacrificing reliability, performance, weight, or cost.



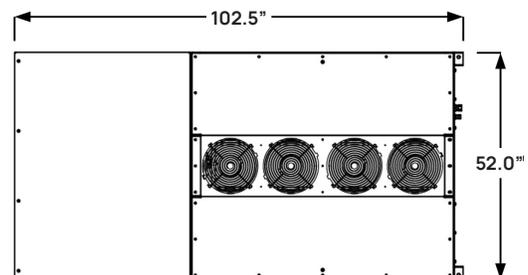
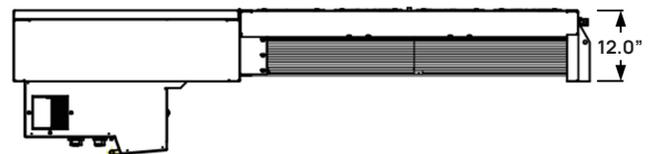
### STANDARD FEATURES

- IntelligAIRE® III control system
- Thermo King X430 reciprocating or S391 screw compressor
- High-performance R-407C or R-134A
- Motorized water valve
- Next generation brushless motors

### OPTIONAL FEATURES

- Programmable electronic capacity control
- Side or bottom coolant connections
- Static or damper-controlled fresh air module
- Air purification solution
- 1/4" or 3/8" charge fittings

### DIMENSIONS



# RLF2 SYSTEM PERFORMANCE

## SYSTEM COOLING CAPACITY (RATED CAPACITY)

	R-134a	R-407C
BTU/hr	88,500	105,000
kW	25.9	30.8

Capacity Rating Conditions

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

## SYSTEM HEATING CAPACITY

At 30 L/Min. (8 GPM) coolant flow rate and 55°C (100°F) temperature differential between return air and coolant

BTU/hr	105,000
kW	30.8

## EVAPORATOR AIR FLOW

0 in. water column external static pressure

Variable Speed	2,400 ft <sup>3</sup> /min (max)
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## CONDENSER AIR FLOW

Variable Speed	6,000 ft <sup>3</sup> /min (max)
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## EVAPORATOR MOTOR/FAN

Type	Brushless
Expected Life (Bearing L10 Life)	58,700 hrs

## CONDENSER MOTOR/FAN

Type	Brushless
Expected Life (Bearing L10 Life)	58,700 hrs

## COIL COATING

E-coat with UV top coat

## POWER CONSUMPTION @ 27 VDC

102 amps

## REFRIGERANT

HFC R-407C or HFC R-134a

## UNIT WEIGHT

402 lbs (182 kg)

## DIMENSIONS (LxWxH)

	Length	Width	Height
Unit	102.5" (2,604 mm)	52.0" (1,321 mm)	12.0" (305 mm)

## COMPRESSOR PERFORMANCE

	X430	S391
Type	Reciprocating	Helical Lobed Screw
Frequency Range	800-3,000 RPM	500-3,000 RPM
Clutch Power Consumption @ 24 VDC	3.5 amps	3.5 amps
Weight	113 lbs (51 kg)	145 lbs (66 kg)
Dimensions (LxWxH)	16.6" x 13.8" x 17.1"	18.4" x 13.9" x 16.1"

## WARRANTY

Standard	24 months, unlimited hours - parts and labor
Extended	Contact your local Thermo King dealer for terms



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