

# RLFE2 & RLFE3

## All-Electric Rooftop HVAC Solutions

Redefine passenger comfort and energy efficiency for buses with Thermo King® all-electric bus HVAC units, a part of the evolve™ portfolio. The RLFE2/3 are high-performance roof mount systems, offering wide ranges of comfort cooling and heating, contributing to your organization's decarbonization efforts.



RLFE2 unit

### STANDARD FEATURES

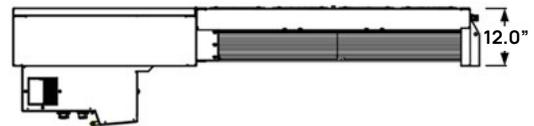
- IntelligAIRE® III control system
- Fixed or variable speed hermetic scroll compressors
- High-performance R-407C
- Motorized water valve
- Next generation brushless motors
- 230 VAC or 380 VAC system

### OPTIONAL FEATURES

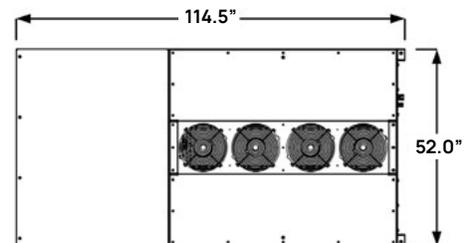
- Programmable electronic capacity control
- Side coolant connections
- Static or damper-controlled fresh air module
- Charging rail provisions
- Air purification solution
- 1/4" or 3/8" charge fittings

### DIMENSIONS

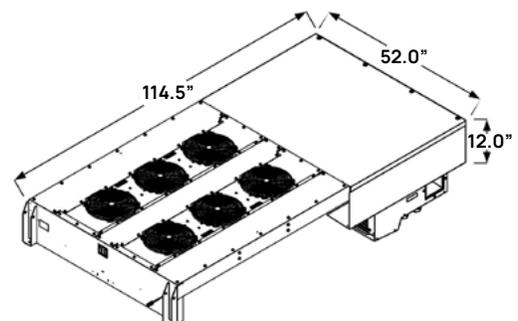
#### RLFE2



#### RLFE2



#### RLFE3



# RLFE2 & RLFE3 SYSTEM PERFORMANCE

## SYSTEM COOLING CAPACITY (RATED CAPACITY)

	RLFE2	RLFE3
BTU/hr	80,000 @ 60 Hz 230V 85,000 @ 70 Hz 380V	90,000 @ 60 Hz 230V 90,000 @ 70 Hz 380V
kW	23.4 24.9	26.4
Capacity Rating Conditions (both units)	<b>Outside:</b> 35°C/95°F <b>Inside:</b> 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	105,000
kW	30.8	30.8

## EVAPORATOR AIR FLOW

0 in. water column external static pressure

Variable Speed	2,400 ft <sup>3</sup> /min (max)	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)	8,500 ft <sup>3</sup> /min (max)
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## EVAPORATOR MOTOR/FAN

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

## CONDENSER MOTOR/FAN

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

## COIL COATING

	E-coat with UV top coat	E-coat with UV top coat
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## POWER CONSUMPTION @ 27 VDC

	102 amps	125 amps
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## REFRIGERANT

	HFC R-407C	HFC R-407C
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## UNIT WEIGHT

Unit	600 lbs (272 kg)	630 lbs (285 kg)
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## DIMENSIONS (LxWxH)

	Length	Width	Height
Both Units	114.5" (2,908 mm)	52.0" (1,321 mm)	12.0" (305 mm)

## COMPRESSOR PERFORMANCE

	Tandem Hermetic Electric Scroll	Tandem Hermetic Electric Scroll
Frequency Range		
Fixed Speed	60 Hz	60Hz
Variable Speed	50-60 Hz @ 230 VAC 50-70 Hz @ 380 VAC	50-60 Hz @ 230 VAC 50-70 Hz @ 380 VAC
Power Consumption		
Max Continuous @ 230-3-60 VAC	46 amps (total)	50 amps (total)
Max Continuous @ 380-3-60 VAC	24.6 amps (total)	24.6 amps (total)
Weight	170 lbs (77 kg) (total)	185 lbs (84 kg) (total)
Dimensions (LxWxH)	17.0" x 9.7" x 9.7" (each)	17.0" x 9.7" x 9.7" 17.8" x 9.7" x 9.7"

### WARRANTY (RLFE2 & RLFE3)

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



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