

TE15

All-Electric Bus HVAC System

Redefine passenger comfort and energy efficiency on buses with Thermo King® all-electric HVAC units, part of the evolve™ portfolio. The TE15 is a one-piece, rear-mounted unit featuring a unique split-circuit design. Both circuits can operate simultaneously or independently, providing a wide range of cooling and heating capacities, while supporting your organization's decarbonization efforts.



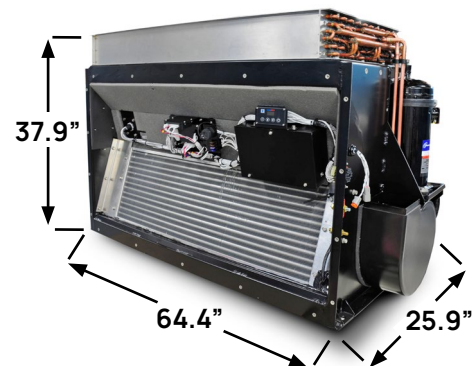
STANDARD FEATURES

- IntelligAIRE® III control system
- Fixed or variable speed hermetic scroll compressors
- 230 VAC or 380 VAC system
- High-performance R-407C
- Brushless motors

OPTIONAL FEATURES

- Air purification solution
- IntelligAIRE® III electronic pressure display module
- Static or motorized damper-controlled fresh air module
- Auxiliary refrigerant ports for driver evaporator box
- Motorized water valve
- 3/8" charge fittings
- High performance model with auxiliary condenser for extreme ambient operation

DIMENSIONS



TE15 SYSTEM PERFORMANCE

SYSTEM COOLING CAPACITY (RATED CAPACITY)

BTU/hr	TE15 76,000 @ 60 Hz 230V 87,000 @ 70 Hz 380V
kW	22.3 @ 60 Hz 230V 25.5 @ 70 Hz 380V
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	98,000
kW	28.7

EVAPORATOR AIR FLOW

0 in. water column external static pressure	
Variable Speed	2,250 ft ³ /min (max)

CONDENSER AIR FLOW

Variable Speed	5,200 ft ³ /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	45,000 hrs

COIL COATING	E-coat with UV top coat
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POWER CONSUMPTION @ 27 VDC	108 amps
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REFRIGERANT	HFC R-407C
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UNIT WEIGHT	566 lbs (257 kg)
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DIMENSIONS (LxWxH)	Length	Width	Height
Unit	64.4" (1,636 mm)	25.9" (683 mm)	37.9" (902 mm)

COMPRESSOR PERFORMANCE

		Hermetic Electric Scroll (2)
Frequency Range		
Fixed Speed	60 Hz	
Variable Speed	50-70 Hz @ 230 VAC 50-70 Hz @ 380 VAC	
Power Consumption		
Max Continuous @ 230-3-60 VAC	58.0 amps (total)	
Max Continuous @ 380-3-60 VAC	24.6 amps (total)	
Weight	160 lbs (73 kg) (total)	
Dimensions (LxWxH)	17.75" x 7.5" x 7.5" (each)	



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