

TE14

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 TE14 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.



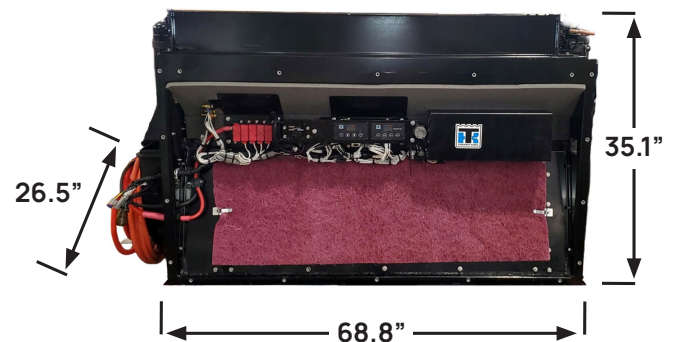
STANDARD FEATURES

- IntelligAIRE® III control system
- Fixed speed hermetic scroll compressors
- High-performance R-407C
- Motorized water valve
- 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

DIMENSIONS



TE14 SYSTEM PERFORMANCE

SYSTEM COOLING CAPACITY (RATED CAPACITY)		TE14
BTU/hr		78,000
kW		22.9
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)

EVAPORATOR MOTOR/FAN	
Type	Brushless
Expected Life (Bearing L10 Life)	58,700 hrs

CONDENSER MOTOR/FAN	
Type	Brushless
Expected Life (Bearing L10 Life)	45,000 hrs

COIL COATING	E-coat with UV top coat
---------------------	-------------------------

POWER CONSUMPTION @ 27 VDC	105 amps
-----------------------------------	----------

REFRIGERANT	HFC R-407C
--------------------	------------

UNIT WEIGHT	570 lbs (259 kg)
--------------------	------------------

DIMENSIONS (LxWxH)	Length	Width	Height
Unit	68.8" (1,748 mm)	26.5" (673 mm)	35.1" (982 mm)

COMPRESSOR PERFORMANCE		Hermetic Electric Scroll (2)
Frequency		60 Hz
Power Consumption (Max Continuous @ 230-3-60 VAC)		50 amps (total)
Weight		185 lbs (84 kg) (total)
Dimensions (LxWxH)		17.0" x 9.7" x 9.7" 17.8" x 9.7" x 9.7"

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

