

# TE18

## All-Electric Bus HVAC Solution

Redefine passenger comfort and energy efficiency for buses with Thermo King® all-electric bus HVAC units, a part of the evolve™ portfolio. The TE18, consisting of a rear mount evaporator section and rooftop condenser, offers a wide range of comfort cooling and heating, contributing to your organization's decarbonization efforts.



### STANDARD FEATURES

- 2-piece system:
  - Large capacity roof mounted condenser
  - Shelf/rear mounted evaporator and compressor
- IntelligAIRE® III Control System
- Single variable speed scroll compressor
- High-performance R-407C
- Battery chiller integral to unit
- Inverter integral to unit
- Variable speed backwards inclined blowers (includes noise suppression)

### OPTIONAL FEATURES

- Heat pump system
- Air purification solution
- Fresh air damper

### DIMENSIONS



# TE18 SYSTEM PERFORMANCE

## SYSTEM COOLING CAPACITY (RATED CAPACITY)

|        |        |
|--------|--------|
| BTU/hr | 92,500 |
| kW     | 27.1   |

Without Chiller

Capacity Rating Conditions

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

## SYSTEM HEATING CAPACITY (Hot water)

|        |         |
|--------|---------|
| BTU/hr | 105,000 |
| kW     | 30.8    |

## EVAPORATOR AIR FLOW (0 in. water column external static pressure)

|                |                                  |
|----------------|----------------------------------|
| Variable Speed | 2,700 ft <sup>3</sup> /min (max) |
|----------------|----------------------------------|

## CONDENSER AIR FLOW

|                |                                  |
|----------------|----------------------------------|
| Variable Speed | 8,500 ft <sup>3</sup> /min (max) |
|----------------|----------------------------------|

## EVAPORATOR MOTOR/FAN

|               |            |
|---------------|------------|
| Type          | Brushless  |
| Expected Life | 40,000 hrs |

## CONDENSER MOTOR/FAN

|               |            |
|---------------|------------|
| Type          | Brushless  |
| Expected Life | 40,000 hrs |

## COIL COATING

E-coat with UV top coat

## POWER CONSUMPTION @ 27 VDC

125 amps

## REFRIGERANT

HFC R-407C

## WEIGHT

|            |                  |
|------------|------------------|
| Evaporator | 428 lbs (194 kg) |
| Condenser  | 185 lbs (84 kg)  |

## DIMENSIONS (LxWxH)

|            | Length           | Width            | Height         |
|------------|------------------|------------------|----------------|
| Evaporator | 29.7" (754 mm)   | 59.0" (1,499 mm) | 30.3" (770 mm) |
| Condenser  | 60.2" (1,529 mm) | 52.0" (1,321 mm) | 12.1" (307 mm) |

## COMPRESSOR PERFORMANCE

|  |                 |                |               |
|--|-----------------|----------------|---------------|
| Type                                   | Hermetic Scroll |                |               |
| Frequency Range                        | 25-90 Hz        |                |               |
| Power Consumption @ 380-3-75 (nominal) | 26 amps (max)   |                |               |
| Weight                                 | 109 lbs (49 kg) |                |               |
| Dimensions                             | 22.3" (567 mm)  | 11.5" (291 mm) | 7.5" (191 mm) |

## WARRANTY

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



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57606-3-PL (12-25)

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