

T14

Rear Mount HVAC System

Thermo King T-Series units have been reliable, high performance, rear-mount HVAC systems for over 40 years. The T14 is a lightweight, one-piece system engineered for diesel and compressed natural gas buses.



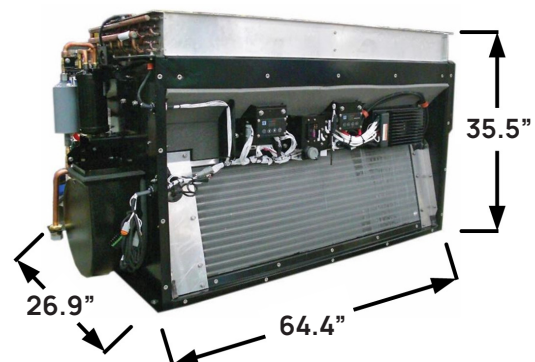
STANDARD FEATURES

- IntelligAIRE® III control system
- Thermo King X430 reciprocating or S391/S616 screw compressors
- R-134a or 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
- Motorized water valve
- Auxiliary refrigerant ports for driver evaporator box
- 3/8" charge fittings
- High performance model with auxiliary condenser for extreme ambient operation

DIMENSIONS



T14 SYSTEM PERFORMANCE

SYSTEM COOLING CAPACITY (RATED CAPACITY)		R-134a	R-407C	
BTU/hr		86,000 94,000 (S616)	101,000	
kW		25.2 27.6 (S616)	29.6	
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		109 amps		
REFRIGERANT		HFC R-134a or HFC R-407C		
UNIT WEIGHT		375 lbs (170 kg)		
DIMENSIONS (LxWxH)		Length	Width	Height
Unit		66.9" (1,699 mm)	26.5" (673 mm)	35.5" (902 mm)
COMPRESSOR PERFORMANCE		S616 (R-134a only)	S391	X430
Type		Helical Lobed Screw	Helical Lobed Screw	Reciprocating
Operating Speed		500-3,000 RPM	500-3,000 RPM	800-3,000 RPM
Clutch Power Consumption @ 24 VDC		3.5 amps	3.5 amps	3.5 amps
Weight (with clutch)		145 lbs (66kg)	145 lbs (66kg)	113 lbs (51kg)
Dimensions (LxWxH)		18.4" x 13.9" x 16.1"	18.4" x 13.9" x 16.1"	16.6" x 13.8" x 17.1"
WARRANTY				
Standard		24 months, unlimited hours - parts and labor		
Extended		Contact your local Thermo King dealer for terms		



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