



Heavy Duty Transit Climate Control

TA 176R with C-647 Compressor



T/A 17 Evaporator

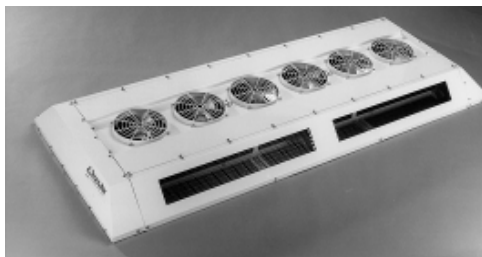
FEATURES:

- 130K Btu capacity for heavy duty transit applications
- High efficiency blowers for maximum air flow (2400 cfm)
- Enhanced coil for highest capacity
- ORS reusable hose and fittings prevent leaks
- Compatible with all T/A ducts for flexibility



Transit Compressor

- Large displacement 39.4 cid for transit applications
- Clutch & pulley optimize performance at idle speed
- Mount kits engineered for maximum reliability
- Precise alignment & tensioning for long belt life
- Unloader increases longevity and fuel efficiency



RTC-6 Condenser

- RTC6 capacity: 164K BTU/hr
- Excellent for hostile high ambient environments
- For use when skirt space is limited or unavailable
- Low profile design for maximum clearance

All components backed by industry exclusive 2 year, unlimited mileage limited warranty



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FM 39947

Trans/Air Manufacturing Corp. is an ISO 9001:2000 registered firm committed to providing world class climate control products and services to the bus and commercial vehicle markets.

System Specifications

TA176R CD (1) C647

GENERAL

Configuration: A complete Trans/Air corner ducted system consisting of (1) TA17 evaporator, (1) RTC-6 condenser, and (1) C647 transit compressor installed with a Trans/Air supplied mount kit.

QUALITY SYSTEM

Air conditioning company shall be registered to ISO 9001:2000 by an accredited auditor.

TOTAL SYSTEM

Cooling Capacity: 130K BTU/hr
Air Flow: 2400 ft³/min
Amperage: 58 A @ 27 Vdc

EVAPORATOR

Model: TA17
Capacity: 130K BTU/hr
Coil Construction: Advanced aluminum fins on 3/8" internally enhanced copper tubing
Expansion Valve: Externally equalized thermostatic type
Blower Assembly: (2) blowers with single wheel
Total Air Flow: 2400 ft³/min
Motors: High performance single shaft, permanent magnet
Amperage: 39 A @ 27 Vdc
Housing: Galvannealed steel with powder coating and stainless steel fasteners
Specification: All interior components shall meet FMVSS 302 fire retardant specifications.

CONDENSER

Model: RTC-6
Capacity: 162 K BTU/hr
Condenser Coil: (2) 78.25 x 5.88 (460 in² face area)
Fan Assembly: (6) 5 blade, 10 in diameter
Motor Type: Axial, permanent magnet w/ball bearings
Amperage: 19.0 A @ 27 vdc
Total Air Flow: 4500 ft³/min
Filter Drier: (2) 30 in³
Cond Housing: Aluminum

COMPRESSORS/

MOUNTS

Compressor: C647 (39.4 cid)
Unloader: 50/50 electronic unloader
Protection: Thermal overload with pressure relief valve and high/low pressure switches.
Specification: Mounts shall meet SAE J637 belt alignment specifications.

ELECTRICAL

Model: Basic II
Fan Controls: 3 speed rotary or rocker switch @ driver
Temp Controls: Rotary manual or digital thermostat @driver
Protection: Fused main power distribution with individually fused motor.
Wiring: Color coded in fire proof loom
Specification: All wiring and electrical controls shall meet SAE J1292 electrical specifications.

PIPING

Hose: Aeroquip carbon steel reinforced
Fittings: Aeroquip reusable ORS
Specification: Fittings/hose shall meet SAE J2064 hose fitting integrity specifications.

WARRANTY

Duration: 2 years
Mileage: Unlimited
Inception: Date of in-service
Dealer demo: 6 month, 6000 miles
Coverage: All components and installation if installation is provided by Trans/Air.