

SERIES 5QT REPLACEMENT CHASSIS

Carrier 50QT



ADIRONDACK-AIRE



The Adirondack-Aire 5QT Series zerOzone chassis provides environment friendly, high efficiency cooling and heating where individual, quiet control is a priority. This application flexible unit is a direct replacement for Carrier 50QT series 1 1/2 and 2-ton reverse cycle defrost heat pump chassis. The chassis is a part of a complete system, which consists of the chassis, a wall sleeve/cabinet with louver that is typically built into the building exterior wall, ductwork, and wall thermostat.

The chassis contains the compressor, indoor and outdoor heat exchangers, evaporator and condenser motors and fans, electric heaters, and all controls except the wall thermostat. The chassis slides into the sleeve/cabinet for easy removal.

The 5QT chassis is dimensionally identical to the original for a fast, easy, and trouble-free installation. Proven technology, quality components, careful design and testing, and the latest in environment friendly technology mean long unit life, user satisfaction, and lower energy costs.

These full-range heat pump units with reverse cycle defrost include a bi-flow thermostatic expansion valve, oversized suction accumulator, electronic defrost control, compressor crankcase heater, built-in electric heaters with overheat protection, high efficiency PSC evaporator and condenser blower motors, and dynamically balanced DWDI blower wheels. Also standard is the Rust-Block* corrosion protection system, evaporator freeze protection, high-pressure over protection, and lock out circuit. Adirondack-Aire backs the 5QT with a customer friendly one-year parts and labor warranty and five-year compressor warranty, (see Warranty document for details).

* Rust-Block corrosion protection system consists of: heavy gauge galvanized steel construction, stainless steel compressor, powder painted drain pans, and Magnaguard and/or stainless steel screws and fasteners.

APPLICATION & BENEFITS



FAST AND EASY REPLACEMENT

The Adirondack-Aire 5QT series replacement chassis fits the existing Carrier 1 1/2 and 2-ton wall sleeve/cabinet and works with the existing wall thermostat, ductwork, and architectural aluminum outdoor louver. Because the chassis dimensions and construction details are like the original, replacement work is fast and easy. The condensate drain lines up with the original. Full-range heat pump operation minimizes the need for back-up electric heat. The 1 1/2 and 2-ton chassis differ dimensionally and are NOT interchangeable. For stamped louver applications, a new Adirondack-Aire-supplied louver must be installed. If the original unit has a stamped-style outdoor louver, it must be replaced with a new Adirondack-Aire louver. Using Adirondack-Aire replacements eliminates the need for room and exterior wall renovation and is the solution that gets your property back in service quickly and at the lowest total cost.



DAMAGE PROTECTION

The standard high-pressure switch stops unit operation before damage occurs, should airflow become reduced or obstructed due to dirty coils, obstructed airflow, or motor failure or lock up. An electronic control assures precise defrost cycles to maximize efficiency and enhance reliability. The Rust-Block system assures a stain-free building exterior. Built-in electric heat/blower module uses a slide-out design for easy room-side service. The problem-prone original electrical connector is eliminated while preserving dual power supply connections.



OPTIONS AND ACCESSORIES

- Stamped louver (required if original is stamped)
- Digital wall thermostat

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ADIRONDACK AIR

Performance Ratings*

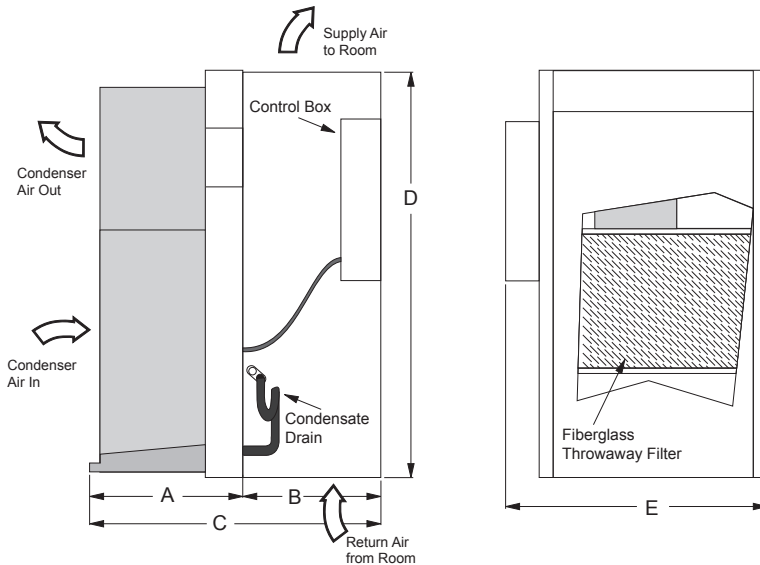
Model	Cooling			Heating		CFM	Refrigerant
	Btuh	Sens Btuh	EER	Btuh	COP		
5QT-18	17,800	12,500	8.0	18,000	2.7	500	R-410A
5QT-24	21,400	14,700	8.1	22,000	2.9	680	R-410A

Continuous engineering improvements may result in performance changes without notice.

* Rated in accordance with ARI

Unit Sizes

Model	A	B	C	D	E	Filter Size	Chassis Weight (lbs)
	Inches						
5QT-18	16 1/2	11 1/2	28	43 7/8	28 3/16	1 x 16 x 20	276
5QT-24	16 1/2	14 7/8	31 3/8	43 7/8	28 3/16	1 x 20 x 25	276



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