

# Series 5QT

## Carrier 50QT

Application Flexible | Fast and Easy Replacement | Damage Protection



# ADIRONDACK-AIRE 5QT CHASSIS SERIES

*Replaces Carrier 50QT*

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.

## Standard Features:

- Made in the USA
- Designed for easy installation and compatibility. Dimensionally identical to original Carrier chassis
- Full range heat pump operation with reverse cycle defrost
- Exclusive Rust-Block corrosion protection
- High efficiency PSC-type evaporator and condenser fan motors with built-in temperature protection
- UL listed components and construction
- Quiet, durable and efficient compressor with built-in pressure and temperature protection
- Heavy gauge G90 galvanized steel construction
- Powder painted drain pans
- High efficiency copper tube-aluminum fin evaporator and condenser coils
- DWDI centrifugal evaporator and condenser blowers
- Electronic defrost control
- Oversized suction accumulator
- Nichrome electric heaters with built-in limit switches
- Slide-out electric heater/blower module for easy room-side service
- Compressor crankcase heater
- High pressure switch with lock-out circuit
- Refrigerant circuit access ports
- Thermostatic-biflow expansion valve
- Positive shift reversing valve
- Precision charged with zerOzone R-410A refrigerant

## Electrical Data

Model	Compressor Type	Voltage Volt-Hz-Ph	Evaporator Motor		Condenser Motor		Compressor		Total Amps	Min. Ckt Ampac.	Max Fuse Size	Min Volts
			Amps	HP	Amps	HP	RLA	LRA				
5QT-18	Recip.	208/230/60/1	1.5	1/5	1.4	1/4	7.9	42.0	10.8	12.8	15	197
5QT-24	Recip.	208/230/60/1	1.2	1/5	1.4	1/4	9.2	49.1	11.8	14.1	20	197



## Electric Heat Specifications

Model	Voltage HZ/PH	KW	Heater Amps	Min Ckt Ampacity	Max Fuse Size
5QT-18 (WCA)	208/230/60/1	3.9/4.8	18.8/20.8	25/28	25A/30A
5QT-18 (WCA)	208/230/60/1	5.6/6.9	27.1/30.0	36/39	40A/40A
5QT-24 (WCW)	208/230/60/1	7.8/9.6	37.5/41.8	47/53	50A/50A

# 5QT CHASSIS 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

## Performance Ratings\*

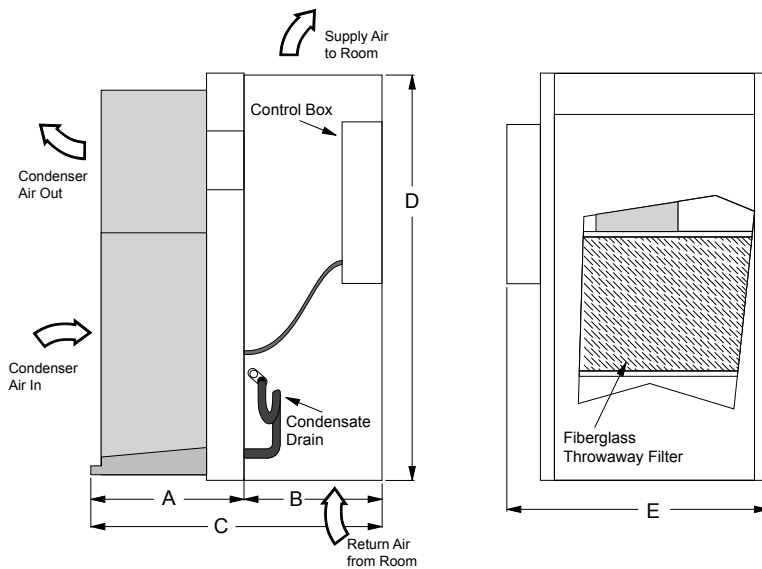
Model	Cooling			Heating		CFM	Refrigerant
	Btuh	Sens Btuh	EER	Btuh	COP		
5QT-18	17,800	12,500	8.0	15,500	2.8	500	R-410A
5QT-24	21,400	14,700	8.1	20,500	2.9	680	R-410A

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



# INNOVATIVE HEATING AND COOLING SOLUTIONS

Cold Point equipment has been specified in hundreds of projects in these and other applications:  
Direct Replacement | New Construction | Renovation | Commercial & Residential Solutions

## Cold Point values reliability as much as you

Your Cold Point sales representative knows their reputation is on the line with every sale. Therefore, they are as personally invested in your comfort as you are, and take great pride in creating your perfect indoor environment.

## Rest comfortably, knowing Cold Point stands behind our products

The Cold Point Corporation backs our products with a standard warranty that includes labor for the entire first year of ownership. Registered Limited Warranty terms include: 12 month limited warranty on components, 60 month limited warranty on all unit compressors from the date of original installation OR 15 months limited warranty on components, 63 month limited warranty on all unit compressors from the date of original sale, whichever comes first. For all coverage options and complete coverage terms, check with your local Cold Point representative for full details.

## Industry-leading expertise

Cold Point Corporation is the industry-leading supplier of aftermarket comfort solutions for commercial and residential applications. We have over 18 years of experience developing OEM-style replacement products to keep you happy and comfortable. Whether it is a water source heat pump application or an air source PTAC system, Cold Point has the knowledge and products to restore your system to its original operating condition.

## Reliable comfort products backed by the industry experts in OEM-style replacement units

To learn more about how the Cold Point Corporation can help you save time and money on your next project, contact your local Cold Point representative. Call **315-339-2331** to speak with one of our specialists, or e-mail your request to [info@coldpointcorp.com](mailto:info@coldpointcorp.com).

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