



COLD POINT

PACKAGED HEAT PUMP CHASSIS

SERIES

5QT

NOMINAL CAPACITY:

Replacement Chassis for Carrier '50QT' Series Packaged Heat Pump

18,000, 24,000 BTU/h

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MADE IN USA

Description:

Cold Point '5QT' Series is direct replacement for *Carrier '50QT' series* 1½ & 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 new 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 reliability and efficiency advances assure long life, user satisfaction, and lower energy cost! These **full-range heat pump** units with **reverse cycle defrost** include: **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** & dynamically balanced **DWDI blower wheels**. Also standard are: **Rust-Block*** corrosion protection system, evaporator **freeze protection**, **high-pressure over protection**, and **lockout circuit**. *Cold Point Corp.* backs the '5QT' with a customer friendly **one-year parts and labor warranty** and **five-year compressor warranty**, (see *Warranty* document for details).

Application & Benefits:

The *Cold Point '5QT'* series replacement chassis **fits the existing Carrier 1½ & 2-ton wall sleeve/cabinet** and works with the existing **wall thermostat, ductwork, and architectural aluminum outdoor louver**. 1½ & 2-ton chassis differ dimensionally and are **NOT** interchangeable. For **stamped louver** applications a **new Cold Point** supplied louver **must be installed**. The **built-in electric heat/blower** module is a slide out design for **easy room side service**. The problem prone original **electrical connector is eliminated** while preserving **dual power supply connections**. The **condensate drain** lines up with the original. Full-range heat pump operation **minimizes** the need for **back-up electric heat**. 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 failures or lock-up. Electronic control assures **precise defrost cycles** to maximize **efficiency** and enhance **reliability**. The **Rust-Block** system assures a **stain-free** building exterior. High efficiency compressors provide demonstrated **reliability** and **low sound** levels and **cut energy costs**...and because the chassis dimensions and construction details are like the original, replacement work is **fast and easy**. Using *Cold Point* 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**. If the original unit has a 'stamped' style outdoor louver it **MUST** be replaced with a new *Cold Point* louver. Choose the optional **wall sleeve/cabinet** for a **complete renovation** or **new construction** installation.

Options/Accessories:



•Stamped Louver
(required if original is stamped)

•Digital Wall Thermostat

* Rust-Block corrosion protection system consists of:

•Heavy gauge galvanized steel construction

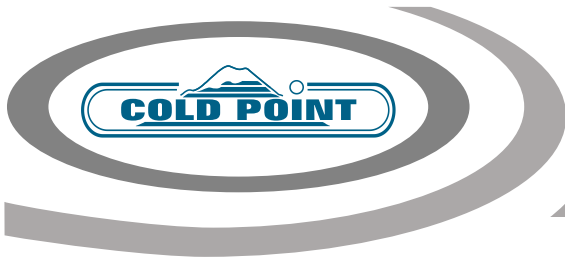
•Stainless steel compressor

•Powder painted drain pans

•Magnaguard and/or stainless steel screws and fasteners

Standard Features

- 1). Made in USA
- 2). Designed for easy installation & compatibility. Dimensionally identical to original *Carrier chassis*.
- 3). Full range heat pump operation with reverse cycle defrost
- 4). Exclusive **Rust-Block corrosion protection**
- 5). High efficiency PSC type evaporator & condenser fan motors w/built-in temperature protection
- 6). UL listed components and construction
- 7). Quiet, durable, and efficient compressor with built-in pressure & temperature protection
- 8). Heavy Gauge G90 galvanized steel construction
- 9). Powder painted drain pans
- 10). High efficiency copper tube-aluminum fin evaporator and condenser coils
- 11). DWDI centrifugal evaporator & condenser blowers
- 12). Electronic defrost control
- 13). Oversized suction accumulator
- 14). Nichrome electric heaters w/buit-in limit switches
- 15). Slide out electric heater/blower module for easy room side service
- 16). Compressor crankcase heater
- 17). Evaporator coil freeze protection
- 18). High pressure switch with lock-out circuit
- 19). Refrigerant circuit access ports
- 20). Thermostatic-biflow expansion valve
- 21). Positive shift reversing valve
- 22). Precision charged with R-22 refrigerant

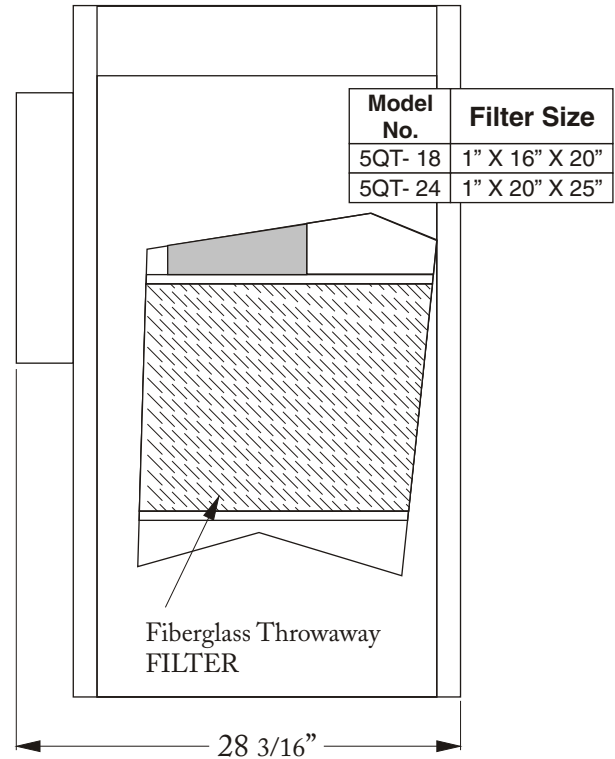
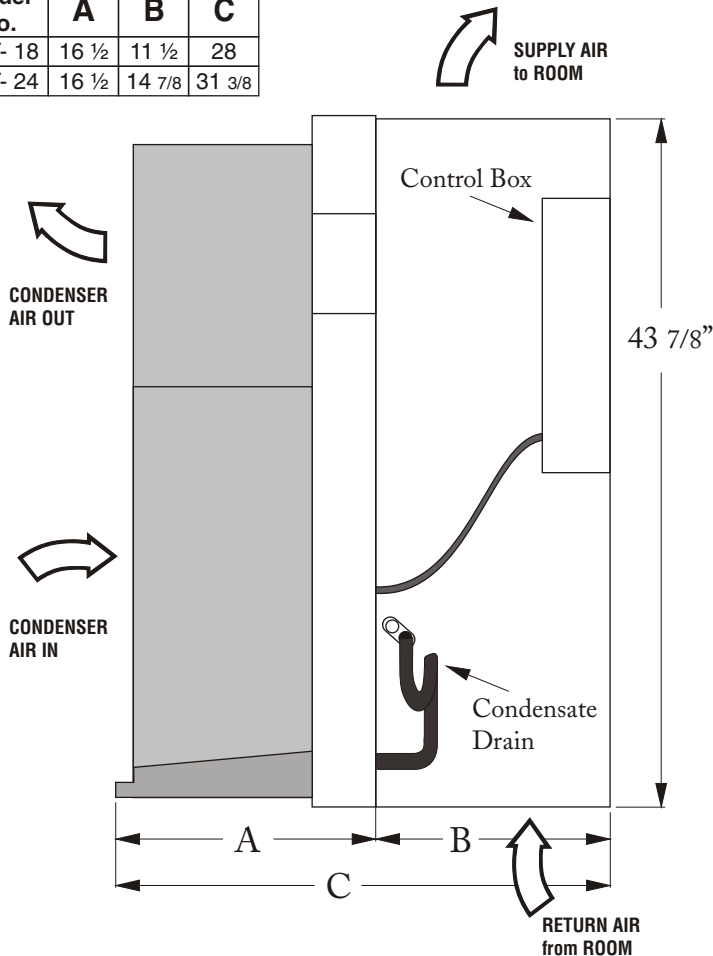


5QT Dimensions and Specifications

Note: Due to Cold Point Corporation's ongoing quality & product development programs, design and specifications may change. Always consult factory to verify the information provided here.

DIMENSIONAL DETAIL '5QT'

Model No.	A	B	C
5QT- 18	16 ½	11 ½	28
5QT- 24	16 ½	14 7/8	31 3/8



5QT- Packaged Heat Pump Electrical Specifications

Model No.	Voltage HZ/PH.	Comp. RLA	Comp. LRA	Evap. Mtr. HP	Evap. Mtr. AMPS	Cond. Mtr. HP	Cond. Mtr. AMPS	Total Amps	Min. CKT Ampacity	Max Fuse Size	Min Volts
5QT- 18	208/230/60/1	7.4	48.0	1/5	1.5	1/4	1.4	10.1	12	15	197
5QT- 24	208/230/60/1	9.6	60.0	1/5	1.2	1/4	1.4	12.3	15	20	197

5QT- Electric Heat Electrical Specifications

Model No.	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/25A
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- Packaged Heat Pump Performance Ratings*

Model No.	Cooling			Heating		Comp. Type
	BTU/h	Sens BTU/h	EER	BTU/h	COP	
5QT- 18	20,000	16,800	9.9	20,500	3.4	Recip.
5QT- 24	24,000	18,000	8.9	24,500	3.2	Recip.

*Rated in Accordance with ARI

Model No.	Chassis Weight (lbs)
18	276
24	276

12-07