

Adirondack Aire

BY COLD POINT



Series RTL

Zehnder / Rittling VHCH

System Replacement | Fast and Easy Change Out | Damage Protection



ADIRONDACK-AIRE RTL CHASSIS SERIES

Replaces Zehnder / Rittling VHCH

The Adirondack-Aire RTL Series replacement 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 the Zehnder / Rittling VHCH series vertical stacked water source heat pump chassis. The chassis is a part of a complete system, which consists of the chassis, blower section, control box, and furred-in room cabinet with risers. The chassis contains the compressor, air side heat exchanger, water side heat exchanger, and refrigerant circuit control and safety components. Also included is the control conversion kit. Blower applications with PSC motors may be field converted, blower applications with EC motors must be replaced.

The RTL is dimensionally identical to the original for a fast, easy, and trouble-free installation. Quality components, careful design and testing, and the latest in environment friendly technology mean long unit life, user satisfaction, and lower energy costs. Consider the extensive list of standard features which includes: stainless steel drain pan, refrigerant circuit access ports, water coil freeze stat, high-pressure over protection, double insulation compressor mounting. Adirondack-Aire is the replacement solution the competition can't match. Cold Point Corp. backs the RTL with a customer friendly one-year parts and labor warranty and five-year compressor warranty,

Standard Features:

- Made in the USA
- Remote Control Conversion Kit
- Designed for easy installation and compatibility.
Dimensionally identical to original Zehnder / Rittling VHCH chassis.
- ETL approved
- Quiet, durable, and efficient compressor with built-in pressure and temperature protection
- Heavy gauge G90 galvanized steel construction
- Stainless steel drain pan
- High efficiency copper tube-aluminum fin evaporator coil
- High efficiency coaxial condenser coil with low water-side pressure drop with "Green™" technology.
- Existing lock out circuit with reset or circuit breaker
- High pressure switch
- Low pressure switch
- Frost-free cooling
- Water coil freeze protection
- Front access refrigerant circuit access ports
- Precision selected capillary tube refrigerant control
- Positive shift reversing valve
- Precision charged with R-454B A2L refrigerant
- 1/2 Inch Male NPSH Fittings

Electrical Data

Model	Compressor type	Volt-Hz-Ph			Total Amps	Ckt Amps	Max	Min
RTL-09	Rotary	208/230/60/1	3.7	22	3.7	5	15	197
		265/60/1	3.5	22	3.5	5	15	240
RTL-12	Rotary	208/230/60/1	4.7	25	4.7	6	15	197
		265/60/1	4.2	22	4.2	6	15	240
RTL-15	Rotary	208/230/60/1	5.6	29	5.6	7	15	197
		265/60/1	5	28	5	7	15	240
RTL-18	Rotary	208/230/60/1	7.4	33	7.4	10	15	197
		265/60/1	6	28	6	8	15	240
RTL-24	Rotary	208/230/60/1	8.5	44	8.5	10.6	15	197
		265/60/1	6.8	30	6.8	8.5	15	240
RTL-30	Scroll	208/230/60/1	11.3	63	11.3	14.2	25	197
		265/60/1	10.9	60	10.9	13.6	20	240
RTL-36	Scroll	208/230/60/1	13.6	79	13.6	17	30	197
		265/60/1	12.2	72	12.2	15.3	25	240



RTL CHASSIS APPLICATION & BENEFITS

Fast and Easy Replacement

The Adirondack-Aire RTL series replacement chassis fits the existing Zehnder / Rittling room cabinets and works with the existing PSC blower sections with modifications. Because the chassis dimensions and construction details are like the original, replacement work is fast and easy. The chassis installs without the need for water loop shut-down or draining. Water, drain and electrical connections line right up to the original installation. The electrical connectors plug directly into the control box connectors. Using Adirondack-Aire replacements eliminate the need for room renovation, redecorating, piping changes 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, low-pressure switch and evaporator coil freeze protection stops unit operation before damage occurs, should airflow become reduced or obstructed due to dirty coils, obstructed airflow, or motor failure or lock up. A freeze stat protects the water coil from freeze damage due to water temperature or flow problems. The water coil is designed for low water-side pressure drop, eliminating potential pump sizing and water flow problems.

Options and Accessories

- Blower sections (ECM)
- 115V, 265V/277V (Availability varies by model sizes)
- Hose kits
- Flow control valve
- Male JIC washerless flare fittings
- Y-strainer
- 2-way motorized valve
- Condensate switch
- Quiet base and sound attenuating package (STD)
- EC motor technology

Performance Ratings

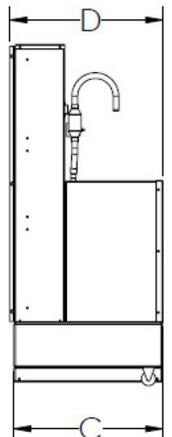
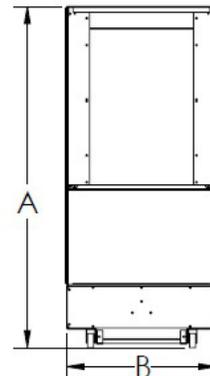
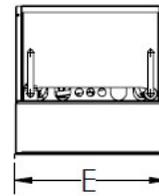
Model	Cool* Btuh	Sens Btuh	EER*	Heat* Btuh	COP*	CFM (design)	GPM	Coil PD	Refrigerant
RTL-09	9000	7500	12.5	10500	4.3	325	2.5	4.5	R-454B
RTL-12	12000	10400	14	13500	4.4	425	3	7	R-454B
RTL-15	14500	10600	15	14800	4.3	450	3.5	6.5	R-454B
RTL-18	18000	14800	14.5	20000	4.3	600	4.5	4	R-454B
RTL-24	23500	17000	14.5	24000	4.4	800	6	8	R-454B
RTL-30	29500	21000	14.4	30000	4.3	1000	7.5	12	R-454B
RTL-36	33800	26000	14.4	38000	4.5	1200	9	5	R-454B

Continuous engineering improvements may result in performance changes without notice.

* Includes 1250Btu/1000 CFM fan heat and 365w/1000 CFM fan power. Fan power and pumping corrections are not included for rating purposes. 208v data shown. 115v and 265v ratings may vary.

Unit Dimensions

RTL	Dimensions (inches)				
SIZE	A	B	C	D	E
9/12	37 3/8	16 3/8	16 3/4	16 3/4	16 5/8
15/18	45	16 3/8	16 5/8	17	16 5/8
24/36	46 5/8	21 7/8	22 3/8	23 1/4	22 3/4



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 25 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.

Your Cold Point Representative:



510 Henry Street • Rome, New York 13440
Phone (315) 339-2331 • Fax (315) 339-2358
www.ColdPointCorp.com

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rev. 11-24 CPL001