



Adirondack Aire

BY COLD POINT



Series VHC

Daikin WVHC/WVHW Series

Application Flexible | Fast and Easy Replacement | Damage Protection



ADIRONDACK-AIRE VHC CHASSIS SERIES

Replaces Daikin WVHC/WVHW

The Adirondack-Aire VHC Series replacement chassis provides environment friendly, high efficiency cooling and heating where individual, quiet control is a priority. This unit is a direct replacement* for Daikin WVHC/WVHW 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.

The VHC 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, air filter, compressor protected suction accumulator, evaporator freeze protection, water coil freeze stat, high-pressure over protection, and low pressure protection. Adirondack-Aire is the replacement solution for upgrading old, worn out, inefficient original chassis. Cold Point Corp. backs the VHC with a customer friendly one-year parts and labor warranty and five-year compressor warranty, (see Warranty document for details).

- Made in the USA
- Designed for easy installation and compatibility. Dimensionally identical to original Daikin WVHC/WVHW chassis
- ETL safety 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
- High pressure switch and Low pressure Switch
- Frost protected cooling
- Water coil freeze protection
- Refrigerant circuit access ports
- Precision selected capillary tube refrigerant control
- Positive shift reversing valve
- Suction accumulator
- Precision charged with R-454B A2L refrigerant
- Shepherd's cane FPT (hose kits required)
- 1 Inch fiberglass air filter

Electrical Data

Model	Compressor Type	Voltage Volt-Hz-Ph	RLA	LRA	Total Amps	Ckt Amps	Max Fuse	Min Volts
VHC-09	Rotary	208/230/60/1	3.9	22.0	3.9	4.9	15	197
		265/60/1	3.5	23.0	3.5	4.4	15	240
VHC-12	Rotary	208/230/60/1	5.0	25.0	5.0	6.3	15	197
		265/60/1	4.0	21.0	4.0	5.0	15	240
VHC-15	Rotary	208/230/60/1	6.0	26.0	6.0	7.5	15	197
		265/60/1	5.3	21.0	5.3	6.6	15	240
VHC-18	Rotary	208/230/60/1	7.1	35	7.1	8.9	15	197
		265/60/1	5.8	27	5.8	7.3	15	240
VHC-21	Rotary	208/230/60/1	8.8	43.0	8.8	11.0	15	197
		265/60/1	6.6	29.0	6.6	8.3	15	240
VHC-24	Scroll	208/230/60/1	10.3	60.2	10.3	11.5	15	197
		265/60/1	N/A					
VHC-30	Scroll	208/230/60/1	11.9	67.8	11.9	14.2	25	197
		265/60/1	10.9	71.7	10.9	13.6	20	240
VHC-36	Scroll	208/230/60/1	13.5	82.5	13.5	17.0	30	197
		265/60/1	12.2	83.0	12.2	15.3	25	240



VHC CHASSIS APPLICATION & BENEFITS

Fast and Easy Replacement

The Adirondack-Aire VHC series replacement chassis fits the existing Daikin room cabinets without modification*. The EC motor blower must also be replaced. Because the chassis dimensions and construction details are like the original unit, replacement work is fast and easy. The chassis installs without the need for water loop shut down or draining. Water and drain 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, and piping changes. The VHC chassis is the solution

* Various wiring configurations were produced. See specs and price sheet for details.

to get 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 stop unit operation before damage occurs, should airflow become reduced or obstructed due to dirty coils, obstructed airflow, or motor failure or lock up. A freezestat 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

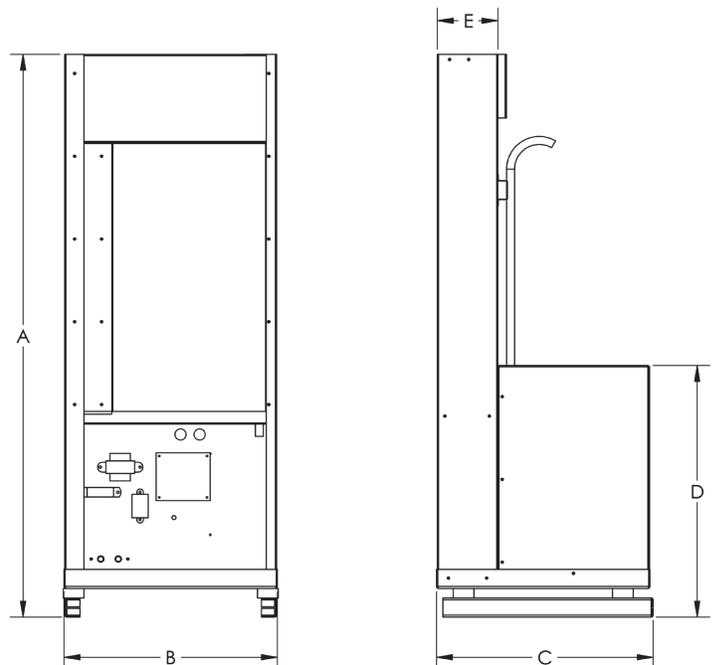
- Blower sections
- 265/277V (Consult factory)
- Hose kits
- Flow control valve
- Motorized valve

Performance Ratings*									
Model	Cool* Btuh	Sens Btuh	EER*	Heat* Btuh	COP*	CFM (design)	GPM	Coil PD	Refrigerant
VHC-09	9,000	7,500	16.3	9,600	4.8	325	2.5	4.5	R-454B
VHC-12	12,600	10,400	15.2	13,800	4.6	425	3	7	R-454B
VHC-15	16,000	13,600	15.3	17,000	4.9	450	3.5	6.5	R-454B
VHC-18	20,600	14,800	15.6	21,000	4.8	600	4.5	4	R-454B
VHC-21	22,000	18,800	13.8	24,000	4.3	750	5	5	R-454B
VHC-24	23,600	19,300	13.0	25,000	4.3	800	6	8	R-454B
VHC-30	28,000	21,500	13.8	33,000	4.3	1000	7.5	12	R-454B
VHC-36	34,800	27,000	14.8	40,000	4.4	1200	9	5	R-454B

Continuous engineering improvements may result in performance changes without notice.

Unit Sizes

Model	A	B	C	D	E
	Inches				
VHC-09	44 1/8	16 3/4	17	19 3/4	4 3/4
VHC-12	44 1/8	16 3/4	17	19 3/4	4 3/4
VHC-15	44 1/8	16 3/4	17	19 3/4	4 3/4
VHC-18	44 1/8	16 3/4	17	19 3/4	4 3/4
VHC-21	46 1/2	22 7/8	22 3/8	19 3/4	6 3/8
VHC-24	46 1/2	22 7/8	22 3/8	19 3/4	6 3/8
VHC-30	46 1/2	22 7/8	22 3/8	19 3/4	6 3/8
VHC-36	46 1/2	22 7/8	22 3/8	19 3/4	6 3/8



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:



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