



# Adirondack Aire

BY COLD POINT



## Series CHS

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### Omega HRP Series

Application Flexible | Fast and Easy Replacement | Damage Protection



# ADIRONDACK-AIRE CHS CHASSIS SERIES

## Replaces Omega HRP Series

The Adirondack-Aire CHS series chassis provides environment friendly, high efficiency cooling and heating where individual, quiet control is a priority. This application flexible unit is also a direct replacement\* for Omega HRP series vertical stacked water source cooling/ heat pump chassis. Original HRP units were heat pumps. 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 heat exchanger, water heat exchanger, and refrigeration system control and safety components.

The CHS series has three chassis sizes, small (model 300, 10k), mid (model 400, 12k), and large (model 600, 20k; model 800, 24k). All chassis sizes are 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: powder painted drain pan, refrigerant circuit access ports, evaporator freeze protection, water coil freeze stat, high-pressure over protection, and lock out circuit. Adirondack-Aire is the replacement solution the competition can't match. Cold Point Corp. backs the CHS with a customer friendly one-year parts and labor warranty and five-year compressor warranty, (see Warranty document for details).

\*Various wiring configurations were produced. Details required before placing orders.

### Standard Features:

- Made in the USA
- Designed for easy installation and compatibility. Dimensionally identical to the original Omega chassis.
- ETL 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 pan
- High efficiency copper tube-aluminum fin evaporator coil
- High efficiency coaxial condenser coil with low water-side pressure drop
- Lock out circuit with reset at thermostat or circuit breaker (heat pump only)
- High pressure switch
- Frost free cooling
- Water coil freeze protection
- Refrigerant circuit access ports
- Capillary expansion
- Positive shift reversing valve
- Precision charged with R-454B A2L refrigerant
- 1/2 Inch hose adapter water connections

### Electrical Data

Model	Compressor Type	Voltage Volt-Hz-Ph	RLA	LRA	Total Amps	Ckt Amps	Max Fuse	Min Volts
CHS-10	Rotary	208/230/60/1	3.7	22.0	3.7	4.6	15	197
CHS-10	Rotary	265/60/1	3.5	22.0	3.5	4.4	15	240
CHS-12	Rotary	208/230/60/1	4.7	25.0	4.7	5.9	15	197
CHS-12	Rotary	265/60/1	4.2	22.0	4.2	5.3	15	240
CHS-20	Rotary	208/230/60/1	7.4	33.0	7.4	9.3	15	197
CHS-20	Rotary	265/60/1	6.0	28.0	6.0	7.5	15	240
CHS-24	Recip	208/230/60/1	7.4	43.0	7.4	9.3	15	197
CHS-24	Recip	265/60/1	6.7	46.0	6.7	8.4	15	240



# CHS CHASSIS APPLICATION & BENEFITS

## Fast and Easy Replacement

The Adirondack-Aire CHS series replacement chassis fits the existing Omega room cabinets and works with the existing blower section and control box without modification\*. 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 into the control box without the need for adapters or wire nut connections. Using Adirondack-Aire replacements eliminate the need for room

renovation, redecorating, and 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 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 freestat 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
- Return air panels
- Control options
- 115V, 265V/277V (Availability varies by model sizes)
- Wiring configurations
- Hose kits
- Flow control valve

\* Various wiring configurations were produced. Details required before placing orders.

## Performance Ratings\*

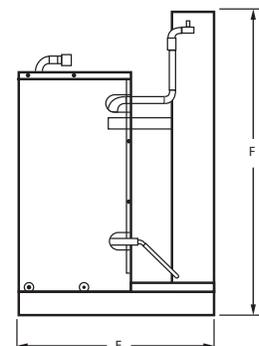
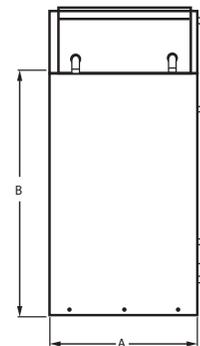
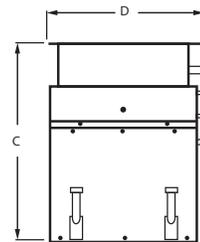
Model	Cool Btuh	Sens Btuh	EER**	Heat Btuh	COP**	CFM (Design)	GPM	Coil PD	Refrigerant
CHS-10	9,900	7,600	12.5	12,000	4.3	300	2.5	1.8'	R-454B
CHS-12	13,200	10,700	14.0	14,500	4.8	475	3.0	2.5'	R-454B
CHS-20	20,800	14,000	15.2	24,400	4.5	625	5.0	3.9'	R-454B
CHS-24	24,200	19,400	13.1	27,300	4.2	800	5.5	5.0'	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 Sizes

Model	A	B	C	D	E	F	Chassis Weight (lbs)
	Inches						
CHS-10	11 1/8	22 1/16	15	11 1/2	15	21 1/16	75
CHS-12	11 1/8	22 1/16	15	11 1/2	15	21 1/16	75
CHS-20	13 3/16	23 1/4	18	14	17 7/8	28 3/16	120
CHS-24	17 3/16	23 1/4	22	18	22	29 3/8	130



# 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](mailto: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](http://www.ColdPointCorp.com)

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rev. 11-24 CPL001