



## Series TSM

### Climate Master TSM Series

Application Flexible | Fast and Easy Replacement | Damage Protection



# ADIRONDACK-AIRE TSM CHASSIS SERIES

## Replaces ClimateMaster TSM

The Adirondack-Aire TSM 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 Climate Master TSM 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 TSM 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 freezestat, 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 TSM 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 ClimateMaster TSM 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
TSM-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
TSM-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
TSM-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
TSM-18	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
TSM-24	Scroll	208/230/60/1	Consult Factory				197	
		265/60/1		240				
TSM-30	Scroll	208/230/60/1		197				
		265/60/1		240				
TSM-36	Scroll	208/230/60/1		197				
		265/60/1		240				

\*Chassis only - Does not include blower or accessory electrical loads



# TSM CHASSIS APPLICATION & BENEFITS

## Fast and Easy Replacement

The Adirondack-Aire TSM series replacement chassis fits the existing TSM and ClimateMaster 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 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

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

changes. The TSM chassis is the solution 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
- Control options
- Flow control valve
- Motorized valve

## Performance Ratings\*

Model	Cool* Btuh	Sens Btuh	EER*	Heat* Btuh	COP*	CFM (design)	GPM	Coil PD	Refrigerant
TSM-09	9,000	7,500	16.3	9,600	4.8	325	2.5	4.5	R-454B
TSM-12	12,600	10,400	15.2	13,800	4.6	425	3	7	R-454B
TSM-15	16,000	13,600	15.3	17,000	4.9	450	3.5	6.5	R-454B
TSM-18	20,600	14,800	15.6	21,000	4.8	600	4.5	4	R-454B
TSM-24									R-454B
TSM-30									R-454B
TSM-36									R-454B

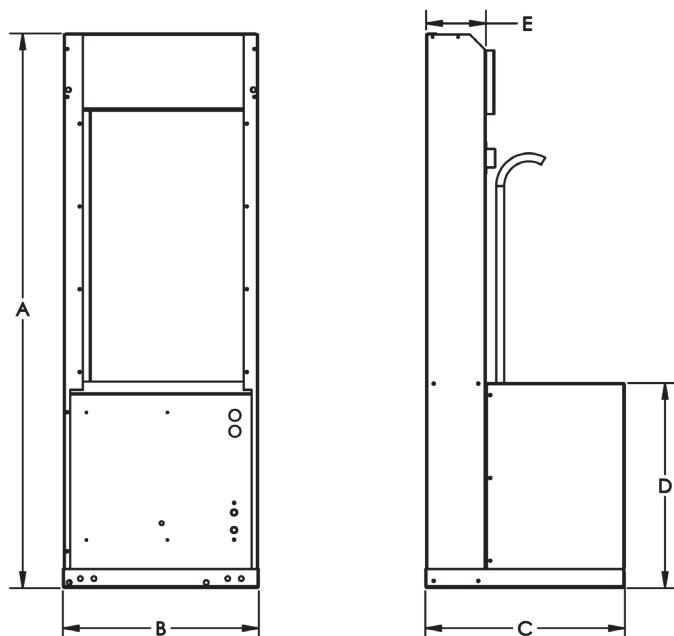
Continuous engineering improvements may result in performance changes without notice.

\*Include 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
	Inches				
TSM-09	43 1/2	15 3/8	15 5/8	16	4 11/16
TSM-12	43 1/2	15 3/8	15 5/8	16	4 11/16
TSM-15	43 1/2	17 5/8	17	17 1/2	5 1/8
TSM-18	43 1/2	17 5/8	17	17 1/2	5 1/8
TSM-24					
TSM-30					
TSM-36					

Consult Factory



# 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.

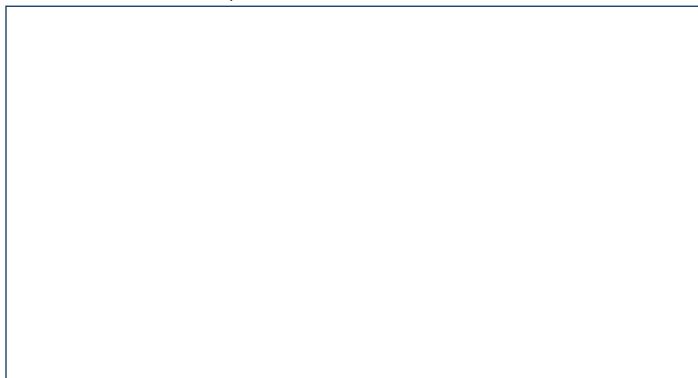
## **Industry-leading expertise**

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).

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