

SERIES LM REPLACEMENT CHASSIS

Singer / McQuay LM Low Sill Series



ADIRONDACK-AIRE



Adirondack-Aire LM series zerOzone console units provide environment friendly, high efficiency, cooling and heating where individual, quiet control is a priority. This application flexible unit is also a direct replacement for Singer/McQuay LM series console water source heat pump units. The LM series is also an ideal choice for renovation or new construction console water source heat pump projects. These console units are offered as chassis-only to work with the existing or custom cabinets, or with a new cabinet for a complete installation.

The chassis contains the compressor, air side heat exchanger, water side heat exchanger, evaporator fan and motor, control components and safety components. The room cabinet is powder painted furniture-grade steel construction with extruded aluminum grille and control door. The LM series has two chassis sizes, small (models 08, 10, and 12), and large (models 15 and 18).

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 advances 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, electrostatic air filter, evaporator freeze protection, water coil freezestat, high-pressure over protection, and electronic control board. Adirondack-Aire is the replacement solution that the competition can't match. Cold Point Corp. backs the LM with a customer friendly one-year parts and labor warranty and five-year compressor warranty, (see Warranty document for details). A full range of options are available, including a low temperature option, boilerless control, hose kits, control options, etc.

APPLICATION & BENEFITS



FAST AND EASY REPLACEMENT

The Adirondack-Aire LM series zerOzone replacement chassis fits the existing Singer/McQuay room cabinets without modification. Because the LM dimensions and construction details are like the original, replacement work is fast and easy. The chassis is field adaptable to either LH or RH applications, offering maximum flexibility and spare chassis interchangeability. Water, drain and electrical connections line right up to the original installation. Using Adirondack-Aire replacements eliminates the need for room renovation, redecorating, or piping and wiring changes. The LM is the solution that gets your property back in service quickly and at the lowest total cost. Choose the optional room cabinet to give the unit a new look and improve room aesthetics or low temperature option for earth coupled/ ground water applications.



DAMAGE PROTECTION

The standard high-pressure switch, evaporator coil freeze protection, and electronic control board stop unit operation before damage occurs, should airflow become reduced or obstructed due to dirty coils, 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

- Room Cabinet (LH and RH available)
- Flow control valve
- Electric or hydronic heat
- Control options
- Valves and unions
- Line cords
- Boilerless
- Hose kits
- Thermostatic expansion valve
- Low temp option

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ADIRONDACK AIR

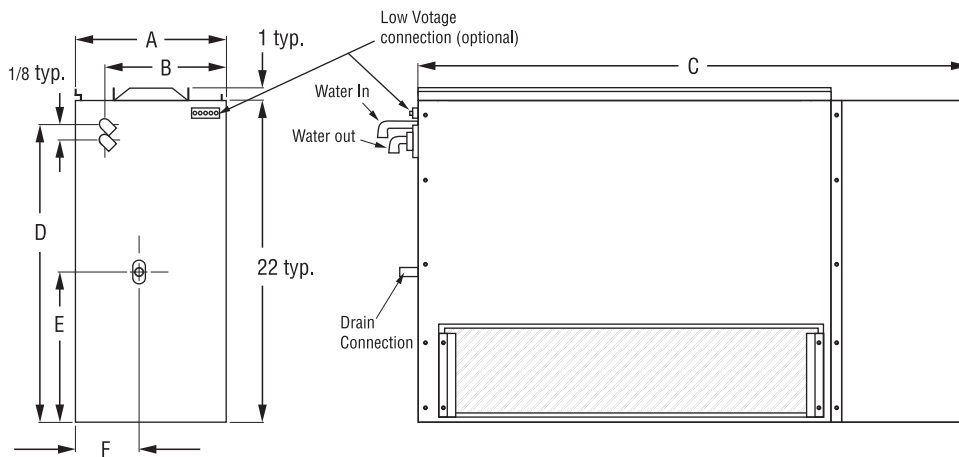
Performance Ratings

Model	Cool Btuh	Sens Btuh	EER	Heat Btuh	COP	CFM Hi/Lo	GPM	Coil PD	Refrigerant
LM-08	7,700	6,000	13.6	9,400	4.2	275/245	2.0	1.2'	R-410A
LM-10	9,300	8,300	12.8	11,600	4.7	400/335	2.5	1.8'	R-410A
LM-12	12,300	9,500	12.8	14,100	4.3	405/325	3.0	2.5'	R-410A
LM-15	Consult Factory								R-410A
LM-18	18,400	13,000	14.2	20,400	4.1	550/250	4.5	3.3'	R-410A

Continuous engineering improvements may result in performance changes without notice.

Unit Sizes

Model	A	B	C	D	E	F	Water In-Out	Drain	Chassis Weight (lbs)
	Inches								
LM-08	10 5/16	8 5/16	37 5/8	20 5/16	10 9/16	4 5/16	1/2 FPT 90°	3/4 O.D.	130
LM-10	10 5/16	8 5/16	37 5/8	20 5/16	10 9/16	4 5/16			135
LM-12	10 5/16	8 5/16	37 5/8	20 5/16	10 9/16	4 5/16			146
LM-15	12 3/16	10 7/8	42 5/8	21	10 7/16	6 1/6			155
LM-18	12 3/16	10 7/8	42 5/8	21	10 7/16	6 1/6			160



Rome, New York 13440

Phone (315) 339-2331 • Fax (315) 339-2358

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