



EHMB12C Shown

Features

- Cooling unit for use with Modulating Systems
- Integrated refrigerant solenoid valves
- Rotatable blower with high-efficiency internal PSC motor
- Deep condensate pan is insulated and includes anti-slosh, antifungal foam lining
- Includes air filter and isolation mounting feet
- Available in cooling only or with electric heat

EMB and EHMB Models

EMB and EHMB are ductable cooling units with built-in refrigerant solenoid valves and high-efficiency blowers. They are used with Cruisair Modulating Systems, which allow up to five independent temperature-controlled zones on one FM type modulating condensing unit, (see specification sheet L-0958).

They are designed to be installed low in a closet or cabinet, with discharge air ducted to grills high in the cabin. Units are available in capacities from 4,000 to 16,000 Btu/hr.

The EMB and EHMB units consist of an evaporator coil, refrigerant metering device, solenoid valve, refrigerant lines, and squirrel cage blower, all mounted in a condensate pan. All metal surfaces over which air passes are covered with insulating foam to reduce secondary condensation and noise. The condensate pan has an anti-slosh, antifungal foam lining and rubber mounting feet for noise and vibration control as well as easy installation.

The high-efficiency blower can be rotated so the air can be discharged in different directions. The permanent split capacitor (PSC) motor is internal to the blower wheel and housing, which results in a quiet unit with excellent performance and speed control, especially when used with a Cruisair SMX series control.

An electrical junction box is included with the unit, and has a 3 foot (1 m) wire harness so it can be mounted in an accessible location.

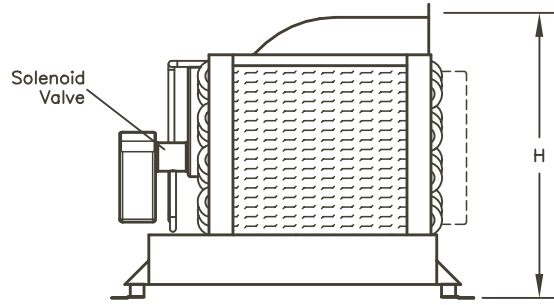
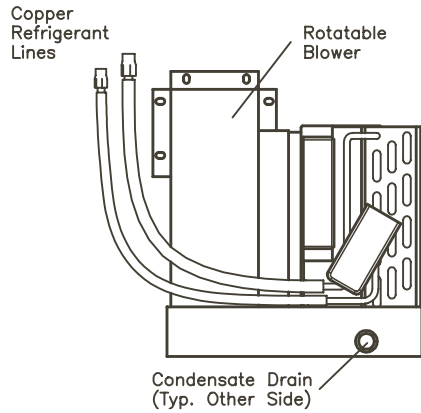
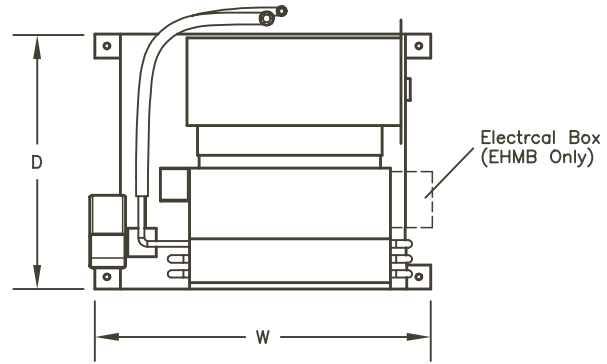
EHMB units have integrated electric heat elements. High temperature protection of the heater is provided by two limit switches, one auto-reset and one manual reset. The coil shroud is lined with high temperature insulation to meet ABYC requirements.

Note: Cruisair FM type modulating condensing units are cooling only. If heat is required, the EHMB cooling unit with electric heat must be used.

Cruisair cooling units can be used with a rotary-knob switch assembly, or with the SMX II microprocessor system with an SMXir keypad/display.

For SMX, the corresponding modulating power/logic box, control, and cables must be ordered separately.

Refrigerant Line Sizes		
Unit Size	Discharge	Suction
4,000 to 12,000 Btu/hr	1/4"	3/8"
16,000 Btu/hr	1/4"	1/2"



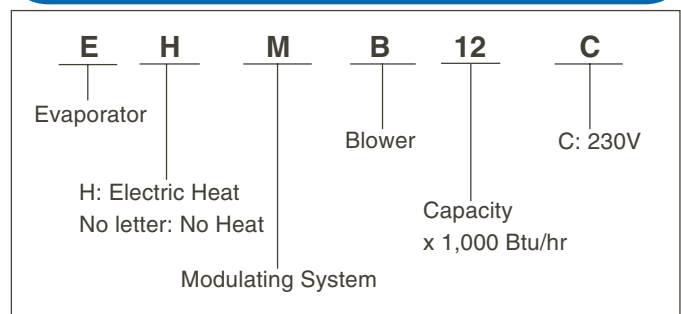
TECHNICAL SPECIFICATIONS

Model	Capacity (Btu/hr)	Voltage	Blower Amps	Electric Heat (kW/Amps)	Height (in/mm)	Width (in/mm)	Depth (in/mm)	Weight (lb/kg)	Air Flow (cfm/cmh)
EMB4C	4,000	230	0.6	—	10.0/255	10.8/275	13.8/352	17/7.7	200/335
EHMB4C				1/4.2				20/9.1	
EMB6C	6,000	230	0.6	—	10.0/255	10.8/275	13.8/352	19/8.6	200/335
EHMB6C				1/4.2				22/10.0	
EMB8C	8,000	230	0.6	—	10.0/255	10.8/275	13.8/352	19/8.6	200/335
EHMB8C				1/4.2				22/10.0	
EMB10C	10,000	230	0.7	—	11.0/280	12.0/306	15.0/383	24/10.9	300/500
EHMB10C				1.5/6.2				28/12.7	
EMB12C	12,000	230	0.7	—	11.0/280	12.0/306	15.0/383	24/10.9	400/670
EHMB12C				2/8.3				28/12.7	
EMB16C	16,000	230	0.9	—	13.5/345	12.6/321	17.0/438	31/14.1	530/900
EHMB16C				2/8.3				35/15.9	

RECOMMENDED GRILL & DUCT SIZES

Unit Capacity (Btu/hr)	Min. Return Air Grill (sq in/cm)	Min. Supply Air Grill (sq in/cm)	Duct Size (in/mm)
4,000	64/410	32/210	4/100
6,000	72/465	49/315	5/125
8,000	72/465	49/315	5/125
10,000	100/650	60/390	6/150
12,000	120/780	70/455	6/150
16,000	144/935	80/520	7/175

INTERPRETING MODEL NUMBERS



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