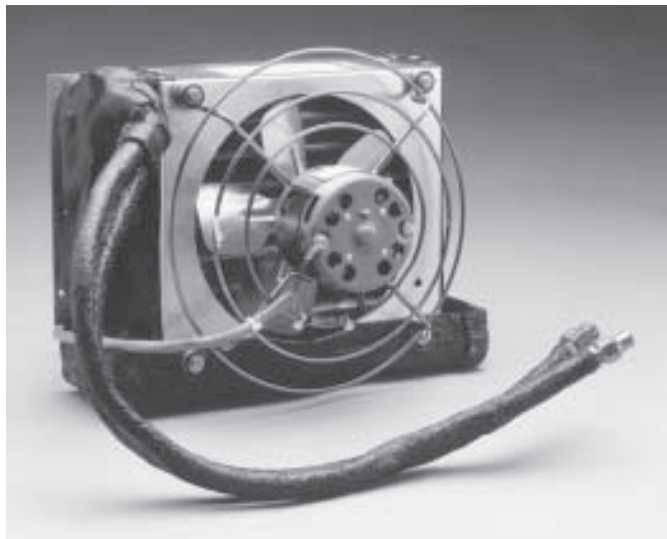
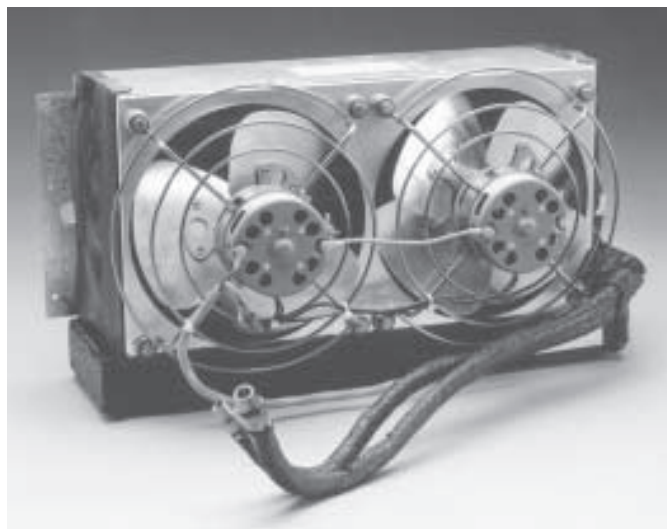


# Cooling/Heating Units

## DIRECT EXPANSION



EFB Cooling Unit Shown



EFL Cooling Unit Shown

### EFB and EFL Models

EFB and EFL are blow-through, fan type cooling/heating units that are designed to be used without ducts. They are normally installed in the top of a closet, with air discharged directly into the room.

EFB units have a single-fan, and are available in capacities of 4,000 to 16,000 Btu/hr.

EFL models have dual fans, and are available in 1,000, 14,000, and 16,000 Btu/hr sizes. An electric heat module is available for the EFL16 unit. Model HMHL-2 is a 2kW heater that attaches to the front of the EFL16 unit, and adds 4.5" to the depth.

All EFB and EFL units consist of an evaporator coil, refrigerant line connections, condensate drain pan and one or two fan/motor assemblies. The deep condensate pan is lined with anti-slosh, antifungal foam, and is insulated to prevent secondary condensation. A separate mounting frame is available to aid installation, (part#: MFBO- 578, MFB-10, MFB-1216, MFL-1216).

These blow through units are compact, but because the discharge air is not ducted, they are suitable for installations where space is more critical than noise. Air filters are not included, and must be installed on the return air grill.

EFB and EFL units may be used with any type F or Type J condensing unit. Multiple cooling/heating units can be used with a single condensing unit of sufficient capacity in a split system. They can be used with rotary type switches or with the SMX family of programmable controls.

**Cruisair**<sup>®</sup>  
Chill Out In Style

## Features

- Blow-through non-ductable cooling/heating units
- Mounted high in closet or overhead
- 115 or 230VAC, 50/60 Hz models
- Works with Cruisair Type F or Type J remote condensing units
- Used with separate mounting frame
- Integral condensate drain pan with anti-slosh, antifungal foam

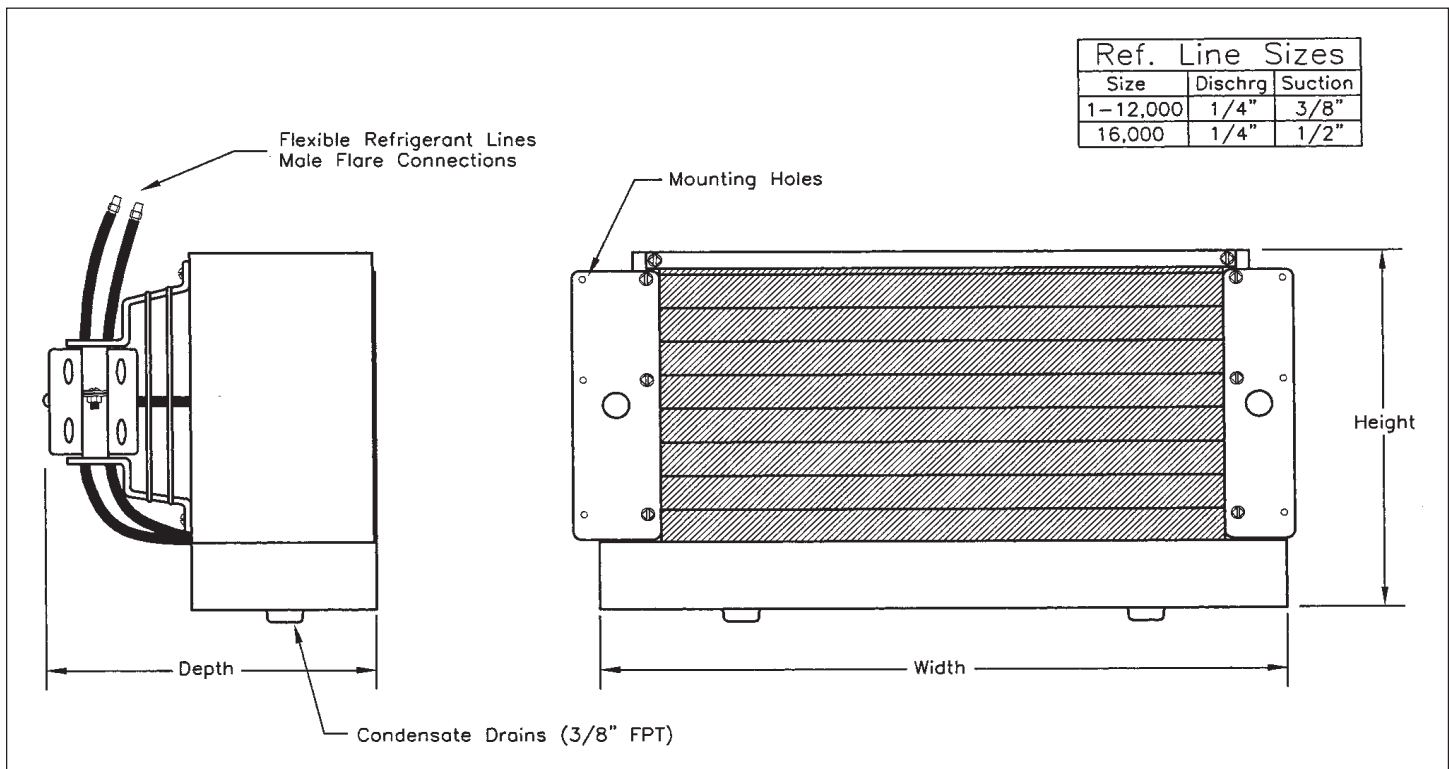
### EFB

- Single fan behind evaporator coil
- 4,000 - 16,000 Btu/hr models

### EFL

- Twin fans behind evaporator coil
- 12,000 and 16,000 Btu/hr models
- 1,000 Btu/hr model available on special order

Ref. Line Sizes		
Size	Dischrg	Suction
1-12,000	1/4"	3/8"
16,000	1/4"	1/2"

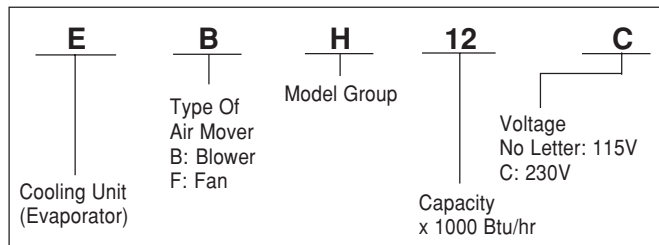


### TECHNICAL SPECIFICATIONS

Model	Capacity (Btu/hr)	Voltage	Amps	Height (in/mm)	Width (in/mm)	Depth (in/mm)	Weight (lb/kg)	Air Flow (cfm/cmh)
EFB4	4,000	115	0.5	9.5/241	12.5/318	7/178	11/5	135/230
EFB4C	4,000	230	0.2	9.5/241	12.5/318	7/178	11/5	135/230
EFB5	5,000	115	0.5	9.5/241	12.5/318	7/178	11/5	135/230
EFB5C	5,000	230	0.2	9.5/241	12.5/318	7/178	11/5	135/230
EFB7	7,000	115	0.5	10/254	11.75/298	8.5/216	13/6	270/460
EFB7C	7,000	230	0.2	10/254	11.75/298	8.5/216	13/6	270/460
EFB8	8,000	115	0.5	10/254	11.75/298	8.5/216	13/6	270/460
EFB8C	8,000	230	0.2	10/254	11.75/298	8.5/216	13/6	270/460
EFB10	10,000	115	0.8	11.5/292	13.5/343	8.5/216	15/7	330/560
EFB10C	10,000	230	0.4	11.5/292	13.5/343	8.5/216	15/7	330/560
EFB12	12,000	115	1.9	13/330	15.5/394	10.5/267	22/10	400/680
EFB12C	12,000	230	1.0	13/330	15.5/394	10.5/267	22/10	400/680
EFB16	16,000	115	1.9	13/330	15.5/394	10.5/267	24/11	530/900
EFB16C	16,000	230	1.0	13/330	15.5/394	10.5/267	24/11	530/900
EFL12	12,000	115	1.2	10.5/267	18.75/476	8.75/222	23/10	400/680
EFL12C	12,000	230	0.6	10.5/267	18.75/476	8.75/222	23/10	400/680
EFL16	16,000	115	1.6	10.5/267	18.75/476	8.75/222	24/11	530/900
EFL16C	16,000	230	0.8	10.5/267	18.75/476	8.75/222	24/11	530/900

Frequency: 60 Hz or 50 Hz

### INTERPRETING MODEL NUMBERS



### RECOMMENDED GRILL SIZES

Btu/hr	Minimum Return Grill Area (sq in/cm)	Minimum Discharge Grill Area (sq in/cm)
4 - 5,000	64/415	64/415
7 - 8,000	72/465	72/465
10,000	100/650	100/650
12,000	120/780	120/780
16,000	144/935	144/935

