

# Cooling/Heating Units

## DIRECT EXPANSION



EBS16S Cooling Unit Shown

### Features

- 12,000-16,000 Btu/hr
- 115V and 230V, 60/50 Hz models
- Works with Cruisair Type F or J remote condensing units
- Entire unit enclosed in aluminum housing
- Variable-speed blower for fixed vertical discharge
- Integral built-in condensate drain pan
- Anti-slosh, antifungal foam in drain pan
- Removable lint screen for easy cleaning

### EBS Models

EBS is a pull-through ductable cooling/heating unit with a variable-speed blower, enclosed in an aluminum housing. The EBS unit is designed to be installed low in a closet or cabinet, with air ducted upward to discharge grills high in the cabin.

EBS models are available in capacities of 12,000 and 16,000 Btu/hr. They may be used with Cruisair Type F or Type J reverse-cycle remote condensing units. Multiple cooling/heating units can be used with a single condensing unit of sufficient capacity in a split system.

The EBS unit consists of an evaporator coil, refrigerant line connections, condensate drain pan and a high-efficiency squirrel-cage blower which pulls air across the evaporator coils. The blower is for fixed vertical discharge only. A removable lint screen is installed across the front of the evaporator coils. A plastic clamp is also provided for attaching the thermostat sensor in the return air path.

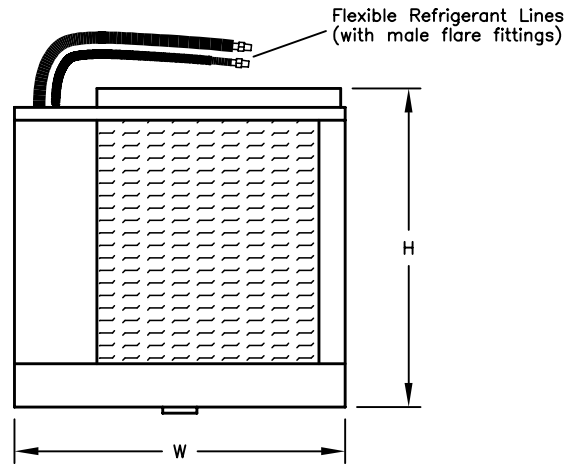
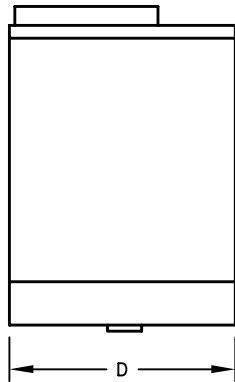
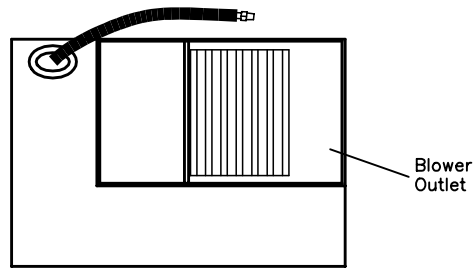
The entire lower section of the cabinet serves as a condensate drain pan. A mounting frame should be used with the EBS unit. The drain pan is filled with anti-slosh, antifungal foam which also acts as a noise dampening material.

The cooling/heating unit can work with a combination of plenums and flexible or built-in ductwork to convey discharge air to one or more cabins. When used with built-in ducts, there should be a flexible transition between the duct and blower.

Cruisair cooling units can be used with a rotary-knob switch assembly, or with either the SMX II or SMX Net microprocessor control systems and a SMXir keypad/display. Models with electric heat must use SMX Net or the SA5 4-knob switch assembly.

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

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"

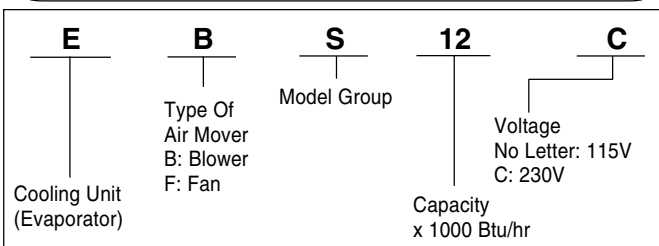


### TECHNICAL SPECIFICATIONS

Model	Capacity (Btu/hr)	Voltage VAC	Amps	Height (in/mm)	Width (in/mm)	Depth (in/mm)	Weight (lb/kg)	Air Flow cfm/cmh
EBS12	12,000	115	2.4	14.0/355	15.5/395	10.5/267	30/13.6	400/672
EBS12C	12,000	230	1.2	14.0/355	15.5/395	10.5/267	30/13.6	400/672
EBS16S	16,000	115	3.0	14.0/355	16.0/406	11.5/292	32/14.5	530/890
EBS16SC	16,000	230	1.5	14.0/355	16.0/406	11.5/292	32/14.5	530/890

Frequency: 60 Hz or 50 Hz

### INTERPRETING MODEL NUMBERS



### RECOMMENDED GRILL & DUCT SIZES

Btu/hr	Minimum Return Grill Size (sq in/cm)	Minimum Discharge Grill Size (sq in/cm)	Recommended Duct Size (in/mm)
12,000	120/780	70/455	6/150
16,000	144/935	80/520	7/175

