

Cooling & Heating Units

DIRECT EXPANSION



EBU7 Unit Shown

Features

- Compact ductable cooling unit
- Rotatable, variable speed blower
- High-efficiency, internal PSC motor
- EHBUs models with integrated electric heat
- Insulated condensate pan, which includes an anti-slosh, antifungal foam lining
- Air filter included
- Works with Cruisair F-type condensing units

EBU Models

EBU and EHBUs are draw-through, ductable cooling units with a rotatable, high efficiency PSC blower and an integral condensate pan. They are typically installed low in a closet, cabinet, or other enclosed space, with discharge air ducted to one or more grills high in the room.

Models are available in capacities from 5,000 to 20,000 Btu/hr, and are used with Cruisair F type remote condensing units. Multiple cooling units can be used with a single condensing unit of matched capacity.

The squirrel cage blower can be rotated so the discharge air is easily ducted. The variable speed PSC (permanent split capacitor) motor is internal to the blower wheel and housing, which makes for a narrower unit, and quieter operation than a typical external motor blower. The PSC blower also provides improved static pressure performance.

EHBUs models have an electric heat element, which can supply heat when outside temperatures are too cold for reverse cycle heat. The unit has two-stage overheat protection, one auto-reset and the second a manual reset. The interior is also lined with high temperature insulation.

The condensate pan, blower housing and all metal surfaces over which air passes are covered with insulating foam, reducing noise and secondary condensation. The condensate pan has an anti-slosh, antifungal foam lining.

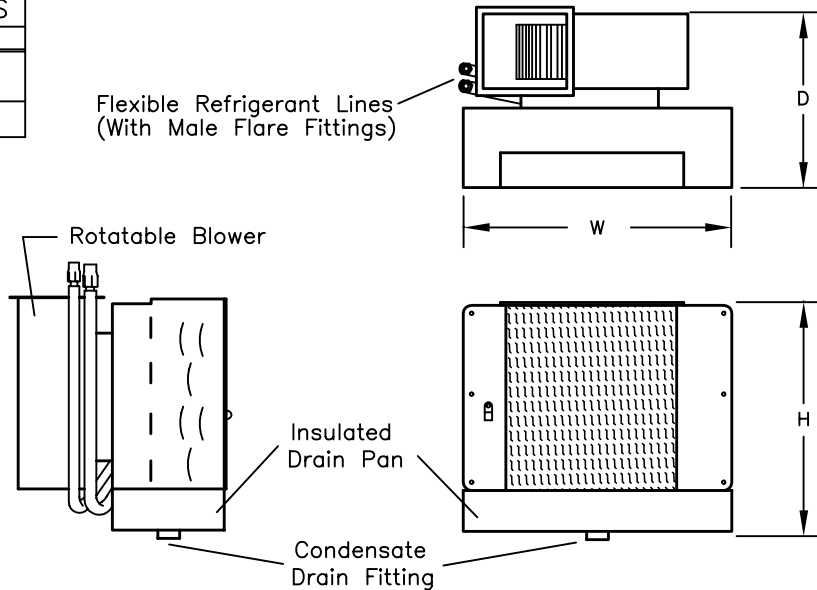
Cruisair cooling units can be used with a rotary-knob switch assembly, or with either the SMX II or SMX Net microprocessor control systems and a SMXir keypad/display. Models with electric heat must use SMX Net or the SA5 4-knob switch assembly.

EBU and EHBUs units can be installed with a combination of plenums and flexible duct, or built-in ductwork to convey discharge air to one or more outlet grills. A hose adapter is needed to connect flexible duct to the blower outlet. If using built-in ducts, a flexible transition between the blower and duct should be installed.

The MK4L mounting leg kit is recommended to ease installation, provide vibration isolation, and support the blower.

Cruisair[®]
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	Blower Amps	Electric Heater		Dimensions (in/mm)			Air Flow (cfm/cmh)	Weight (lb/kg)
				kW	Amps	H	W	D		
EBU5	5,000	115	0.5	-	-	9.0/229	11.3/286	9.5/241	200/340	15/6.8
EBU7	7,000	115	1.2	-	-	10.0/254	11.3/286	10.0/254	250/425	16/7.3
EBU7C		230	0.6	-	-					
EBU8	8,000	115	1.2	-	-	10.0/254	11.3/286	10.0/254	250/425	16/7.3
EBU8C		230	0.6	-	-					
EBU10	10,000	115	1.3	-	-	11.5/292	13.5/343	11.0/279	330/560	20/9.1
EBU10C		230	0.7	-	-					
EBU12	12,000	115	1.4	-	-	11.5/292	13.5/343	11.5/292	400/680	25/11.4
EBU12C		230	0.7	-	-					
EBU16	16,000	115	1.8	-	-	12.5/318	15.5/394	13.0/330	550/935	30/13.6
EBU16C		230	0.9	-	-					
EBU20C	20,000	230	0.9	-	-	18.3/465	20.5/521	14.0/355	550/935	48/21.8
EHB16	16,000	115	1.8	2.0	17.8	12.5/318	15.5/394	15.6/396	550/935	36/16.4
EHB16C		230	0.9	2.0	9.2					

RECOMMENDED GRILL & DUCT SIZES

Unit Capacity Btu/hr	Minimum Return Air Grill Size (sq in/cm)	Minimum Discharge Grill Size (sq in/cm)	Recommended Duct Size (in/mm)
5,000	64/415	32/205	4/100
7,000	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
20,000	200/1350	120/780	9/225

INTERPRETING MODEL NUMBERS

