Low Profile Models
The low profile, twin-blower series of ductable cooling/heating units are available in a wide range of capacities and configurations. They are designed for installations where there is limited vertical space, such as beneath a seat or bunk, or in overhead spaces.

Models are available in capacities of 12,000 to 36,000 Btu/hr. They can be used with all Cruisair Type F reverse-cycle condensing units. Multiple cooling/heating units can be used with a single condensing unit of equal capacity in a split system.

Standard EBL units consist of a low-profile evaporator coil mounted on a deep condensate pan, with two squirrel-cage blowers drawing air across the coil. Refrigerant line connections and a metering device are also included. Refrigerant connections are male flare fittings.

The condensate pan, blower housing and all transitional metal surfaces are covered with insulating foam to prevent secondary condensation and reduce noise. The drain pan is lined with anti-slosh, antifungal foam, and the blowers can be rotated for discharge in different directions.

Various modifications on the base EBL unit are available.

**EBUL** units have a high-efficiency PSC (permanent split capacitor) motor that is internal to the blower wheel, and protected in the housing. This results in a quieter unit, with excellent performance and speed control, especially when used with a Cruisair SMX series control.

**EBLP** models are designed for overhead installations, and include an insulated return air plenum to collect air from a ceiling mounted grill. EBULP models have PSC blowers.

**EHBL** units have integrated electric heat strips to provide heat when the seawater is too cold for adequate reverse-cycle heating. All Cruisair auxiliary heaters use a 2-stage thermal protection system to prevent dangerous overheating in case airflow is lost. The first cutout is an automatic reset switch at 160°F (71°C), and the second stage is a manual reset control that opens at 180°F (82°C). Other safety features include high-temperature insulation on the interior surfaces and high temperature wiring. Models with PSC blowers and with return air plenums are also available.

The cooling/heating unit can be installed with a combination of plenums, and flexible or built-in duct-work to convey discharge air to one or more outlets. Hose adapters are required to connect to flexible duct.

All low profile models can be used with either rotary-knob switches or with an SMX series computerized control. EHBL units with electric heat must use SMX Net controls or a special 4-knob switch assembly.
<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (Btu/hr)</th>
<th>Voltage</th>
<th>Blower Amps</th>
<th>Electric Heater kW</th>
<th>Dimensions (in/cm)</th>
<th>Weight (lb/kg)</th>
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**TECHNICAL SPECIFICATIONS**

- **Unit Capacity (Btu/hr):**
  - 12,000
  - 16,000
  - 20,000
  - 24,000
  - 30,000
  - 36,000
- **Return Air Grill Area (sq in/cm):**
  - 120/780
  - 144/935
  - 225/1450
  - 300/1935
  - 300/1935
- **Discharge Grill Area (sq in/cm):**
  - 36/232
  - 49/319
  - 70/455
  - 80/520
  - 80/520
- **Min. Duct Size (in/mm):**
  - 5/125
  - 5/125
  - 7/150
  - 7/150
  - 7/150
- **Ref. Line Sizes (Disch. Suction):**
  - 1/4" 3/8" 1/2" 1/2" 3/8" 3/4" 3/8" 3/4"

**INTERPRETING MODEL NUMBERS**

- **E**: Evaporator
  - No Letter: No Heat
  - H: Electric Heat
- **H**: Type of Mover
  - No Letter: No Heat
  - B: Blower
- **B**: Blower Motor
  - No Letter: Shaded Pole
  - U: PSC
- **U**: Low Profile
  - No Letter: No Profile
  - L: Return Air Plenum
  - No Letter: Return Air Plenum
- **L**: Capacity x 1000 Btu/hr
  - No Letter: 115V
  - P: Voltage
  - No Letter: 115V
  - C: 230V

**Revised:** 05-19-05  L-0717