

EBLE Series Low-Profile Evaporators

Dual-Blower Units for Height Restrictive Spaces



Cruisair's EBLE low profile, dual-blower series of ductable cooling/heating units are available in a wide range of capacities and configurations. Available in capacities from 12K to 36K BTU/hr., EBLE units are designed for installations where there is limited vertical space, such as beneath a seat or bunk, or in overhead spaces.

Standard EBLE units consist of a low-profile evaporator coil mounted on a deep condensate pan, with two high-efficiency permanent split capacitor (PSC) blowers drawing air across the coil. Refrigerant line connections and a metering device are also included. Refrigerant connections are male flare fittings.

The variable-speed blower motor is internal to the blower wheel, which results in less noise and reduced unit depth for easier installation.

The drain 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.

EBLEP models are designed for overhead installations, and include an insulated return-air plenum to collect air from a ceiling mounted grille.

EHBLE 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 two-stage thermal protection system to prevent dangerous overheating in case airflow is lost. The first cutout is an automatic reset switch, and the second stage is a manual reset control. Other safety features include high-temperature insulation on the interior surfaces and high temperature wiring.



Units are available with return-air plenum for overhead applications (EBLEP models).

Key Benefits

- Low-profile, dual-blower ductable cooling/heating units
- Environmentally safe R-410A refrigerant
- Variable-speed, high-efficiency PSC blowers are rotatable
- Drain pan has anti-slosh, anti-fungal foam lining
- Exposed sheet metal is insulated against secondary condensation
- Available with electric heat (EHBLE models)
- Units are available with return-air plenum for overhead applications (EBLEP models).
- Models with return-air plenum also available with electric heat (EHBLEP models)
- Thermal expansion valve for optimal performance over a range of conditions

Cruisair[®]

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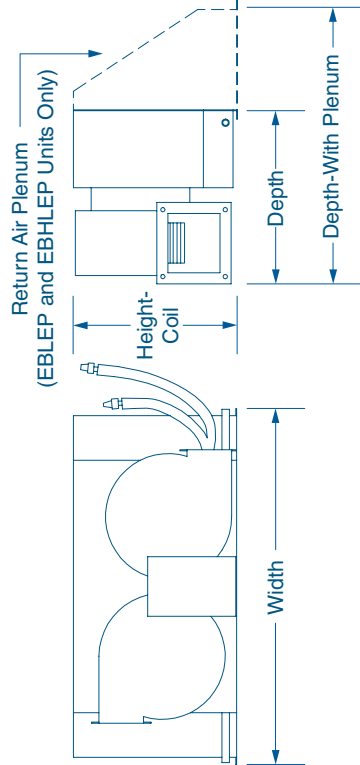
Specifications for EBLE Series Low-Profile Evaporators

Model (1)	EBLE12	EBLE16	EBLE16	EBLE16	EBLEP16	EHBLEP16	EBLE24	EHBLE24	EBLEP24	EHBLEP24	EBLE30	EBLEP30	EBLE36	EBLEP36
Capacity (BTU/h)	12000	16000	16000	16000	16000	16000	24000	24000	24000	24000	30000	30000	36000	36000
Voltage @ 50/60Hz 1-Ph (V)	115	230	230	115	230	115	230	230	230	230	230	230	230	230
Full Load Amps (FLA) Blower (A)	1.64	0.74	1.2	3.2	1.44	3.12	2.8	1.76	2.8	1.76	3.6	2.3	3.6	3.6
Max. Circuit Breaker (A)	5	5	5	15	5	25	5	20	5	15	5	5	5	5
Min. Circuit Ampacity (A)	3	2	2	4	4	22	3	16	3	11	3	3	3	3
Electric Heat (kW/hp)	N/A	N/A	2/2.7	2/2.7	N/A	2/2.7	N/A	2/2.7	N/A	2/2.7	N/A	N/A	N/A	N/A
Heater Amps (A)	N/A	N/A	17.4	17.4	8.7	17.4	8.7	8.7	8.7	8.7	N/A	N/A	N/A	N/A
Height (in/mm) (2)	11.25/286	11.25/286	11.25/286	11.25/286	11.25/286	11.25/286	12.5/318	12.5/318	12.5/318	12.5/318	13/331	13/331	13/331	13/331
Width (in/mm)	24/610	24/610	20.5/521	24/610	24/610	24.25/616	27.5/699	27.5/699	27.75/705	22.75/578	37.5/953	37.5/953	37.5/953	37.5/953
Depth (in/mm)	13.5/343	13.5/343	16/407	13.5/343	21/534	23.75/604	14/356	17/432	N/A	26.5/674	14/356	N/A	14/356	N/A
Min. Supply Duct Size (in/mm)	6/153	7/178	7/178	7/178	7/178	7/178	8/204	8/204	8/204	8/204	9/229	9/229	10/254	10/254
Quantity-Duct Connections	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Min. Supply Air Grille Size (sq in/sq cm)	70/452	80/517	80/517	80/517	80/517	80/517	140/904	140/904	140/904	140/904	170/1097	170/1097	196/1265	196/1265
Min. Return Air Grille Size (sq in/sq cm)	130/839	160/1033	160/1033	160/1033	160/1033	160/1033	240/1549	240/1549	240/1549	240/1549	350/2259	350/2259	360/2323	360/2323
Refrigerant Line Connection-Discharge (in)	1/4	3/8	3/8	3/8	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Refrigerant Line Connection-Suction (in)	3/8	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	3/4	3/4	3/4	3/4

1 EBLE indicates base unit without electric heat or return-air plenum; EHBLE indicates unit with electric heat, but without return-air plenum; EBHP indicates unit with electric heat and return-air plenum.

2 Height values shown are from the mounting surface to the top of the coil with blowers in the horizontal position.

Dimensions



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Specifications and availability subject to change without notice.

Dealer

