

Emerald TurboVap Series Evaporators

Reduced Size, Noise & Power Draw



The Emerald TurboVap series of split-gas evaporators for boats incorporates revolutionary design features with mechanical engineering that maximizes the effectiveness of R-410A, an environmentally safe refrigerant.

Emerald TurboVaps are easy to install. For ideal positioning, the high-velocity blower can rotate up to 270 degrees with a single adjustment screw. The enclosed motor means no blower-motor overhang for a compact design.

Since evaporators are usually positioned in or near cabins, noise is always a concern. The Emerald TurboVap uses a vibration-isolation mounting system to minimize noise, so the evaporator runs more quietly. The fully insulated, high-velocity blowers are quiet and efficient.

Excellent condensate drainage is achieved with a unique positive-flow, anti-slosh, composite drain pan that is rust-free. Condensate water is rapidly removed at one of two easy-to-plumb drain locations.

The Emerald TurboVap Series was designed to operate as a system with the Emerald Condenser Series. Both of these split-system components were engineered to harness and maximize the superior thermodynamic properties of the environmentally safe R-410A refrigerant.

The Emerald TurboVap is available in six capacities ranging from 4,000 to 16,000 BTU/hr.



The rust-free composite drain pan reduces standing water up to 85%, thanks to "positive-flow" drain channels. These channels also help prevent spilling and sloshing in rough seas.



Optional lineset extensions for discharge and suction are available for all TurboVap models.

Key Benefits

- Up to 28% reduced amperage.
- Up to 85% reduction in standing water in the drain pan.
- Up to 14% increase in cooling capacity.
- Up to 15% lighter.
- Up to 17% reduction in height.
- Up to 19% increased air flow CFM.
- Rust-free composite drain pan.
- Drain pan features anti-slosh, "positive-flow" drain channels for no spills and rapid removal of condensate.
- Up to 15 minutes faster to install.
- Single adjustment screw for 270° of blower rotation.
- High-velocity (HV) fully-insulated blowers are rotatable.
- Vibration-isolation mounts reduce noise and vibration.
- 115V and 230V models.
- Designed to be used with Emerald Series (R-410A) condensers.

Specifications for Emerald TurboVap Series Evaporators

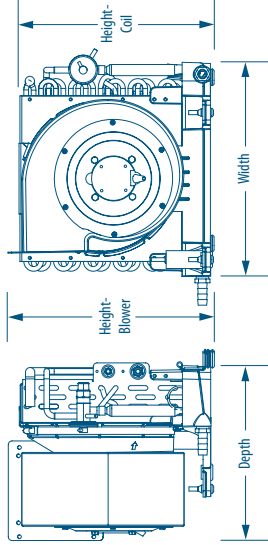
Model ⁽¹⁾	TV64	TV66	TV68	TV10	TV12	TV16
Capacity (BTU/h)	4000	6000	8000	10000	12000	16000
Voltage @ 50/60Hz ±Ph (V)	115 230	115 230	115 230	115 230	115 230	115 230
Full Load Amps (FLA) Cool (A)	0.82 0.41	0.82 0.41	1.56 0.83	1.14 0.61	1.14 0.61	1.61 0.78
Max. Circuit Breaker (A)	5	5	5	5	5	5
Min. Circuit Ampacity (A)	2	2	2	2	2	3
Height-Coil (in/mm) ⁽²⁾	10.8/275	10.8/275	10.8/275	12.6/321	12.6/321	13/331
Height-Blower (in/mm) ⁽²⁾	10.8/275	10.8/275	11.4/290	12.6/321	12.6/321	13.6/346
Width (in/mm) ⁽²⁾	12.3/313	12.3/313	12.3/313	14.3/364	14.3/364	14.3/364
Depth (in/mm) ⁽²⁾	9.5/242	9.5/242	9.4/239	10.4/265	10.4/265	11.6/295
Min. Supply Duct Size (in/mm)	4/102	4/102	5/127	6/153	6/153	7/178
Min. Supply Air Gille Size (sq in/sq cm)	32/207	32/207	48/310	60/388	70/452	81/523
Min. Return Air Gille Size (sq in/sq cm)	64/413	64/413	80/517	110/710	130/839	160/1033
Net Weight (lbs/kg) ⁽³⁾	10.5/4.8	11/4.1	14/6.4	17.5/7.1	17.5/7.1	20.5/9.3
Gross Weight (lbs/kg) ⁽³⁾	18.5/8.4	19/8.7	22/9.1	25.5/11.6	25.5/11.6	28.5/12.1

¹ Add "115V" or "230V" to the model number for 115V and 230V units, respectively.

² All dimensions ± 0.30 in. (8 mm).

³ All weights ± 10%

Dimensions



Dealer

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Specifications and availability subject to change without notice.

