

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

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Specifications for Emerald TurboVap Series Evaporators

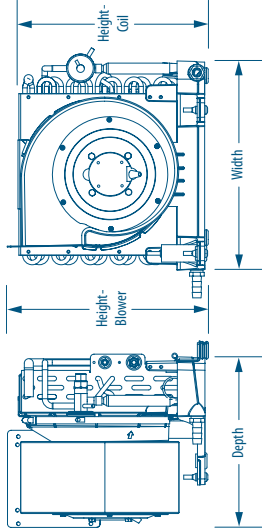
Model ⁽¹⁾	TV64	TV66	TV68	TV10	TV12	TV16
Capacity (BTU/h)	4000	6000	8000	10000	12000	16000
Voltage @ 50/60Hz ±Ph (V)	115	230	115	230	115	230
Full Load Amps (FLA) Cool (A)	0.82	0.41	0.82	0.41	1.56	0.83
Max. Circuit Breaker (A)	5	5	5	5	5	5
Min. Circuit Ampacity (A)	2	1	2	1	2	1
Height-Coil (in/mm) ⁽²⁾	10.8/275	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	11.25/5.2	12.5/5.6	17.5/7.1	17.5/7.1	20.5/9.3
Gross Weight (lbs/kg) ⁽³⁾	18.5/8.4	18/8.2	19/8.7	20.25/9.2	22/9.1	25.5/11.6
				25/11.4	25/11.4	24.75/11.3
						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



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Specifications and availability subject to change without notice.

Dealer

