

**NEW!**

# TurboVap DX Evaporator Series

## Reduced Size, Noise & Amperage



TV12-230V shown



**Cruisair's TurboVap Series of direct expansion (DX) split-system evaporators is based on the revolutionary engineering advancements of the award-winning Turbo self-contained air conditioning system.** Featuring a rust-free molded composite drain pan, condensate water is rapidly removed at one of two easy-to-plumb drain locations. The pan also has innovatively designed anti-slosh ridges and "positive flow" channels to ensure condensate does not spill even in the roughest seas.

For improved installation ease and flexibility, the enclosed blower motor eliminates overhang and the blower can be rotated 270° with a single adjustment screw. The unit's unique inlet ring is designed to optimize air flow and ensure that the height of the unit does not increase when the blower rotates. The fully insulated, high-velocity blowers are quiet and efficient.

Experience better noise reduction with the TurboVap Series' built-in cushioning system which minimizes vibration to the deck. Additionally, the innovative mounting clips utilize vibration isolators.

TurboVap units can be paired with condensers that use either R-22 or R-417A refrigerants. See the Emerald Series of TurboVaps and condensers for a complete split system that uses R-410A refrigerant.

*Rust-free molded composite drain pan reduces standing water – 2 oz. (59 ml) vs. 16 oz. (473 ml) in ordinary pans. Innovatively engineered "positive flow" drain channels prevent the sloshing and spilling of condensate — even in the roughest seas.*



### Key Benefits

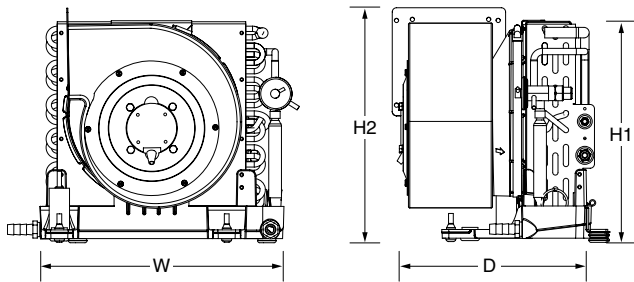
- Up to 28% reduced amperage.
- Up to 85% reduction of standing water in the drain pan.
- Up to 14% increase in cooling capacity.
- Up to 15% reduced weight.
- Up to 17% reduction in height.
- Up to 19% increased air flow CFM.
- Positive-flow, anti-slosh, rust-free drain pan ensures condensate does not spill.
- Installation time reduced by 15 minutes.
- Single screw for 270° blower rotation.
- No blower-motor overhang reduces depth.
- Vibration-isolation mounting system reduces noise.
- Available in 4K, 6K, 8K, 10K, 12K, and 16K BTU/hr capacities.
- 115V or 230V models.
- Pair with R-22 or R-417A condensing units.

# Technical Specifications for TurboVap DX Evaporators

Model <sup>(1)</sup>	TV4		TV6		TV8		TV10		TV12		TV16	
Capacity BTU/hr	4,000		6,000		8,000		10,000		12,000		16,000	
Voltage (VAC) @ 50-60Hz/1 Ph	115	230	115	230	115	230	115	230	115	230	115	230
Full Load Amps Blower (FLA)	0.8	0.41	0.8	0.41	1.56	0.83	1.14	0.61	1.14	0.61	1.61	0.78
K.V.A. (Kilo-Volt-Amps)	0.09	0.09	0.09	0.09	0.18	0.19	0.13	0.14	0.13	0.14	0.19	0.18
Suggested Circuit Breaker (Amps)	2.0	1.0	2.0	1.0	4.0	2.0	3.0	1.0	3.0	1.0	4.0	2.0
<b>Unit Dimensions (in/mm)</b>												
Height – Evaporator (H1)	10.8/274		10.8/274		10.8/274		12.6/320		12.6/320		13.0/330	
Height – Blower (H2) <sup>(2)</sup>	10.2/259		10.2/259		11.4/290		12.4/315		12.4/315		13.6/345	
Width	12.3/312		12.3/312		12.3/312		14.3/36.3		14.3/36.3		14.3/36.3	
Depth	9.5/241		9.5/241		9.4/239		10.4/264		10.4/264		11.6/295	
Min. Duct Size Ø	4.0/102		4.0/102		5.0/127		6.0/152		6.0/152		7.0/178	
Min. Supply Air Grille (sq. in./cm.)	32/206		32/206		48/310		60/387		70/452		81/523	
Min. Return Air Grille (sq. in./cm.)	64/413		64/413		80/516		110/710		130/839		160/1032	
Net Weight (lbs./kg.)	10.5/4.8		11.0/5.0		14.0/6.4		17.5/7.9		17.5/7.9		20.5/9.3	
Gross Weight (lbs./kg.)	18.5/8.4		19.0/8.6		22.0/10.0		25.5/11.6		25.5/11.6		28.5/12.9	

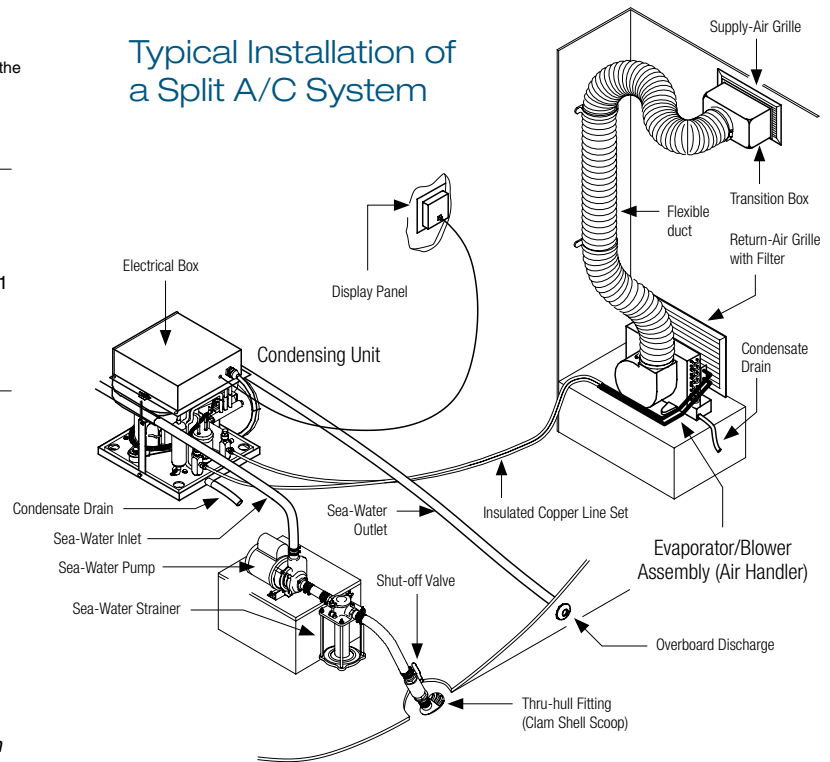
**Notes:**

- <sup>(1)</sup> End all model numbers with a '115V' or '230V' depending on the selected voltage.
- <sup>(2)</sup> Add 2.0"/51mm to the height dimension to allow for the duct ring (not included) when the blower is installed in the vertical position.




*TurboVap 12K unit shown with optional lineset extensions.*

## Typical Installation of a Split A/C System



Dealer:



Environmentally Responsible

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