

Vector Turbo Series Boat Air Conditioning

Powerful, Quiet & Compact With No Drain Pan Worries



The Vector Turbo series completely revolutionized self-contained boat air conditioning (cooling and heating) with patented innovations in marine air conditioning system design, winning the IBEX Innovation Award in 2007.

The rust-free molded composite drain pan has three drains for the rapid removal of condensate water. The drain pan has a small footprint for installation flexibility.

A vibration-isolation mounting system results in significantly quieter, virtually vibration-free performance. The enclosed blower motor eliminates overhang for reduced depth.

The Turbo series was specifically engineered to harness and maximize the impressive performance of R-410A, a proven and environmentally safe refrigerant gas.

The optional Turbo sound cover provides up to 50% further noise reduction. This compact, easy-to-install sound cover completely encases the compressor to provide a 3- to 5-dB reduction in noise. Available for all Turbo models, the sound cover installs in minutes. Mounting hardware is included.



Vibration-isolation mounting clips reduce vibration and noise.



Optional sound cover further reduces compressor noise by up to 50%.

Key Benefits

- Up to 27% more energy efficient.
- Up to 21% increased capacity.
- Compact design uses less space.
- Rust-free composite drain pan.
- Up to 85% less standing water in the drain pan.
- Vibration-isolation mounts reduce noise and vibration.
- Engineered to maximize the performance of R-410A, an environmentally safe refrigerant.
- Designed from the inside out with multiple patented innovations.
- Optional sound cover further reduces compressor noise by up to 50%.

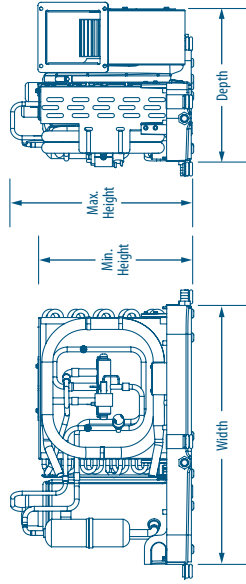
Product Testimonial

"There is very little noise coming from the compressor, and vibrations are practically non-existent. I highly recommend this unit."

— Bob Silverman, boat owner

Specifications for Vector Turbo Series Boat Air Conditioning

Dimensions



Model ⁽¹⁾	VTD6		VTD8		VTD10		VTD12		VTD16			
Capacity (BTU/h) ⁽²⁾	115	230	240	115	230	240	115	230	240	115	230	240
Voltage (V)	60/1	60/1	50/1	60/1	50/1	60/1	50/1	60/1	50/1	60/1	50/1	60/1
Cycle (Hz) ⁽³⁾ / Phase (Ph)	4.6	2.2	2.7	3.1	3.2	3.3	3.2	3.2	3.3	3.2	3.3	3.2
Full Load Amps (FLA) Cool (A)	5.9	2.8	3.7	7.1	4	4.1	8.8	3.9	4.3	10.9	5.1	4.3
Full Load Amps (FLA) Heat (A)	0.8	0.36	0.7	0.83	1.14	0.61	1.14	0.48	0.48	1.14	0.61	0.48
Full Load Amps (FLA) Blower (A)	36	17.7	36	17.7	42	22	21	58	28	21	62	34
Locked Rotor Amps (LRA) (A)	15	10	20	10	25	15	10	30	15	10	40	20
Max. Circuit Breaker (A)	12	7	6	13	7	16	10	8	11	8	25	12
Min. Circuit Ampacity (A)	10	7	6	10	7	16	10	8	11	8	25	12
Refrigerant Type	410A											
Min. Height (in/mm) ⁽⁴⁾	12.2/310											
Max. Height (in/mm) ⁽⁴⁾	12.2/310											
Height w/ Opt. Sound Cover (in/mm) ⁽⁴⁾	13.4/341											
Width (in/mm) ⁽⁴⁾	14/356											
Height w/ Opt. Sound Cover (in/mm) ⁽⁴⁾	14/356											
Min. Supply Duct Size (in/mm)	20.4/519											
Min. Supply Air Gills Size (sq in/sq cm)	12.4/315											
Min. Return Air Gills Size (sq in/sq cm)	6/153											
Seawater Inlet Connection (in/mm)	60/388											
Net Weight (lbs/kg) ⁽⁵⁾	80/517											
Gross Weight (lbs/kg) ⁽⁵⁾	100/646											
Height-Electrical Box (in/mm)	100/646											
Width-Electrical Box (in/mm)	100/646											
Depth-Electrical Box (in/mm)	100/646											
1 Add a '2' for 230V/60Hz units or '250' for 240V/50Hz units. For example: VTD8K2=115V/60Hz; VTD8KZ=230V/60Hz; VTD8KZ50=240V/50Hz												
2 BTU and electrical data are based on 45°F/7.2°C evaporator and 100°F/37.8°C condenser in cool mode, and a 45°F/7.2°C evaporator and 130°F/54.4°C condenser in heat mode.												
3 60Hz units must not operate at 50Hz and 50Hz units must not operate at 60Hz unless data plate states otherwise.												
4 All dimensions ± 0.30 in. (8 mm).												
5 All weights ± 10%.												

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Specifications and availability subject to change without notice.



Dealer