

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

Model (1)	VTD6		VTD8		VTD10		VTD12		VTD16	
Capacity (BTU/h) (2)	6000	8000	10000	12000	16000					
Voltage (V)	115	240	115	240	115	230	240	230	240	240
Cycle Hz (3) / Phase (Ph)	60/1	50/1	60/1	50/1	60/1	50/1	50/1	60/1	50/1	50/1
Full Load Amps (FLA) Cool (A)	4.6	2.2	2.7	3.1	3.2	3.3	3.2	8.7	4	3.3
Full Load Amps (FLA) Heat (A)	5.9	2.8	3.7	4	4.1	3.9	4.3	10.9	5.1	4.3
Full Load Amps (FLA) Blower (A)	0.8	0.36	1.31	0.7	0.83	0.61	0.48	1.14	0.61	0.48
Locked Rotor Amps (LRA) (A)	36	17.7	36	17.7	42	22	21	58	28	21
Max. Circuit Breaker (A) (LRA) (A)	15	10	20	10	25	15	10	30	15	10
Min. Circuit Ampacity (A)	12	7	13	7	16	10	8	20	11	8
Refrigerant Type	410A		410A		410A		410A		410A	
Min. Height (in/mm) (4)	10.8/275		12.2/310		12.2/310		12.5/318		12.9/328	
Max. Height (in/mm) (4)	11.1/282		13/331		13/331		12.5/318		13.4/341	
Height w/Opt. Sound Cover (in/mm) (4)	13.4/341		13.4/341		14/356		14/356		14/356	
Width (in/mm) (4)	17.6/448		17.6/448		20.4/519		20.4/519		21.4/544	
Max. Depth (in/mm) (4)	10.7/272		10.7/272		12.4/315		12.4/315		13.3/338	
Min. Supply Duct Size (in/mm)	4/102		5/127		6/153		6/153		7/178	
Min. Supply Air Grille Size (sq in./sq cm)	32/207		48/310		60/388		70/452		80/517	
Min. Return Air Grille Size (sq in./sq cm)	64/413		80/517		100/646		130/839		160/1033	
Seawater Inlet Connection (in/mm)	5/16		5/16		5/16		5/16		5/16	
Net Weight (lbs/kg) (5)	42.5/19.3	33/15	42.5/19.3	45.55/20.7	36/16.4	47.7/21.7	50.5/23	45/20.5	47/21.4	52/23.6
Gross Weight (lbs/kg) (5)	50.25/22.8	41/18.6	50.75/23.1	53.75/24.4	44/20	57.5/26.1	59.5/27	53/24.1	55/25	61/27.7
Height-Electrical Box (in/mm)	8.8/224		8.8/224		8.8/224		8.8/224		8.8/224	
Width-Electrical Box (in/mm)	6.5/166		6.5/166		6.5/166		6.5/166		6.5/166	
Depth-Electrical Box (in/mm)	2.7/69		2.7/69		2.7/69		2.7/69		2.7/69	

1 Add a 'Z' for 230V/60Hz units or '50' for 240V/50Hz units. For example: VTD8K=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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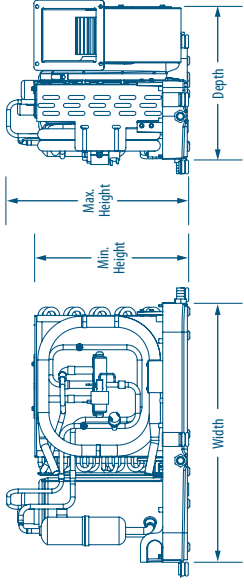
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Specifications and availability subject to change without notice.



Dimensions



Dealer