

VORTEX A/C

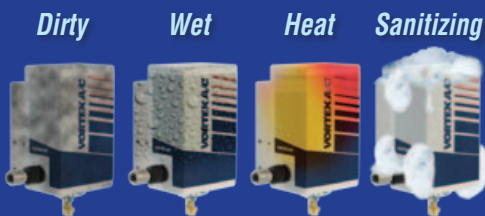
Total Enclosure Protection



When the going gets tough...

The Vortex A/C ensures reliable operation in these rugged environments:

- Dust and dirt
- Highly humid or wet locations
- High heat
- Airborne mists and oils
- Sanitizing procedures (food and beverage)



The only reliable cooling protection for enclosures in harsh environments up to 175°F (80°C)



US Patent 7,461,513

Protects Against Heat and Contamination!

Keep electrical panels cool, clean and protected with the all-new alternative to expensive air conditioners

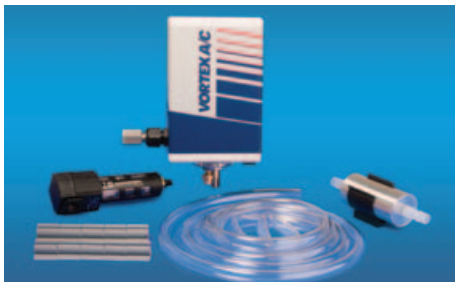
Avoid downtime with the most affordable, reliable and easiest-to-install enclosure protection product available in the market!

- Lowest cost compared to conventional air conditioners
- Very easy and quick top- or side-mount installation, no wiring or electricity
- No maintenance required
- Extremely reliable
- Very quiet, 62-64 dBA operation
- Slight pressurization of enclosure in all operating modes
- Integral mechanical thermostat maintains 80°F (27°C) to 90°F (32°C) temperatures
- 10-year warranty
- NEMA 12 and NEMA 4/4X models (IP54 and IP66)
- UL listed and CE compliant
- Operates in environments up to 175°F (80°C)



Compare the Differences

	Vortex A/C	Refrigerant-based Air Conditioner	Vortex Cooler
Physical size (volume)	204- 335 in ³ (3343-5490 cm ³)	2345-4200 in ³ (38400-68900 cm ³)	30 in ³ (492 cm ³)
Average installation time	15 minutes	3 hours	1 hour, wiring required
Maximum ambient temperature	175°F (80°C)	131°F (55°C)	175°F (80°C)
Operating noise level	62-64 dBA	62-64 dBA	75-84 dBA
Weight	6-8.75 lb (2.7- 4 kg)	75-105 lbs (34- 47 kg)	6-10 lbs (2.7- 4.5 kg)
Mounting footprint (area)	25.5-52.5 in ² (164- 338 cm ²)	369-572 in ² (2380-3690 cm ²)	5 in ² (32 cm ²)
Warranty	10 years	1 year	10 years
Initial cost	Low	Very high	Low
Real ownership cost (including energy cost)	Low	High (maintenance/downtime)	Low
Contaminant and dust build-up	None (pressurized)	Contaminants can enter enclosure	None

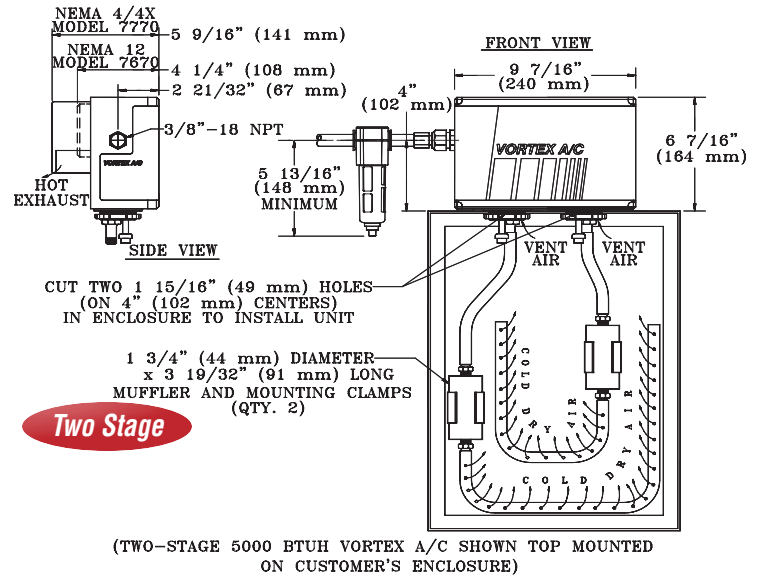
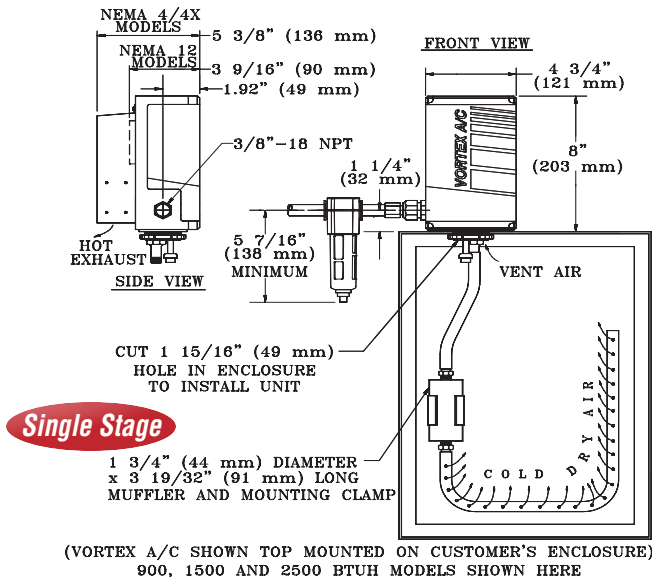


All Vortex A/C models come as a complete system, and include a cold air ducting kit, cold end muffler, and 5-micron Auto-Drain compressed air filter.

Specifications

Models	Cooling Capacity		Air Consumption		
	NEMA 12 (IP54)	NEMA 4/4X (IP66)	BTUH	WATTS	SCFM
7615	7715	900	264	15	425
7625	7725	1500	440	25	708
7635	7735	2500	732	35	991
7670	7770	5000	1465	70	1981

Models 7670 and 7770 are two-stage coolers. To conserve energy during periods of low heat load, only one stage is activated via mechanical thermostat. (Patent pending.)



Vortec offers a complete line of Vortex Coolers for NEMA 12, 4, and 4X electrical cabinets. For assistance in sizing an appropriate Vortex A/C for your enclosure or for more information on any of our cooling models, please call our technical service staff at 800.745.5355.

Recommended operating pressure for all Vortex A/C models is 90 to 100 psig (6.2 to 6.9 bar).



Confident in the quality and reliability of Vortec products, we extend an unparalleled, 10-Year Warranty on Vortex A/C.