

## VORTEX COOLERS INDOOR/OUTDOOR



### INDUSTRY STANDARDS

#### NEMA Type 4 Models:

Maintains UL/cUL Type 4 when properly installed on a UL/cUL Type 4 enclosure.

UL508 Listed; Type 4; File No. E187045

#### NEMA Type 4X Models:

Maintains UL/cUL Type 4X when properly installed on a UL/cUL Type 4X enclosure.

UL508 Listed; Type 4X; File No. E187045

#### NEMA Type 12 Models:

Maintains UL/cUL Type 12 when properly installed on a UL/cUL Type 12 enclosure.

UL508 Listed; Type 12; File No. E187045

### APPLICATION

Powered by compressed air, Vortex Cooling Systems generate chilled air to cool small enclosures without refrigerants or moving parts. These systems are exceptionally reliable and low maintenance, even in the harshest and dirtiest environments.

### FEATURES

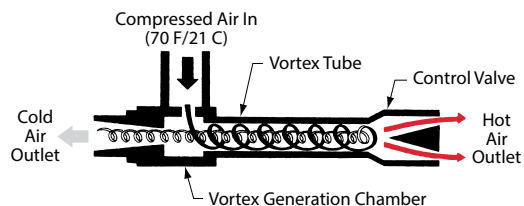
- Five-micron airline filter, 115 V solenoid
- Thermostat
- Ducting kit
- Cooling capacities to 2500 BTU/Hr. (733 W)

### FINISH

Brushed satin aluminum or stainless steel

### ACCESSORIES

Vortex Cooling Oil Filters



**Vortex Tube Air Flow Schematic**

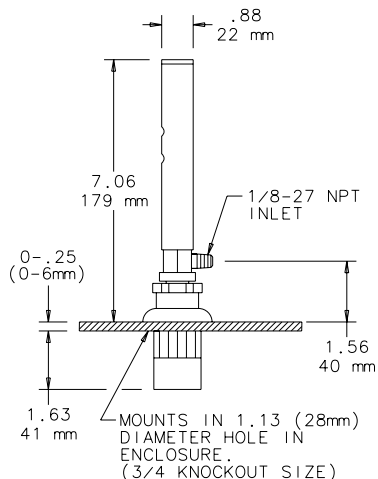
Performance Data VC Series NEMA Type 12

| CATALOG NUMBERS                                |           |           |           |           |
|------------------------------------------------|-----------|-----------|-----------|-----------|
| Aluminum                                       | VC0416012 | VC0916012 | VC1516012 | VC2516012 |
| COOLING PERFORMANCE                            |           |           |           |           |
| Cooling Capacity (BTU/Hr.)                     | 400       | 900       | 1500      | 2500      |
| Cooling Capacity (Watts)                       | 117       | 264       | 440       | 733       |
| Compressed Air Consumption (SCFM)              | 8         | 15        | 25        | 35        |
| Compressed Air Consumption (L <sup>3</sup> /M) | 227       | 425       | 708       | 991       |
| SOUND LEVEL                                    |           |           |           |           |
| Noise Level (dB)                               | 69        | 80        | 83        | 90        |
| ENCLOSURE PROTECTION                           |           |           |           |           |
| UL Type                                        | Type 12   |           |           |           |
| ELECTRICAL DATA                                |           |           |           |           |
| Rated Voltage                                  | 115       | 115       | 115       | 115       |
| Frequency (Hz)                                 | 50/60     | 50/60     | 50/60     | 50/60     |
| UNIT DIMENSIONS                                |           |           |           |           |
| Weight (lb./kg)                                | 5/2.27    | 6/2.72    | 6/2.72    | 6/2.72    |

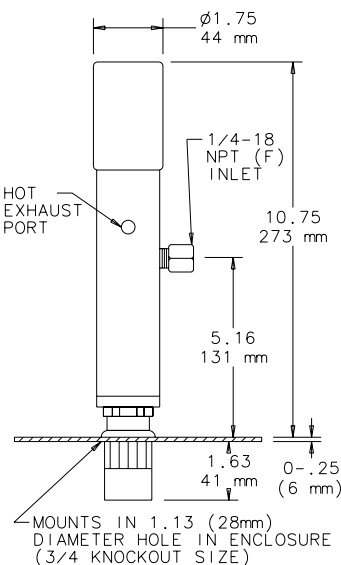
Performance Data VC Series NEMA Type 4, 4X

| CATALOG NUMBERS                                |            |           |           |
|------------------------------------------------|------------|-----------|-----------|
| Aluminum                                       | VC0916004  | VC1716004 | VC2516004 |
| Stainless Steel                                | VC091604X  | VC171604X | VC251604X |
| COOLING PERFORMANCE                            |            |           |           |
| Cooling Capacity (BTU/Hr.)                     | 900        | 1700      | 2500      |
| Cooling Capacity (Watts)                       | 264        | 498       | 733       |
| Compressed Air Consumption (SCFM)              | 15         | 25        | 35        |
| Compressed Air Consumption (L <sup>3</sup> /M) | 425        | 708       | 991       |
| SOUND LEVEL                                    |            |           |           |
| Noise Level (dB)                               | 83         | 86        | 90        |
| ENCLOSURE PROTECTION                           |            |           |           |
| UL Type                                        | Type 4, 4X |           |           |
| ELECTRICAL DATA                                |            |           |           |
| Rated Voltage                                  | 115        | 115       | 115       |
| Frequency (Hz)                                 | 50/60      | 50/60     | 50/60     |
| UNIT DIMENSIONS                                |            |           |           |
| Weight (lb./kg)                                | 6/2.72     | 6/2.72    | 6/2.72    |

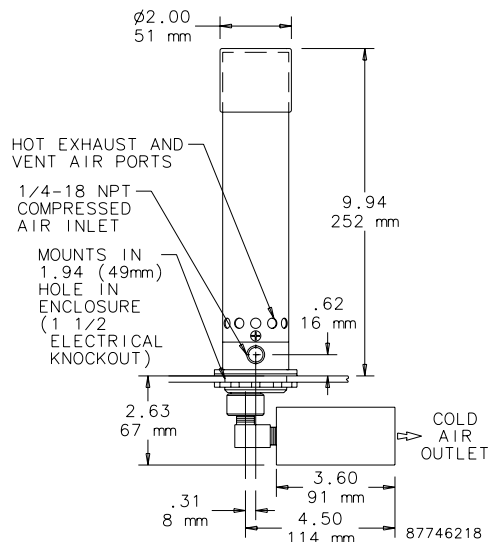
NEMA Type 12 - 400 BTU/Hr.



NEMA Type 12 -  
900, 1500, 2500 BTU/Hr.



NEMA Type 4X  
900, 1700, 2500 BTU/Hr.



ENCLOSURE COOLER MUST REMAIN  
IN A VERTICAL ORIENTATION TO  
MAINTAIN NEMA 4/4X RATINGS.

Typical Installation

