# PH8 (Phantom 8) Series

Unheated
Model Lengths: 36"–144"
Environmental Separation (up to 8')
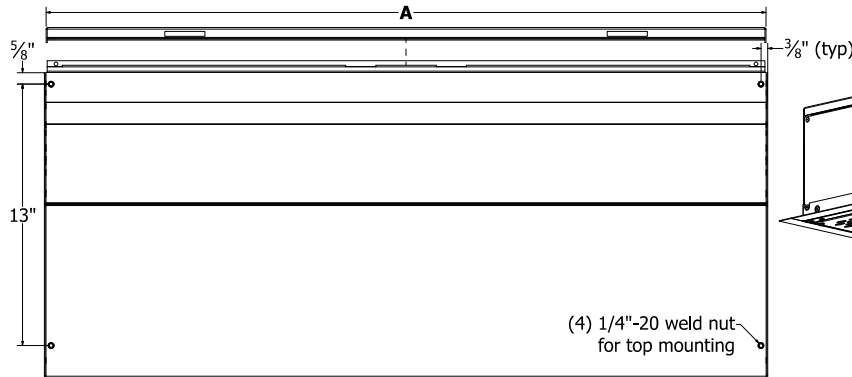Insect Control (up to 7')
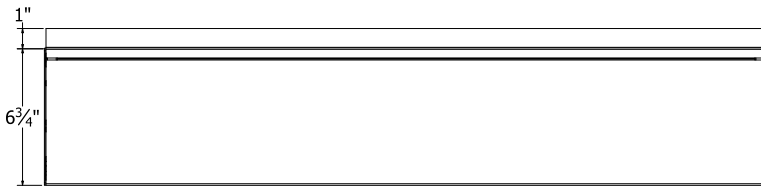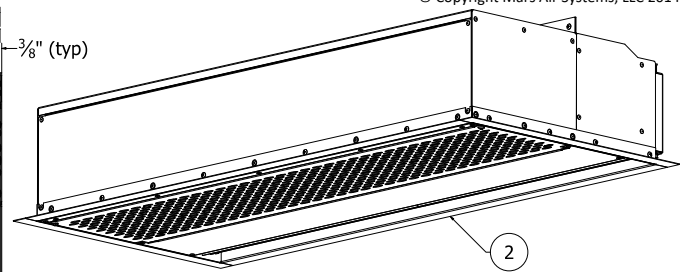
TOP VIEW

(4) 1/4"-20 weld nut for top mounting

FRONT VIEW

BOTTOM VIEW

2" nozzle depth

SIDE VIEW

AIR INTAKE

AIR DISCHARGE

2" nozzle depth
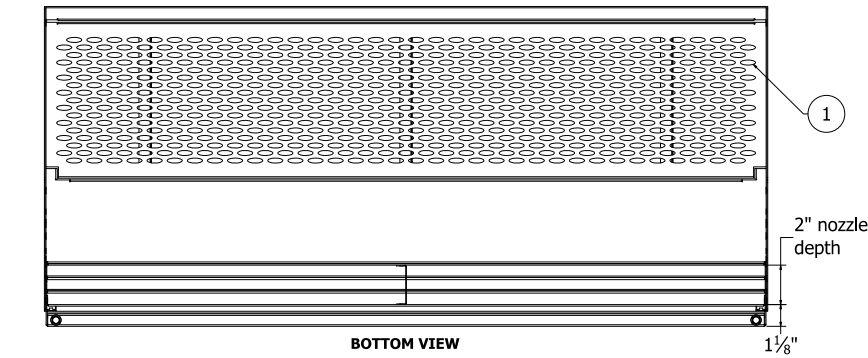
ETL LISTED Intertek

## Notes:

1. Recommended service clearances are 2" to the left and right sides, 6" on top, and 18" in front of the unit.
2. Circuit protection (per NEC) to be installed by others.
3. To prevent accidental damage during operation, unit must be installed so that the bottom of the air curtain does not extend below the door header.
4. Units up to 72" in width can be fastened to wall on both ends without intermediate support. Longer units are double units joined together and must be supported in the center.

| Model Number | Mechanical Data | | | | | Lab Data | |
|---|---|---|---|---|---|---|---|
| | Overall Length A (in) | Nozzle Length (in) | Rear Mounting Distance B (in) | Motor (hp) | Weight (lb) | Max Velocity (fpm) | Max Volume (cfm) |
| ☐ PH836-1U*-OB | 36 | 36 | 16 | 1/6 | 32 | 1800 | 900 |
| ☐ PH842-1U*-OB | 42 | 42 | 19 | 1/6 | 35 | 1800 | 1050 |
| ☐ PH848-1U*-OB | 48 | 48 | 22 | 1/6 | 40 | 1800 | 1200 |
| ☐ PH860-1U*-OB | 60 | 60 | 28 | 1/6 | 48 | 1800 | 1500 |
| ☐ PH872-1U*-OB | 72 | 72 | 34 | 1/6 | 58 | 1800 | 1800 |
| ☐ PH884-2U*-OB | 84 | 84 | 19 | (2) 1/6 | 75 | 1800 | 2100 |
| ☐ PH896-2U*-OB | 96 | 96 | 22 | (2) 1/6 | 83 | 1800 | 2400 |
| ☐ PH8108-2U*-OB | 108 | 108 | 25 | (2) 1/6 | 92 | 1800 | 2700 |
| ☐ PH8120-2U*-OB | 120 | 120 | 28 | (2) 1/6 | 102 | 1800 | 3000 |
| ☐ PH8144-2U*-OB | 144 | 144 | 34 | (2) 1/6 | 122 | 1800 | 3600 |

\* – Use corresponding letters in "Electrical Data" column headers (see page 2) to complete the model numbers.

**Note: above data is for 60 Hz at 1550 RPM. For 50 Hz, RPM is 1300 with a 17% reduction in performance.**

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Environmental Separation (up to 8')
Insect Control (up to 7')

## mars

atmosphere is everything

## Standard Features:

❖ ETL-certified to conform to UL 507 (US) and CSA 22.2 (Canada) standards for indoor and outdoor use
❖ Sleek aluminum shell over heavy gauge steel core
❖ Fire retardant and rust preventative electrostatic polyurethane powder coating
  • Standard color is Pearl White (PW)
❖ 1/6 HP continuous duty motors (NEMA 1)
❖ Adjustable air directional vane with 40° sweep front to back
❖ Removable wall mounting bracket for easy installation
❖ 5-year parts warranty
❖ Freight included (FOB continental USA)
❖ Proudly made in the USA

## Mars Recommended Accessories (see catalog for complete listing):

❖ Door Limit Switches (§)
  ☐ 99-014, Combination mechanical switch, 250V, 1HP Max
❖ Solid State Controllers (§)
  ☐ J0021, Commercial low voltage controller, 115V, 1Ø, adjustable time delay, with commercial plastic surface mounted door limit switch (field installed)
  ☐ J0022, Commercial low voltage controller, 208-277V, 1Ø, adjustable time delay, with commercial plastic surface mounted door limit switch (field installed)
❖ Brackets (§)
  ☐ B0042, Transom mounting bracket set for LPV2
❖ Severe Duty and Finish
  ☐ HSG-304SS-PH, 304 Stainless steel housing construction
(§) = Shipped loose

## Sound Levels (measured at 10' in a free field):

25-36" Units = 49 dBA, 42" Unit = 50 dBA, 48" Unit = 52 dBA, 60-96" Units = 53 dBA, 108-144" Unit = 54 dBA

| Electrical Data Full Load Amp (FLA) | Unit Amperage (Voltage Code) | |
|---|---|---|
| | 115V/1Ø ☐ (A) | 208-230V/1Ø ☐ (D) |
| ☐ PH836-1U*-OB | 2.4 | 1.2 |
| ☐ PH842-1U*-OB | 2.4 | 1.2 |
| ☐ PH848-1U*-OB | 2.4 | 1.2 |
| ☐ PH860-1U*-OB | 2.6 | 1.4 |
| ☐ PH872-1U*-OB | 2.6 | 1.4 |
| ☐ PH884-2U*-OB | 4.8 | 2.4 |
| ☐ PH896-2U*-OB | 4.8 | 2.4 |
| ☐ PH8108-2U*-OB | 5.0 | 2.6 |
| ☐ PH8120-2U*-OB | 5.2 | 2.8 |
| ☐ PH8144-2U*-OB | 5.2 | 2.8 |

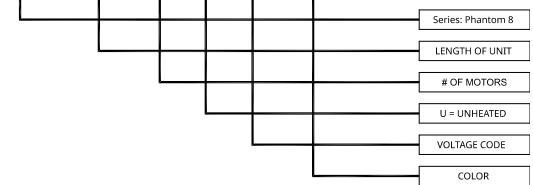\* – Use corresponding letters in "Voltage Code" column headers to complete the model numbers.

Ampacity (MCA) = total FLA X 1.25

Alternate voltage codes with FLA data:
·220V/1Ø/50Hz (U) – 0.9A per motor

EXAMPLE

PH8  72 - 1  U  A - PW

Series: Phantom 8
LENGTH OF UNIT
# OF MOTORS
U = UNHEATED
VOLTAGE CODE
COLOR

ETL LISTED c us
Intertek