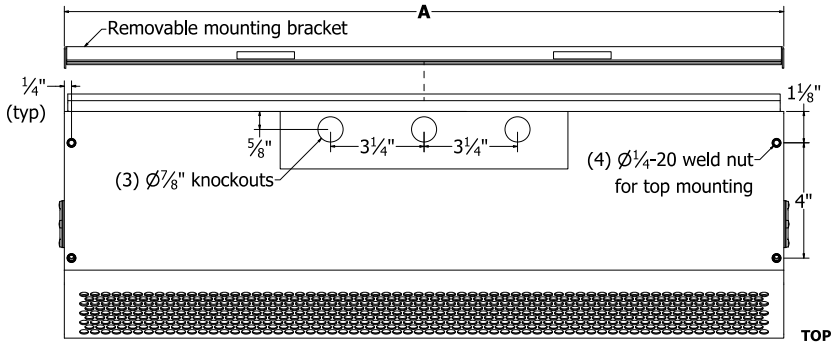
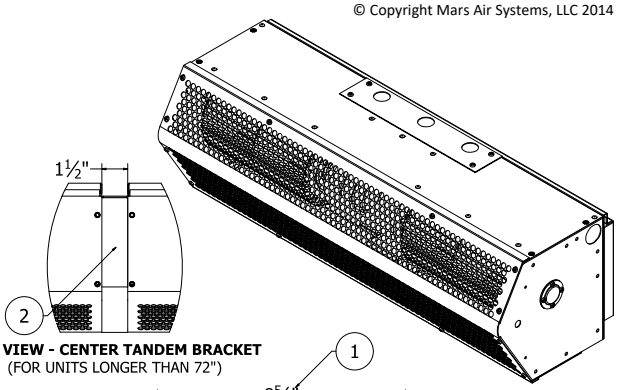
LPV2 (Low Profile Variable Speed 2) Series

Unheated
Model Lengths: 25”–144”
Environmental Separation (up to 8’)
Insect Control (up to 7’)

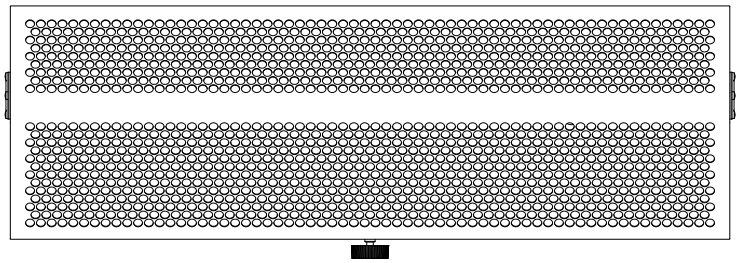
atmosphere is everything
14716 S. BROADWAY, GARDENA, CA 90248 ● Ph: (310)532-1555 ● Fax: (310)-532-3030 ● www.marsair.com
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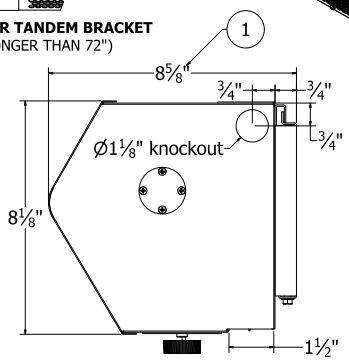


TOP VIEW

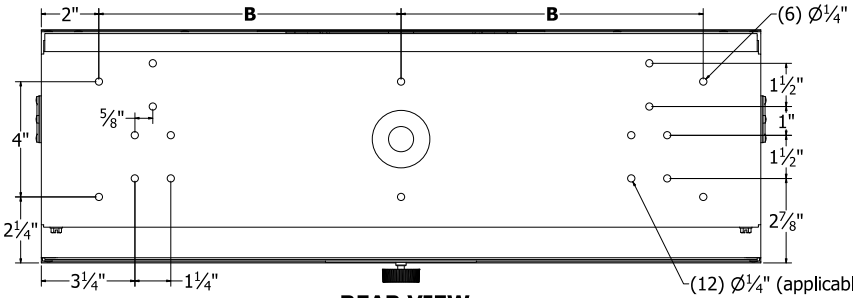


TOP VIEW - CENTER TANDEM BRACKET
(FOR UNITS LONGER THAN 72")


FRONT VIEW



SIDE VIEW
nozzle depth



REAR VIEW

Notes:

1. Overall depth is 11½” for LPV2 units with SimpleLink option.
2. Units up to 72” in width can be fastened to wall on both ends without intermediate support. Longer units are double units joined by a 1½” mounting bracket and must be supported in the center.
3. Recommended service clearances are 2” to the left and right sides, 6” on top, and 18” in front of the unit.
4. Circuit protection (per NEC) to be installed by others.
5. 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.

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)
☐ LPV225-1U*-OB	25	25	10 ½	1/6	20	1800	625
☐ LPV236-1U*-OB	36	36	16	1/6	32	1800	900
☐ LPV242-1U*-OB	42	42	19	1/6	35	1800	1050
☐ LPV248-1U*-OB	48	48	22	1/6	40	1800	1200
☐ LPV260-1U*-OB	60	60	28	1/6	48	1800	1500
☐ LPV272-1U*-OB	72	72	34	1/6	58	1800	1800
☐ LPV284-2U*-OB	85 ½	85 ½	19	(2) 1/6	75	1800	2100
☐ LPV296-2U*-OB	97 ½	97 ½	22	(2) 1/6	83	1800	2400
☐ LPV2108-2U*-OB	109 ½	109 ½	25	(2) 1/6	92	1800	2700
☐ LPV2120-2U*-OB	121 ½	121 ½	28	(2) 1/6	102	1800	3000
☐ LPV2144-2U*-OB	145 ½	145 ½	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.

NOTE: Mars Air Systems, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, or replacements for previously purchased equipment.

LPV2 (Low Profile Variable Speed 2) Series

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Standard Features:

- ETL-certified to conform to UL 507 (US) and CSA 22.2 (Canada) standards for indoor and outdoor use
- Sleek self-contained one-piece heavy-gauge corrosion-proof paint lock metal design
- Fire retardant and rust preventative electrostatic polyurethane powder coating
  - Standard color is Obsidian Black (OB)
- 1/6 HP continuous duty motors (NEMA 1)
- Variable speed controller with off setting
- 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

Electrical Data Full Load Amp (FLA)	Unit Amperage (Voltage Code)	
	115V/1Ø ☐ (A)	208-230V/1Ø ☐ (D)
☐ LPV225-1U*-OB	2.4	1.2
☐ LPV236-1U*-OB	2.4	1.2
☐ LPV242-1U*-OB	2.4	1.2
☐ LPV248-1U*-OB	2.4	1.2
☐ LPV260-1U*-OB	2.6	1.4
☐ LPV272-1U*-OB	2.6	1.4
☐ LPV284-2U*-OB	4.8	2.4
☐ LPV296-2U*-OB	4.8	2.4
☐ LPV2108-2U*-OB	5.0	2.6
☐ LPV2120-2U*-OB	5.2	2.8
☐ LPV2144-2U*-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

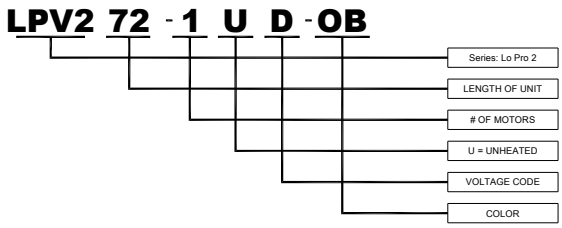
Alternate voltage codes with FLA data:
·220V/1Ø/50Hz (U) – 0.9A per motor

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
- Filters
  - ☐J05‡-†, ¼” aluminum pressed frame bank filters (‡ = Model Length, † = # of Motors)
- Severe Duty and Finish
  - ☐HSG-304SS-LP, 304 Stainless steel housing construction

(§) = Shipped loose

EXAMPLE



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

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