

NOTES:

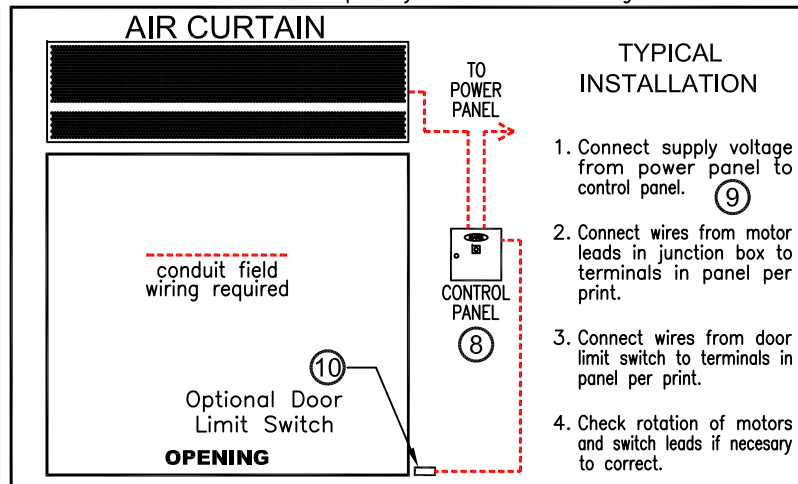
- ① This product is designed to comply with the National Electric Code (NEC), ETL listed for US & Canada, and bear the CE mark.
- ② 7/16" mounting holes (4) provided, (2) on each end.
- ③ 1/2" key hole slots (2) provided, (1) on each end for wall mounting.
- ④ All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal, double protected with baked on gray color, rust preventative electrostatic polyurethane powder coating.
- ⑤ Cabinet has sufficient strength for fastening to wall on both ends without intermediate support.
- ⑥ Internal J-Box(es) for electrical wiring.
- ⑦ Unit is to be installed such that air flow is unobstructed. Air discharge nozzle containing adjustable air directional vanes with 40° sweep front to back.
- ⑧ Optional motor control panel. Overloads are factory pre-set. Standard procedure is to ship panel loose for remote mount. Can be factory mounted on either left or right hand side of air curtain housing. Please specify.
- ⑨ Circuit protection as per NEC by others.
- ⑩ Optional door limit switch is field installed and is to be wired to the control panel. Switch to be mounted such that the air curtain turns on as door begins to open.

-2, -3 & -4 designates the number of motors.

*NOTE: Intake screen size and quantity varies with unit length.



MODEL NUMBER	MOUNTING CENTERS A	OVERALL LENGTH B
HV2 36-1U	35 1/8"	36"
HV2 42-1U	41 1/8"	42"
HV2 48-1U	47 1/8"	48"
HV2 60-1U	59 1/8"	60"
HV2 72-2U	71 1/8"	72"
HV2 84-2U	83 1/8"	84"
HV2 96-2U	96 1/8"	96"
HV2 96-3U	96 1/8"	96"
HV2 108-2U	107 1/8"	108"
HV2 108-3U	107 1/8"	108"
HV2 120-2U	119 1/8"	120"
HV2 120-3U	119 1/8"	120"
HV2 144-3U	143 1/8"	144"
HV2 144-4U	143 1/8"	144"



PROJECT	Model No.:
LOCATION	Drawing No.:
ARCHITECT	Date
ENGINEER	Sheet of
	Drawn By:
	Checked By:



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HIGH VELOCITY 2 (HV2) 1 HP UNHEATED MODELS

JOB: _____

ARCHITECT/ENGINEER: _____
CONTRACTOR: _____

DRWG.: _____
SHEET _____ **of** _____ **DATE:** _____

MOTOR FAN DATA

MARK	HIGH VELOCITY MODEL NUMBER	NO. REQ'D	LENGTH	NET WEIGHT (lbs)	MOTOR HP	MOTOR RPM**	VOLTS & PHASE	FLA*				MAX FPM** at Nozzle	MAX CFM** at Nozzle	dBA Measured 10 ft. from Nozzle	REMARKS
								SINGLE PHASE		THREE PHASE					
								115V	208 / 230V	208 / 230V	460V				
	HV2 36-1U		3'	115	1	1750		9.0	5.0/5.0	3.3/3.2	1.6	5140	4000	70	
	HV2 42-1U		3' 6"	120	1	1750		9.0	5.0/5.0	3.3/3.2	1.6	4570	4000	70	
	HV2 48-1U		4'	125	1	1750		9.0	5.0/5.0	3.3/3.2	1.6	4000	4000	70	
	HV2 60-1U		5'	140	1	1750		9.0	5.0/5.0	3.3/3.2	1.6	3200	4000	70	
	HV2 72-2U		6'	220	Two	1750		18.0	10.0/10.0	6.6/6.4	3.2	5140	8000	73	
	HV2 84-2U		7'	235	Two	1750		18.0	10.0/10.0	6.6/6.4	3.2	4570	8000	73	
	HV2 96-2U		8'	250	Two	1750		18.0	10.0/10.0	6.6/6.4	3.2	4000	8000	73	
	HV2 96-3U		8'	320	Three	1750		27.0	15.0/15.0	9.9/9.6	4.8	5000	10,000	75	
	HV2 108-2U		9'	265	Two	1750		18.0	10.0/10.0	6.6/6.4	3.2	3550	8000	73	
	HV2 108-3U		9'	330	Three	1750		27.0	15.0/15.0	9.9/9.6	4.8	5500	12,000	75	
	HV2 120-2U		10'	275	Two	1750		18.0	10.0/10.0	6.6/6.4	3.2	3200	8000	73	
	HV2 120-3U		10'	345	Three	1750		27.0	15.0/15.0	9.9/9.6	4.8	4800	12,000	75	
	HV2 144-3U		12'	375	Three	1750		27.0	15.0/15.0	9.9/9.6	4.8	4000	12,000	75	
	HV2 144-4U		12'	440	Four	1750		36.0	20.0/20.0	13.2/12.8	6.4	5140	16,000	75	

EQUIPMENT SPECIFICATIONS - Standard Features

GENERAL

Air curtain shall be a Mars Air Doors® brand air curtain: Type High Velocity Unheated.

APPROVALS

Air curtain shall meet the requirements of the National Electric Code. (N.E.C.), ETL Listed for US & Canada, and bear the CE mark.

CABINET

Cabinet shall be a self contained one piece housing with sufficient strength for fastening to wall on both ends without intermediate support. Cabinet constructed of fire retardant, corrosion proof paint lock metal and double protected with gray baked rust preventative electrostatic polyurethane powder coating. Discharge air outlet nozzle shall be wedge shaped containing adjustable air directional vanes with 40° sweep front to back. Motor/Fan assembly to be easily accessible for maintenance.

MOTORS AND BLOWER WHEELS

Motor(s) shall be totally enclosed air over (TEAO) type suitable for continuous heavy duty, all angle operation. Construction shall include sealed lifetime pre-lubricated ball bearings, resilient mounted and protected by an automatic reset thermal overload switch. Motor(s) to have double extended shaft and direct drive, double inlet, dynamically balanced forward curved squirrel cage blower wheels.

ELECTRICAL WIRING

All junction boxes are internally mounted: one motor-(1) 2"x 4"; two motors-(1) 4"x 4"; three or four motors-(2) 4"x 4". External Mounted J-Box(es) for Explosion Proof Motor(s) (1) J-Box for each Explosion Proof Motor.

GUARANTEE

Shall be five years on all parts.

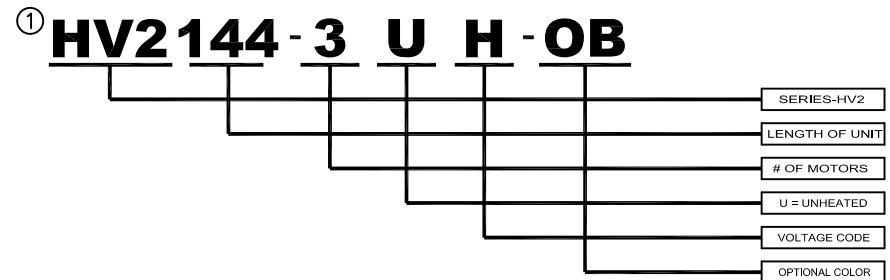
ACCESSORIES

Refer to optional features and accessories page.

* - For Ampacity Multiply FLA X 1.25

** - 17% Reduction in Performance on units with 50Hz.

EXAMPLE



SIZE	VOLTAGE	CODE
42"-144"	115/1/60	A
42"-144"	208-230/1/60	D
42"-144"	220/1/50	U
42"-144"	208-230/3/60	G
42"-144"	460/3/60	H
42"-144"	575/3/60	I

COLOR	CODE
OBSIDIAN BLACK	OB
TITANIUM SILVER	TS
PEARL WHITE	PW
SPARTAN BRONZE	SB
BATTLESHIP GRAY	BG

MADE WITH PRIDE IN THE U.S.A.

HIGH VELOCITY 2 (HV2) 1 HP UNHEATED MODELS