



NOTES:

- ① This product is designed to meet the National Electric Code (NEC)
- ② Continuous duty, direct drive, variable speed, double shaft motors with automatic thermal overload protection. Overload protects motor from burnout, minimizing maintenance costs. Motor connected with an 3' cord, three conductor cord and plug.
- ③ Blower wheels are rust proof and dynamically balanced to provide quiet operation, while maintaining high air velocity.
- ④ Low profile appearance. Overall height is 8" and overall depth is 10 3/4".
- ⑤ Air directional vanes, with 40° sweep front to back, compensates for drafts.
- ⑥ Mounted adjustable speed controller knob allows air velocity to meet a wide range of field conditions.
- ⑦ All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal, double protected with Obsidian Black rust preventive electrostatic powdercoating.
- ⑧ Normally closed door limit switch(s) is optional and field installed. Switch to be mounted so the air curtain turns on as the door begins to open. Two door limit switches shown for double door. For single door (1) door limit switch will be installed.

MODEL NUMBER	UNIT LENGTH (A)	MOUNTING BRACKET LENGTH (B)
LPV30	30"	30"
LPV36	36"	36"
LPV42	42"	42"
LPV48	48"	48"
LPV60	60"	60"
LPV72	72"	72"
LPV84-2	86"	86"
LPV96-2	98"	98"
LPV108-2	110"	110"
LPV120-2	122"	122"
LPV144-2	146"	146"

AIR CURTAIN

field conduit wiring

DOUBLE DOOR

TYPICAL INSTALLATION

1. Install mounting plate using the pre-drilled holes.
2. Securely attach cabinet to mounting plate using tabs as guides, when fully inserted secure with (2) #10-32 Pan Hd. **CAUTION:** Unit to be mounted with the lowest moving part at least 7 ft above floor or grade level.
3. Install optional door limit switch(es) to door header.
4. Plug in unit using the 3-wire cord/plug supplied.

PROJECT	MODEL NO.
LOCATION	DRAWING NO.
ARCHITECT	DATE
ENGINEER	SHEET OF
	DRAWN BY
	CHECKED BY
	PROJECT NO.

MARS
A DIVISION OF MARS SALES COMPANY

14716 S. BROADWAY • GARDENA, CA 90248
Phone: 310-532-1555 • 800-421-1266 • Fax: 310-324-3030
www.mar.sale.com • mar.sale@mar.sale.com



JOB:

ARCHITECT/ENGINEER:

DRWG.:

CONTRACTOR:

SHEET _____ **of** _____ **DATE:** _____

MOTOR FAN DATA

MARK	MODEL NUMBER	NUMBER REQ'D	OVERALL LENGTH (INCHES)	NUMBER OF MOTORS	WEIGHT (LBS)	VOLTAGE	FLA (AMPACITY) SINGLE PHASE		Max FPM at Nozzle	Max CFM at Nozzle	dBA Measured 10 ft. from Nozzle	REMARKS
							115V	208V 240V				
	LPV30		30	(1) 1/6	28		2.4 (3.0)	.9 (1.2)	1800	750	49	
	LPV36		36	(1) 1/6	34		2.4 (3.0)	.9 (1.2)	1800	900	49	
	LPV42		42	(1) 1/6	40		2.4 (3.0)	.9 (1.2)	1800	1050	50	
	LPV48		48	(1) 1/6	45		2.4 (3.0)	.9 (1.2)	1800	1200	52	
	LPV60		60	(1) 1/6	55		2.6 (3.4)	1.3 (1.7)	1800	1500	53	
	LPV72		72	(1) 1/6	68		2.6 (3.4)	1.3 (1.7)	1800	1800	53	
	LPV84-2		86	(2) 1/6	80		4.8 (6.0)	1.8 (2.4)	1800	2100	51	
	LPV96-2		98	(2) 1/6	92		4.8 (6.0)	1.8 (2.4)	1800	2400	53	
	LPV108-2		110	(2) 1/6	100		5.0 (6.3)	2.2 (2.8)	1800	2700	54	
	LPV120-2		122	(2) 1/6	112		5.2 (6.6)	2.6 (3.4)	1800	3000	54	
	LPV144-2		146	(2) 1/6	135		5.2 (6.6)	2.6 (3.4)	1800	3600	54	

EQUIPMENT SPECIFICATIONS – Standard Features

GENERAL
Air curtain shall be a Mars® Air Doors brand air curtain: LoPro Variable Speed Commercial unheated.

An equipment specification can be prepared by combining the standard features with the checked boxes below indicating the selection of the optional features.

APPROVALS
Air curtain shall meet the requirements of the National Electric Code. (N.E.C.) and ETL certified for US & Canada.

OPTIONAL FEATURES
When checked below, the air curtain will be supplied with the following special features.

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 Obsidian Black baked rust preventative electrostatic polyurethane powder coating. Discharge air outlet nozzle shall be wedge shaped containing adjustable air direction vanes with 40° sweep front to back. Motor/Fan assembly to be easily accessible for maintenance.

Combination door limit switch (20 amp) for automatic on/off control. turns air curtain on when door is opened and off when door is closed. Field installed.

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, cross flow blower wheels.

- Optional Colors
- Pearl White
 - Titanium Silver
 - Spartan Bronze

ELECTRICAL WIRING

Unit supplied with 1/2" Conduit Knockouts.

GUARANTEE

Shall be five years on all parts.

MADE WITH PRIDE IN THE U.S.A.

LOPro VARIABLE SPEED COMMERCIAL MODELS