

NOTES:

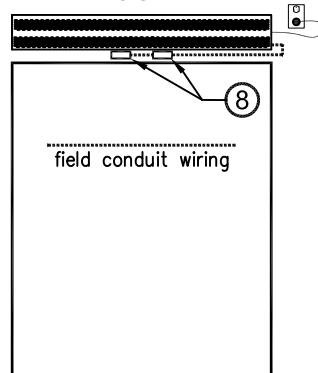
- ① This product is designed to meet the National Electric Code (NEC) and is ETL Listed for the US and Canada and NSF/ANSI Standard 37.
- ② Continuous duty, direct drive, single speed, double shaft motors with automatic thermal overload protection. Overload protects motor from burnout, minimizing maintenance costs. Motor connected with an 8' 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 Countertop or concession applications are denoted with an-F at the end of the model numbers and supplied with washable aluminum filters. LPN25, LPN28 & LPN30 include the washable aluminium filters as standard.
- ⑦ All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal, double protected with Obsidian Black rust preventative electrostatic powder coatin. Units greater than 72" are double units joined with a 2" mounting bracket located in the center, field installed.
- ⑧ Normally closed door limit switch(es) is optional and field installed. Switch to be mounted so the air curtain turns on as the door begins to open.



*BEARING CAP ADDS 1/2" TO UNIT LENGTH

MODEL NUMBER	UNIT LENGTH (A)
LPN25-1U	25"
LPN28-1U	28"
LPN30-1U	30"
LPN36-1U	36"
LPN42-1U	42"
LPN48-1U	48"
LPN60-1U	60"
LPN72-1U	72"
LPN84-2U	86"
LPN96-2U	98"
LPN108-2U	110"
LPN120-2U	122"
LPN144-2U	146"

AIR CURTAIN



TYPICAL INSTALLATION

- 1-Install Mounting plate(s) using the pre-drilled holes.
- 2- Securely attach cabinet to mounting plate using tabs as guides, when fully inserted secure with (2) #10 Tek Screws.
"CAUTION": Unit to be mounted with the lowest moving part at least 7 Feet above floor or grade level.
- 3-Install optional door limit switch(es) to door header. ⑧
- 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:

MARS®
AIR SYSTEMS

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JOB:

ARCHITECT/ENGINEER:

DRWG.:

CONTRACTOR:

SHEET ____ of ____ DATE:

MARK	MODEL NUMBER	NUMBER REQ'D	OVERALL LENGTH (INCHES)	MOTOR HP @ 1550 RPM**	WEIGHT (LBS)	MOTOR FAN DATA					REMARKS
						FLA* SINGLE PHASE		Max FPM** at Nozzle	Max CFM** at Nozzle	dBA Measured 10 ft. from Nozzle	
						115V	208/230V				
	LPN25-1U		25	1 @ 1/6	24	2.4	1.2/1.2	1800	625	49	
	LPN28-1U		28	1 @ 1/6	25	2.4	1.2/1.2	1800	700	49	
	LPN30-1U		30	1 @ 1/6	28	2.4	1.2/1.2	1800	750	49	
	LPN36-1U		36	1 @ 1/6	35	2.4	1.2/1.2	1800	900	49	
	LPN42-1U		42	1 @ 1/6	38	2.4	1.2/1.2	1800	1050	50	
	LPN48-1U		48	1 @ 1/6	42	2.4	1.2/1.2	1800	1200	52	
	LPN60-1U		60	1 @ 1/6	51	2.6	1.4/1.4	1800	1500	53	
	LPN72-1U		72	1 @ 1/6	61	2.6	1.4/1.4	1800	1800	53	
	LPN84-2U		86	2 @ 1/6	79	4.8	2.4/2.4	1800	2100	53	
	LPN96-2U		98	2 @ 1/6	87	4.8	2.4/2.4	1800	2400	53	
	LPN108-2U		110	2 @ 1/6	96	5.0	2.6/2.6	1800	2700	54	
	LPN120-2U		122	2 @ 1/6	105	5.2	2.8/2.8	1800	3000	54	
	LPN144-2U		146	2 @ 1/6	125	5.2	2.8/2.8	1800	3600	54	

EQUIPMENT SPECIFICATIONS – Standard Features

GENERAL

Air curtain shall be a Mars® Air Doors brand air curtain: LoPro NSF Commercial unheated.

APPROVALS

Air curtain shall meet the requirements of the National Electric Code. (N.E.C.) and ETL Listed for US & Canada and NSF/ANSI Standard 37.

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 is internal wedge shaped containing adjustable air direction aluminum vanes with 40° sweep front to back. Motor & Fans are easily accessible for maintenance. Countertop or concession applications are denoted with an -F at the end of the model number and supplied with washable aluminum filters. LPN25, LPN28 & LPN30 include the washable aluminium filter as standard.

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.

ELECTRICAL WIRING

Unit supplied with 1/2" Conduit Knockouts.

GUARANTEE

Shall be 5 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

①

LPN144-2 U A -OB

SERIES-LPN

LENGTH OF UNIT

OF MOTORS

U = UNHEATED

VOLTAGE CODE

OPTIONAL COLOR

SIZE	VOLTAGE	CODE
25"-144"	115/1/60	A
25"-144"	208-230/1/60	D
25"-144"	220/1/50	U

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.

LoPro (LPN) 1/6 HP NSF COMMERCIAL UNHEATED MODELS

LPN-B 6/2/10 ML