

NOTES:

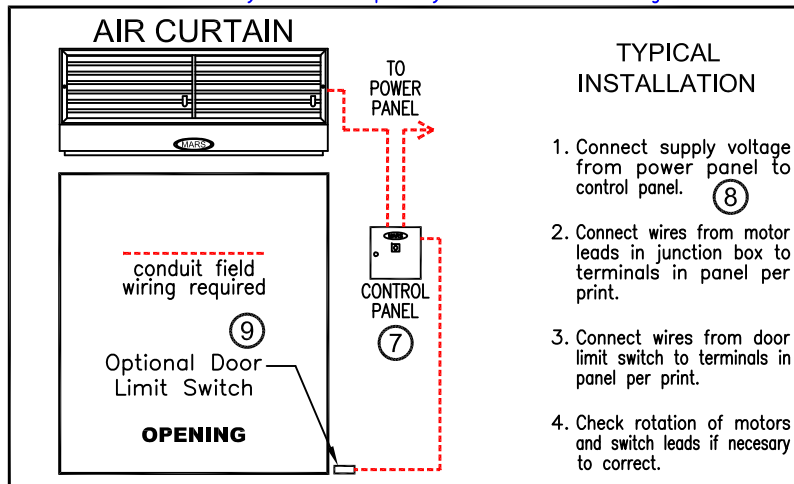
- ① This product is designed to comply with the National Electric Code (NEC), ETL listed for US & Canada, and bear the CE mark.
- ② 7/16" mounting holes (4) provided, (2) on each end.
- ③ All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal, double protected with baked on gray color, rust preventative electrostatic polyurethane powder coating.
- ④ Cabinet has sufficient strength for fastening to wall on both ends without intermediate support.
- ⑤ Internal J-Box(es) for electrical wiring.
- ⑥ 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.
- ⑦ 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.
- ⑧ Circuit protection as per NEC by others.
- ⑨ 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: Louver assembly size and quantity varies with unit length.



MODEL NUMBER	MOUNTING CENTERS A	OVERALL LENGTH B
EP48-1U	47 1/8"	48"
EP60-1U	59 1/8"	60"
EP72-2U	71 1/8"	72"
EP84-2U	83 1/8"	84"
EP96-2U	95 1/8"	96"
EP108-2U	107 1/8"	108"
EP108-3U	107 1/8"	108"
EP120-2U	119 1/8"	120"
EP120-3U	119 1/8"	120"
EP144-3U	143 1/8"	144"



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



AIR SYSTEMS

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EXTRA POWER (EP) 3 HP UNHEATED MODELS

JOB: _____

ARCHITECT/ENGINEER: _____

DRWG.: _____

CONTRACTOR: _____

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

MARK	EXTRA POWER MODEL NUMBER	NO. REQ'D	LENGTH	WEIGHT (LBS)	MOTOR FAN DATA								dBA Measured 10 ft. from Nozzle	REMARKS	
					MOTOR HP	MOTOR RPM**	VOLTS & PHASE	FLA* SINGLE PHASE		FLA* THREE PHASE		MAX FPM** at Nozzle			MAX CFM** at Nozzle
								115V	208 / 230V	208 / 230V	460V				
	EP48-1U		4'	130	3	3450		30.0	16.5/15.0	8.3/7.6	3.8	4800	4800	76	
	EP60-1U		5'	140	3	3450		30.0	16.5/15.0	8.3/7.6	3.8	3840	4800	76	
	EP72-2U		6'	300	Two	3	3450	60.0	33.0/30.0	16.6/15.2	7.6	6100	9600	79	
	EP84-2U		7'	320	Two	3	3450	60.0	33.0/30.0	16.6/15.2	7.6	5485	9600	79	
	EP96-2U		8'	325	Two	3	3450	60.0	33.0/30.0	16.6/15.2	7.6	4800	9600	79	
	EP108-2U		9'	335	Two	3	3450	60.0	33.0/30.0	16.6/15.2	7.6	4200	9600	79	
	EP108-3U		9'	410	Three	3	3450	90.0	49.5/45.0	24.9/22.8	11.4	6222	14,000	81	
	EP120-2U		10'	350	Two	3	3450	60.0	33.0/30.0	16.6/15.2	7.6	3840	9600	79	
	EP120-3U		10'	425	Three	3	3450	90.0	49.5/45.0	24.9/22.8	11.4	5760	14,400	81	
	EP144-3U		12'	450	Three	3	3450	90.0	49.5/45.0	24.9/22.8	11.4	4800	14,400	81	

EQUIPMENT SPECIFICATIONS - Standard Features

GENERAL

Air curtain shall be a Mars Air Doors® brand air curtain: Type Extra Power 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. Cabinet to have mechanically field adjustable variable intake louver assembly capable of reducing outlet air velocity up to 60% with louver in totally closed position. 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".

GUARANTEE

Shall be five years on all parts.

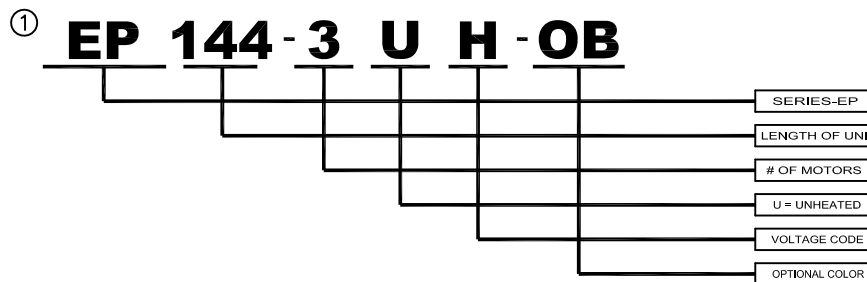
ACCESSORIES

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
48"-144"	115/1/60	A
48"-144"	208-230/1/60	D
48"-144"	220/1/50	U
48"-144"	208-230/3/60	G
48"-144"	460/3/60	H
48"-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.

EXTRA POWER (EP) 3 HP UNHEATED MODELS