

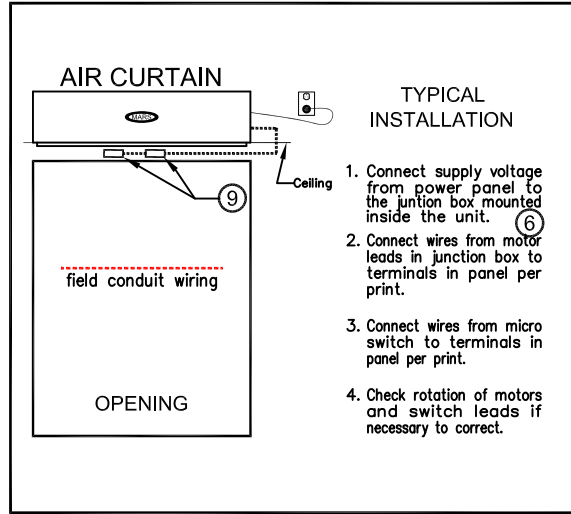
**NOTES:**

- ① This product is designed to meet the National Electric Code (NEC) and is ETL Listed for the US and Canada.
- ② (4) 1/2" threaded rod required for overhead installation.
- ③ All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal, double protected with baked on white color rust preventative electrostatic polyurethane powder coating.
- ④ Trim pieces included to match air curtains and ceilings.
- ⑤ Units greater than 72" are multiple units joined with top mounting bracket located in the center, field installed. The speed controller will be located on the right hand unit and controls both units.
- ⑥ Circuit protection as per NEC by others.
- ⑦ Units to be installed such that air flow is unobstructed. Air Discharge nozzle containing adjustable air directional vanes with 40 deg sweep front and back.
- ⑧ Cleanable polyester filters included as standard. Optional aluminum or throwaway pleated filters available.
- ⑨ 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.



Note: Drawing not to scale

MODEL NUMBER	NOZZLE WIDTH Ⓐ	UNIT WIDTH Ⓑ	MOUNTING WIDTH Ⓒ	HEIGHT Ⓓ
PH10 36-1U	36"	36 1/8"	35 1/8"	16 1/2"
PH10 42-1U	42"	42 1/8"	41 1/8"	16 1/2"
PH10 48-1U	48"	48 1/8"	47 1/8"	16 1/2"
PH10 60-1U	60"	60 1/8"	59 1/8"	16 1/2"
PH10 64-2U	64"	64 1/8"	63 1/8"	16 1/2"
PH10 72-2U	72"	72 1/8"	71 1/8"	16 1/2"
PH10 84-2U	84"	84 1/8"	83 1/8"	16 1/2"
PH10 96-2U	96"	96 1/8"	95 1/8"	16 1/2"
PH10 108-3U	108"	108 1/8"	107 1/8"	16 1/2"
PH10 120-2U	120"	120 1/8"	119 1/8"	16 1/2"
PH10 144-3U	144"	144 1/8"	143 1/8"	16 1/2"
PH10 144-4U	144"	144 1/8"	143 1/8"	16 1/2"



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



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**JOB:** \_\_\_\_\_

**ARCHITECT/ENGINEER:  
CONTRACTOR:** \_\_\_\_\_

**DRWG.:** \_\_\_\_\_  
**SHEET** \_\_\_\_\_ **of** \_\_\_\_\_ **DATE:** \_\_\_\_\_

MARK	MODEL NUMBER	NO. REQ'D	LENGTH	WEIGHT (LBS)	MOTOR FAN DATA										REMARKS
					MOTOR HP	MOTOR RPM**	VOLTS & PHASE	FLA* SINGLE PHASE		FLA* THREE PHASE		Max FPM** at Nozzle	Max CFM** at Nozzle	dBA 10 ft. from Nozzle	
								115V	208V/230V	208V/230V	460V				
	PH10 36-1U		36"	60	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	3400	2550	66	
	PH10 42-1U		42"	60	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	2925	2550	66	
	PH10 48-1U		48"	65	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	2550	2550	66	
	PH10 60-1U		60"	70	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	2550	2550	66	
	PH10 64-2U		64"	100	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	3825	5100	68	
	PH10 72-2U		72"	105	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	3475	5100	68	
	PH10 84-2U		84"	125	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	2925	5100	68	
	PH10 96-2U		96"	130	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	2550	5100	68	
	PH10 108-3U		108"	170	Three 1/2	1750		15.3	7.5/7.5	5.4/4.8	2.4	3400	7650	71	
	PH10 120-2U		120"	140	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	2550	5100	68	
	PH10 144-3U		144"	195	Three 1/2	1750		15.3	7.5/7.5	5.4/4.8	2.4	2550	7650	71	
	PH10 144-4U		144"	210	Four 1/2	1750		20.4	10.0/10.0	7.2/6.4	3.2	3400	10,200	73	

**EQUIPMENT SPECIFICATIONS - Standard Features**

**GENERAL**

Air curtain shall be a Mars Air Doors® brand air curtain: Type Phantom 10 Unheated.

**APPROVALS**

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

**CABINET**

Cabinet shall be a self contained one piece housing with sufficient strength for fastening to the ceiling on both ends without intermediate support for models up to 72" in length. Cabinet constructed of T6061-T6 brushed 20 gage aluminum. Bottom (intake screen) of the unit is double protected with Pearl White color, 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/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.

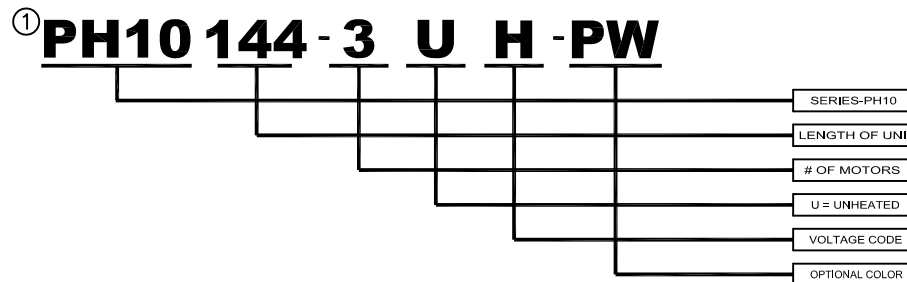
**ACCESSORIES**

Refer to the optional features and accessories page.

**MADE WITH PRIDE IN THE U.S.A.**

- \* - For Ampacity Multiply FLA X 1.25
- \*\* - 17% Reduction in Performance on units with 50Hz.

**EXAMPLE**



SIZE	VOLTAGE	CODE
36"-144"	115/1/60	A
36"-144"	208-230/1/60	D
36"-144"	220/1/50	U
36"-144"	208-230/3/60	G
36"-144"	460/3/60	H
36"-144"	575/3/60	I

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