

NOTES:

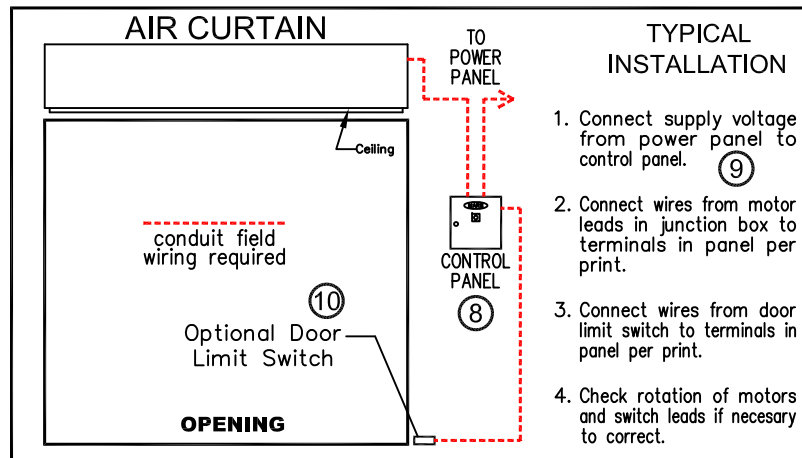
- ① This product is designed to meet the National Electric Code (NEC) and is ETL Listed for the US and Canada.
- ② (4) 1/2" threaded rod required for overhead installation.
- ③ All units have a self contained one piece cabinet, fire retardant with brushed aluminum housing. The exposed bottom surface is protected with baked on Pearl 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 Cleanable polyester filters included as standard. Optional aluminum or throwaway pleated filters available.
- 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 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 A	LENGTH B
PH1036-1U	35 1/8"	36"
PH1042-1U	41 1/8"	42"
PH1048-1U	47 1/8"	48"
PH1060-1U	59 1/8"	60"
PH1060-2U	59 1/8"	60"
PH1064-2U	63 1/8"	64"
PH1072-2U	71 1/8"	72"
PH1084-2U	83 1/8"	84"
PH1096-2U	95 1/8"	96"
PH10108-3U	107 1/8"	108"
PH10120-2U	119 1/8"	120"
PH10120-4U	119 1/8"	120"
PH10144-3U	143 1/8"	144"
PH10144-4U	143 1/8"	144"



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



atmosphere is everything

14716 S. Broadway • Gardena, CA 90248 • USA
 TEL: (310) 532-1555 • (800) 421-1266 • FAX: (310) 324-3030
 Web Site: www.marsair.com • E-mail: Info@marsair.com

PHANTOM 10 (PH10) 1/2 HP COMMERCIAL UNHEATED MODELS

JOB: _____

ARCHITECT/ENGINEER: _____

DRWG.: _____

CONTRACTOR: _____

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

MARK	PH10 MODEL NUMBER	NO. REQ'D	LENGTH	WEIGHT (LBS)	MOTOR FAN DATA										REMARKS
					MOTOR HP	MOTOR RPM**	VOLTS & PHASE	FLA*		FLA*		Max FPM** at Nozzle	Max CFM** at Nozzle	dBA 10 ft. from Nozzle	
								SINGLE PHASE	THREE PHASE	THREE PHASE	460V				
	PH1036-1U		36"	60	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	3400	2550	66	
	PH1042-1U		42"	60	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	2925	2550	66	
	PH1048-1U		48"	65	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	2550	2550	66	
	PH1060-1U		60"	70	1/2	1750		5.1	2.5/2.5	1.8/1.6	0.8	2550	2550	66	
	PH1060-2U		60"	100	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	3825	5100	68	
	PH1064-2U		64"	100	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	3825	5100	68	
	PH1072-2U		72"	105	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	3475	5100	68	
	PH1084-2U		84"	125	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	2925	5100	68	
	PH1096-2U		96"	130	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	2550	5100	68	
	PH10108-3U		108"	170	Three 1/2	1750		15.3	7.5/7.5	5.4/4.8	2.4	3400	7650	71	
	PH10120-2U		120"	140	Two 1/2	1750		10.2	5.0/5.0	3.6/3.2	1.6	2550	5100	68	
	PH10120-4U		120"	200	Four 1/2	1750		20.4	10.0/10.0	7.2/6.4	3.2	3825	10,200	73	
	PH10144-3U		144"	195	Three 1/2	1750		15.3	7.5/7.5	5.4/4.8	2.4	2550	7650	71	
	PH10144-4U		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 5 years on all parts.

ACCESSORIES

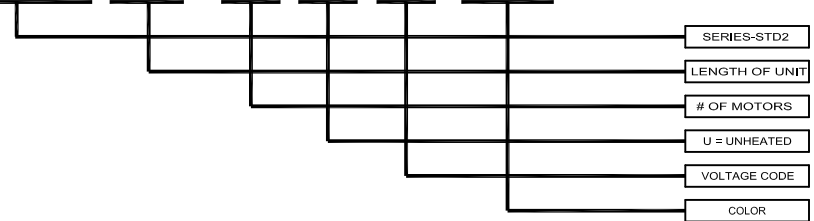
Refer to the optional features and accessories page.

* - For Ampacity Multiply FLA X 1.25

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

EXAMPLE

PH10144-3 U H-OB



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

MADE WITH PRIDE IN THE U.S.A.

PHANTOM 10 (PH10) 1/2 HP COMMERCIAL UNHEATED MODELS

PH10U-B 2/18/13 FRC