



atmosphere is everything

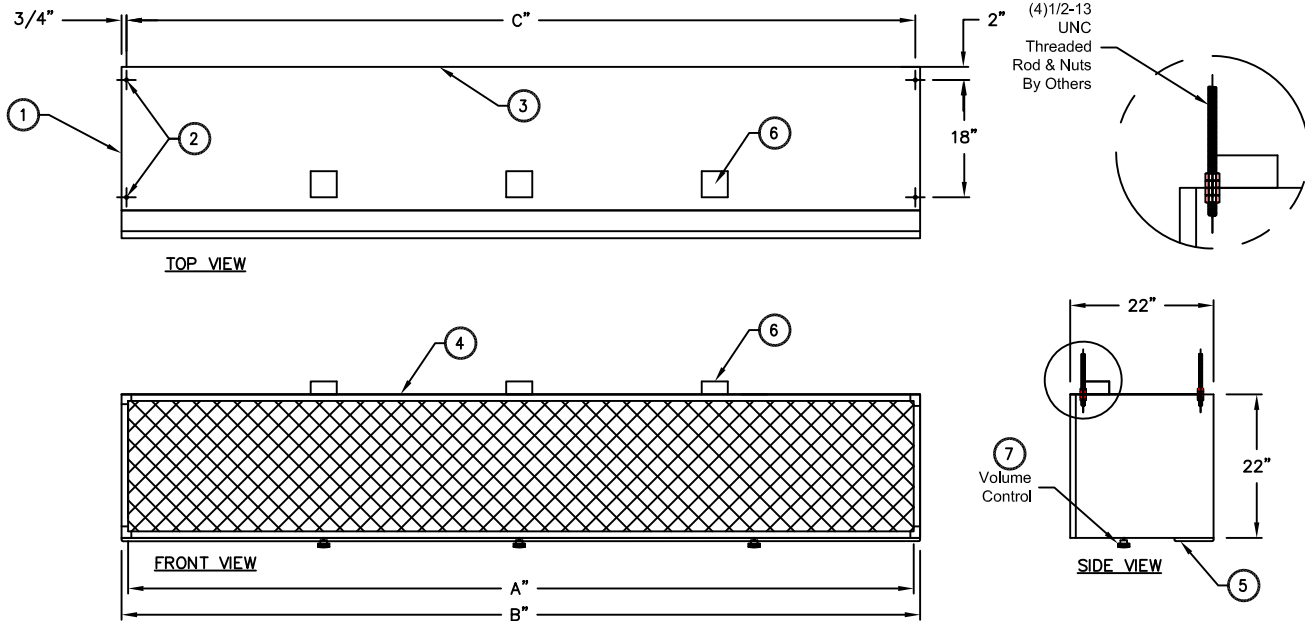
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MODEL NO.	WMH Series	DRAWING NO	WMHU-F	DRAWN BY	NT	CHECKED BY		FILE NAME	
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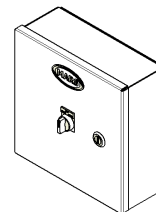
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Unheated Drawing

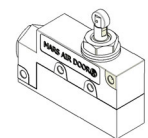
WMH (Wind Stopping 16) Series



⑨ Recommended Accessories



Control Panels



Door Limit Switches

*- Use corresponding letters in "Electrical Data" columns to complete the model numbers.

MODEL NUMBER	NOZZLE LENGTH A (in)	OVERALL LENGTH B (in)	MOUNTING CENTER C (in)
WMH48-1U*-TS	48	51	49 1/2
WMH60-1U*-TS	60	63	61 1/2
WMH72-1U*-TS	72	75	73 1/2
WMH96-2U*-TS	96	99	97 1/2
WMH108-2U*-TS	108	111	109 1/2
WMH120-2U*-TS	120	123	121 1/2
WMH144-2U*-TS	144	147	145 1/2
WMH168-3U*-TS	168	171	169 1/2
WMH192-4U*-TS	192	195	193 1/2

Notes:

- This product is designed to meet the National Electric Code (NEC) and is AMCA 211 Certified.
- (4) 5/8" mounting holes provided on for overhead mounting provided, (2) on each end.
- All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal double protected with baked on Titanium Silver color, rust preventative electrostatic polyurethane powder coating.
- Cabinet is to be mounted from overhead and has sufficient strength for suspension from both ends without intermediate support.
- Unit is to be installed such that air flow is unobstructed. Unit has a 4.5" air discharge nozzle containing adjustable air directional vanes with 40° sweep front to back.
- Units are direct drive. One external top mounted 2"x4" J-box provided above each motor. VFD optional.
- Adjustable perforated volume dampers (2). Capable of reducing air velocity up to 50%.
- Circuit protection as per NEC by others.
- Optional motor control panel and door limit switch are field installed and/or wired by others. The door limit switch is to be mounted such that the air curtain turns on as door begins to open. To prevent unit damage, the air curtain must be installed such that the bottom of the air curtain is not below the door header.

WMH (Wind Stopping 16) Series

Unheated

Model Lengths 96" – 192"



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Unheated Data Sheet

Applications: Environmental Separation: Max Height 20' / Insect Control: Max Height 18'

WMH (Wind Stopping 16)	Mechanical Data						Lab Data		AMCA Certified Lab Data			
Model Number	Nozzle Length (in)	Length (in)	Depth (in)	Height (in)	Motor (hp)	Weight (lbs)	Max Velocity (fpm)	Max Volume (cfm)	Avg Velocity (fpm)	Volume (cfm)	Uniformity (%)	Power Rating (watts)
WMH48-1U*-TS	48	51	22	22	5	320	7300	10950	3722	5412	91	4690
WMH60-1U*-TS	60	63	22	22	5	365	7600	14250	4057	6172	87	6210
WMH72-1U*-TS	72	75	22	22	7	445	7400	16650	3816	8511	82	6650
WMH96-2U*-TS	96	99	22	22	Two 5	635	7300	21900	3722	10824	91	9390
WMH108-2U*-TS	108	111	22	22	Two 5	695	6700	22613	3822	13230	90	11800
WMH120-2U*-TS	120	123	22	22	Two 5	735	7600	28500	4057	12344	87	12420
WMH144-2U*-TS	144	147	22	22	Two 7	890	7400	33300	3816	17022	82	13300
WMH168-3U*-TS	168	171	22	22	Three 5	1060	6700	35175	3822	19845	90	17700
WMH192-4U*-TS	192	195	22	22	Four 5	1275	7300	43800	3722	21648	91	18760

* - Use corresponding letters in "Electrical Data" columns to complete the model numbers.

Note: Data above is for 60 Hz. 17% reduction in the performance data with 50 Hz.

1. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

2. Rated data shown are only for base (unheated) units, as shown.

Features:

- ❖ 5 & 7 HP continuous duty industrial motors
- ❖ Direct drive unit for heavy duty industrial projects
- ❖ AMCA Certified units (see table above for models available)
- ❖ Top and wall mounting holes provided (5/8")
- ❖ Cabinet has sufficient strength for fastening to wall on both ends without intermediate support.
- ❖ Adjustable air directional vanes with 40° sweep front to back
- ❖ Standard color is Titanium Silver
- ❖ Rust preventative electrostatic polyurethane powder coating
- ❖ 12-month parts warranty
- ❖ Freight Not Included (FOB Factory)
- ❖ Proudly Made in the USA

Mars Recommended Accessories (See Submittals for additional details):

- ❖ Door Limit Switches
 - 99-125, Industrial surface mounted magnetic switch (controller required)
- ❖ Controllers
 - MCP*-+U‡, Motor Control Panel, 120V control voltage (* = HP Code, ‡ = # of Motors, ‡ = Voltage Code)
Note: possible HP Codes = E (5 HP), F (7 HP)
 - MCP-TD, Adjustable time delay, 1sec-100hr (panel required)
 - MCP-24V, Low voltage control option (panel required)
 - BMS-303, BMS for monitor and control (panel required with MCP-24V)
Note: Dry contact provided in panel for monitoring motor. 24Vac signal provided from panel for controlling motor

Sound Levels: (measured at 10' in an open field)

2 Motor Unit = 69 dBA, 3 Motor Unit = 70 dBA & 4 Motor Unit = 72 dBA

Projection Velocity		
Model	Distance from nozzle (in)	Avg. Core Velocity (FPM)
WMH60-1U*-TS	40"	2233
	80"	1427
	120"	1227
	160"	993
	200"	867



MARS Air Systems, LLC certifies that the Air Curtains shown on this data sheet are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

Electrical Data (FLA)	Unit Voltage (Voltage Code)		
	208/230v/3Ø (E/F)	460v/3Ø (H)	575v/3Ø (I)
WMH48-1U*-TS	19/15.8	7.9	6.3
WMH60-1U*-TS	19/15.8	7.9	6.3
WMH72-1U*-TS	-/21	10.5	8.4
WMH96-2U*-TS	38/31.6	15.8	12.6
WMH108-2U*-TS	38/31.6	15.8	12.6
WMH120-2U*-TS	38/31.6	15.8	12.6
WMH144-2U*-TS	-/42.0	21.0	16.8
WMH168-3U*-TS	57/47.4	23.7	18.9
WMH192-4U*-TS	76/63.2	31.6	25.2

* - Use corresponding letters in "Electrical Data" columns to complete the model numbers

Alternate voltage codes with FLA (Full Load Amp) data:

380-415v/3Ø/50Hz (W) - 6.6A per motor (5HP), 8.9A per motor (7HP)

For total FLA, multiply motor FLA by # of motors.

Ampacity (MCA) = total FLA X 1.25

EXAMPLE

WMH144-2 U H - TS

Series: Wind Stopping 16
LENGTH OF UNIT
OF MOTORS
U = UNHEATED
VOLTAGE CODE
COLOR