

WMH (Wind Stopping 16) Series

Electric Heated

Model Lengths: 96"–192"

Environmental Separation (up to 20')

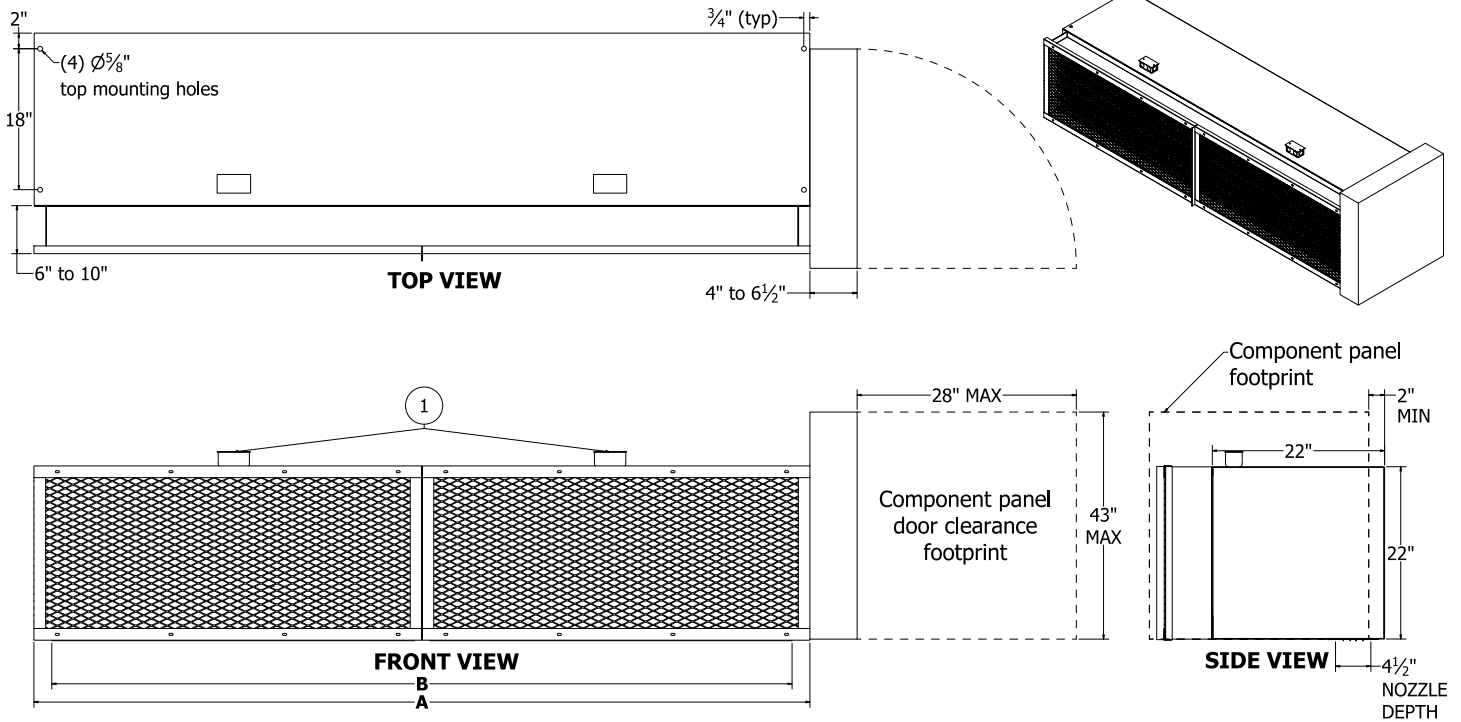
Insect Control (up to 18')



atmosphere is everything

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Notes:

1. External 2"x4" junction boxes for electrical wiring provided on top of unit above each motor
2. Recommended service clearances are 6" to the left side, 28" on the right side, 12" to 22" on top, and 24" in front of the unit.
3. Circuit protection (per NEC) to be installed by others.
4. To prevent accidental damage during operation, unit must be installed so that the bottom of the air curtain does not extend below the door header.
5. Unit can be suspended from overhead on both ends without intermediate support.
6. Electric heater shown with heater component panel on the right side, as standard.

Model Number	Mechanical Data				Lab Data					
	Overall Length A (in)	Nozzle Length B (in)	Motor (hp)	Weight (lb)	Max Velocity (fpm)	Max Volume (cfm)	Avg Velocity (fpm)	Volume (cfm)	Uniformity (%)	Power Rating (watt)
<input type="checkbox"/> WMH96-2E*-TS	99	96	(2) 5	713	7300	21900	3732	10824	91	9390
<input type="checkbox"/> WMH120-2E*-TS	123	120	(2) 5	836	7600	28500	4057	15014	89	12420
<input type="checkbox"/> WMH144-2E*-TS	147	144	(2) 7	1007	7400	33300	3816	17022	82	13300
<input type="checkbox"/> WMH168-3E*-TS	171	120	(3) 5	1197	6700	35175	3822	19845	90	17700
<input type="checkbox"/> WMH192-4E*-TS	195	192	(4) 5	1426	7300	43800	3722	21648	91	18760

* – Use corresponding letters in "Electrical Data" column headers (see page 2) to complete the model numbers. **Note: above data is for 60 Hz at 1160 RPM. For 50 Hz, RPM is 1000 with a 17% reduction in performance.**

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Standard Features:

Air Curtain

- ❖ Air curtain ETL-certified to conform to UL 507 (US) and CSA 22.2 (Canada) standards for indoor use
- ❖ Self-contained one-piece heavy-gauge corrosion-proof paint lock metal design
- ❖ Fire retardant and rust preventative electrostatic polyurethane powder coating
 - Standard color is Titanium Silver (TS)
- ❖ 5 to 7 HP continuous duty Totally Enclosed Air Over (TEAO) motors (NEMA 1)
 - Direct drive system
- ❖ Adjustable air directional vanes with 40° sweep front to back
- ❖ 12-months parts warranty
- ❖ Freight not included
- ❖ Proudly made in the USA

Electric Heater Coil

- ❖ Electric heaters are UL listed for "Zero Clearance" and meets all applicable NEC requirements
- ❖ Coils are an open type for rapid temperature rise to be located in the air curtain's intake directly in the air stream
- ❖ Automatic and manual reset thermal overload protection
- ❖ Airflow pressure switch
- ❖ Heater component panel is mounted on the right side, as standard
 - Left side mount or remote mounted options available

Note: This heater component panel is not the same as a motor control panel (MCP). MCP is recommended to integrate the motors, heater component panel, and door switch.

Mars Recommended Accessories (see [catalog](#) for complete listing):

- ❖ [Door Limit Switches](#) (§)
 - 99-125, Industrial surface mounted magnetic switch (controller required)
 - ❖ [Controllers](#)
 - MCP‡-†E*, [Motor Control Panel](#), 120V control voltage (‡ = HP Code, † = # of Motors, * = Voltage Code) (§)

Note: possible HP codes = E (5 HP) or F (7 HP)

 - MCP-TD, Adjustable time delay, 1sec-100hr (panel required)
 - MCP-24V, Low voltage control option (panel required)
 - BMS-306, BMS for monitor and control (panel with MCP-24V required)

Note: Dry contact provided in panel for monitoring motor. 24Vac signal provided from panel for controlling motor.
 - ❖ [Thermostats](#) (§)
 - 99-064, Thermostat, line voltage up to 250V max, two stage, double pole
- (§) = Shipped loose

Sound Levels (measured at 10' in a free field):

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

Electrical Data Full Load Amp (FLA)	Unit Amperage (Voltage Code)		Heater Wattage Data	
	460V/3Ø (H)	575V/3Ø (I)	kW	Temp Rise (°F)
<input type="checkbox"/> WMH96-2E*-TS	180.8	144.6	131	31
<input type="checkbox"/> WMH120-2E*-TS	210.8	168.6	155	31
<input type="checkbox"/> WMH144-2E*-TS	232	185.8	168	31
<input type="checkbox"/> WMH168-3E*-TS	269.7	198.9	196	31
<input type="checkbox"/> WMH192-4E*-TS	304.6	243.2	217	26

* – Use corresponding letters in "Voltage Code" column headers to complete the model numbers.

Ampacity (MCA) = total FLA x 1.25

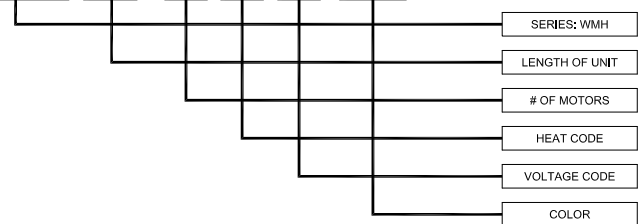
Amps per motor (included in values above):

5HP: 7.9A @ 460V/3Ø; 6.3A @ 575V/3Ø

7HP: 10.5A @ 460V/3Ø; 8.4A @ 575V/3Ø

EXAMPLE

WMH168-3 E F - TS



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