

# WMI (Wind Stopping 14) Series

Electric Heated

Model Lengths: 96"–192"

Environmental Separation (up to 16')

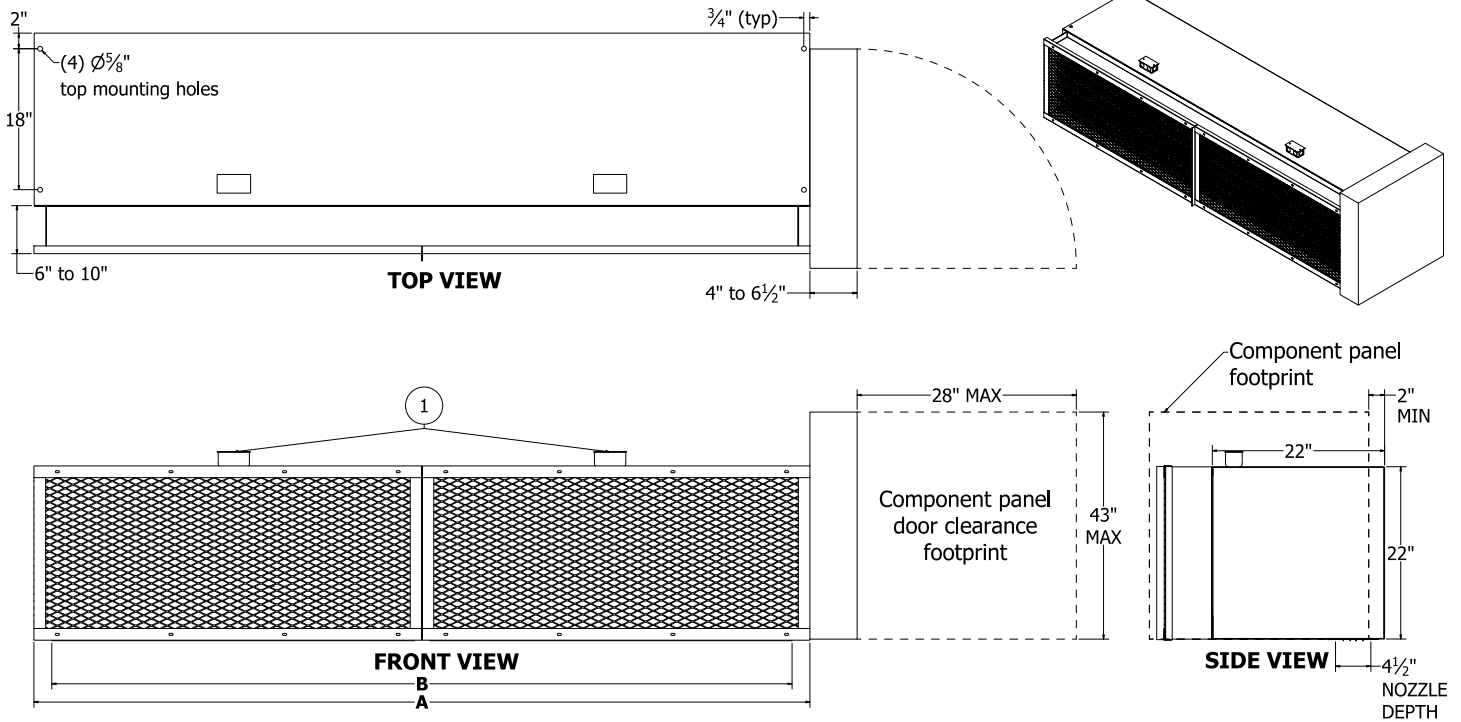
Insect Control (up to 14')



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"/> WMI96-2E*-TS	99	96	(2) 2	600	5500	16500	2614	7842	92	4260
<input type="checkbox"/> WMI120-2E*-TS	123	120	(2) 3	720	5200	19500	3205	9474	90	5600
<input type="checkbox"/> WMI144-2E*-TS	147	144	(2) 3	822	5800	26100	3009	13422	86	6340
<input type="checkbox"/> WMI168-3E*-TS	171	120	(3) 3	1026	4900	25725	2920	15060	84	8070
<input type="checkbox"/> WMI192-4E*-TS	195	192	(4) 2	1197	5500	33000	2614	15684	92	8520

\* – Use corresponding letters in "Electrical Data" column headers (see page 2) to complete the model numbers. **Note:** above data is for 60 Hz at 850 RPM. For 50 Hz, RPM is 700 with a 17% reduction in performance.

NOTE: Mars Air Systems, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, or replacements for previously purchased equipment.

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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)
- ❖ 2 to 3 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 U.L. 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 = C (2 HP) or D (3 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 = 66 dBA, 3 Motor Unit = 67 dBA, 4 Motor Unit = 68 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"/> WMI96-2E*-TS	102	82	75	30
<input type="checkbox"/> WMI120-2E*-TS	110.2	88	78	26
<input type="checkbox"/> WMI144-2E*-TS	151.2	120	110	26
<input type="checkbox"/> WMI168-3E*-TS	174.3	138.5	124	26
<input type="checkbox"/> WMI192-4E*-TS	214.4	170	151	30

\* – 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):

2HP: 3.5A @ 460V/3Ø; 3A @ 575V/3Ø

3HP: 6.1A @ 460V/3Ø; 4.5A @ 575V/3Ø

### EXAMPLE

**WMI 168 - 3 E H - TS**

