

- ① This product is designed to comply with National Electrical Code (NEC), CSA certified, and licensed to bear the AMCA seal.
- ② (4) 5/8" diameter mounting holes (2) on each end for overhead mounting on hanging rods.
- ③ All cabinets welded in one piece, fire retardant and corrosion proof paint lock metal, double protected with baked on gray color, rust preventative electrostatic polyurethane powder coating.
- ④ One watertight electrical junction box per motor mounted on top center of each motor.
- ⑤ Unit is to be installed such that air flow is unobstructed. Air discharge grille containing adjustable ( $\pm 40^\circ$ ) aluminum airfoil shaped vanes.
- ⑥ Optional motor control panel. Overloads are factory preset. Standard procedure is the control panel shipped loose for remote mounting. Control panel can be factory mounted and wired on either side of air curtain. Please specify left or right.
- ⑦ Circuit Protection as per NEC by others.
- ⑧ Optional door limit switch is field installed and is to be wired to the control panel. Switch is to be mounted such that air curtain turns on as soon as door begins to open.

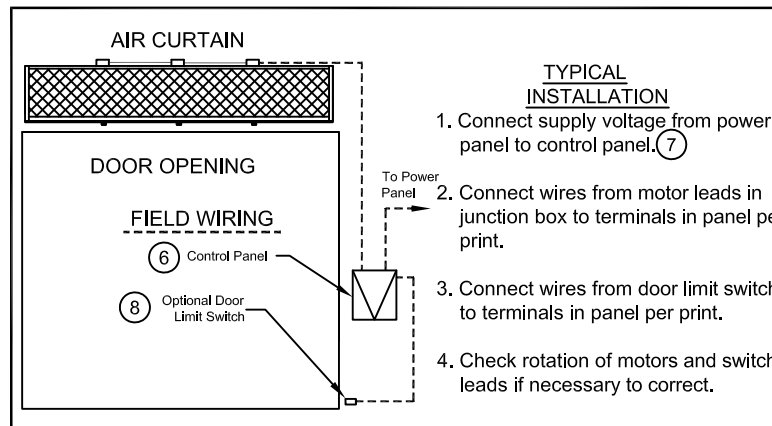


LR92218-1



MARS Sales Co., Inc. certifies that the Air Curtains shown on this data sheet are licensed to bear the AMCA seal. The rating 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.

MODEL NUMBER	MOTORS		DISCHARGE LENGTH	UNIT LENGTH	MOUNTING CENTERS
	NO	HP			
WMI48-1U	1	2	48"	51"	49 1/2"
WMI60-1U	1	3	60"	63"	61 1/2"
WMI72-1U	1	3	72"	75"	73 1/2"
WMI96-2U	2	2	96"	99"	97 1/2"
WMI108-2U	2	3	108"	111"	109 1/2"
WMI120-2U	2	3	120"	123"	121 1/2"
WMI144-2U	2	3	144"	147"	145 1/2"
WMI168-3U	3	3	168"	171"	169 1/2"
WMI192-4U	4	2	192"	195"	193 1/2"
The Following Models Are Not Licensed To Bear The AMCA Seal					
WMI84-2U	2	2	84"	87"	85 1/2"
WMI180-3U	3	3	180"	183"	181 1/2"
WMI216-3U	3	3	216"	219"	217 1/2"



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

## WMI WIND STOPPING 14 UNHEATED MODELS

**JOB:**

**ARCHITECT/ENGINEER:**

**DRWG.:** \_\_\_\_\_

**CONTRACTOR:**

**SHEET** \_\_\_\_ **of** \_\_\_\_ **DATE:** \_\_\_\_\_

**MOTOR DATA**

MARK	MODEL	SHIPPING QTY	WEIGHT (LBS)	MOTOR HP	MOTOR RPM	VOLTAGE	FLA* THREE PHASE			Power ‡ Ratings KW	Max ‡ FPM @ Discharge	Average ‡ Outlet Velocity FPM	Outlet ‡ Velocity Uniformity %	Max ‡ CFM@ Discharge	dBA Measured 10 ft. from Nozzle	REMARKS
							208V	230V	460V							
								WMI 48-1U		260	2	850		8.6	7.8	
	WMI 60-1U		305	3	850		13.0	11.0	5.9	2.65	5200	3205	89.7	4737	65	
	WMI 72-1U		345	3	850		13.0	11.0	5.9	3.17	5800	3009	86.1	6711	65	
	WMI 96-2U		515	(2) - 2	850		17.2	15.6	7.8	4.26	5500	3051	92.3	9154	66	
	WMI108-2U		570	(2) - 3	850		26.0	22.0	11.8	5.38	4900	2920	83.7	9314	66	
	WMI120-2U		610	(2) - 3	850		26.0	22.0	11.8	5.60	5200	3205	89.7	9474	66	
	WMI144-2U		695	(2) - 3	850		26.0	22.0	11.8	6.34	5800	3009	86.1	13422	66	
	WMI168-3U		880	(3) - 3	850		39.0	33.0	17.7	8.07	4900	2920	83.7	15060	67	
	WMI192-4U		1030	(4) - 2	850		34.4	31.2	15.6	8.52	5500	3051	92.3	18308	68	
The Following Models Are Not Licensed To Bear The AMCA Seal.																
	WMI84-2U		470	(2) - 2	850		17.2	15.6	7.8	4.08	7300	3000	89.7	7933	66	
	WMI180-3U		920	(3) - 3	850		39.0	33.0	17.7	8.29	7600	3205	89.7	14211	67	
	WMI216-3U		1075	(3) - 3	850		39.0	33.0	17.7	8.98	7400	3009	86.1	20133	67	

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

Velocity Profile Model: WMI60-1U  
Distance from nozzle (inches) = 36 84 132  
Centerline Velocity (fpm) = 2180 1493 1240

**EQUIPMENT SPECIFICATIONS - Standard Features**

**GENERAL**

Air curtain shall be a MARS® "WMI" Wind Stopping 14 Unheated Models.

**APPROVALS**

Air curtain shall be licensed to bear the AMCA Seal, Canadian Standards Association Certified, and meet the requirements of the National Electric Code.

**CABINET**

Heavy gauge galvanized steel housing, designed as box beams for outstanding structural strength and the ability to span openings to thirty feet without intermediate support. Units have a baked Gray electrostatic polyurethane powder coating. Scrolls have a split housing design, that provides easy access to fans and motors. The scroll is designed to accumulate air and guide it to the discharge outlet for efficient air distribution. Air curtain has an expanded metal intake screen, which allows maximum air flow into the unit. Unit has adjustable air directional vanes with 40° sweep front to back for the most efficient air flow.

**MOTORS & FAN 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 have double extended shaft and direct drive. Heavy duty centrifugal blower wheels with brazed hubs generate a powerful, controlled air flow, while maintaining quiet operation. Each air curtain is fitted with dynamically balanced blower wheels.

\*- For Ampacity Multiply FLA X 1.25

**ELECTRICAL WIRING**

All motor leads are terminated in external watertight junction box (1) per motor.

**GUARANTEE**

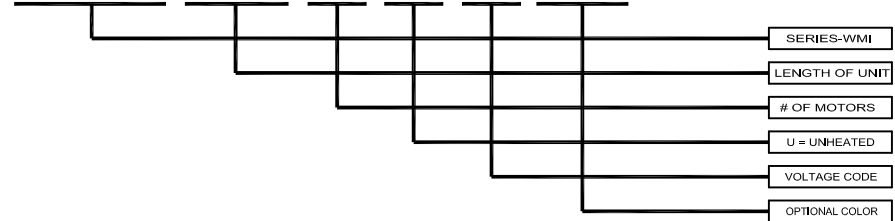
Shall be (18) months on all parts.

**ACCESSORIES**

Refer to the optional features and accessories page.

**EXAMPLE**

**WMI 168-3 U H-TS**



SIZE	VOLTAGE	CODE
48"-192"	208-230/3/60	G
48"-192"	460/3/60	H
48"-192"	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.**

**WMI WIND STOPPING 14 UNHEATED MODELS**