

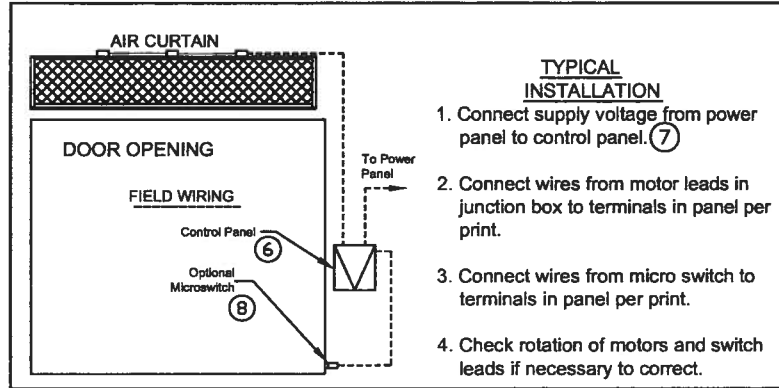
**NOTES:**

- ① This product is designed to comply with National Electrical Code (NEC).
- ② (4) 1/2" dia 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 bronze color, rust preventive 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 ( $\pm 45^\circ$ ) Aluminum airflow shaped vanes.
- ⑥ Optional motor control panel. Overloads are factory preset. Standard procedure is for the control panel to be shipped loose for remote mounting. Control panel can be factory mounted on unit. Specify left or right side.
- ⑦ Circuit Protection as per NEC by others.
- ⑧ Optional micro 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.



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 "A"	UNIT LENGTH "B"	MOUNTING CENTERS "C"
	NO	HP			
IML36	1	1	36"	39"	37 1/2"
IML48	1	1	48"	51"	49 1/2"
IML60	2	1	60"	63"	61 1/2"
IML72	2	1	72"	75"	73 1/2"
IML84	2	1	84"	87"	85 1/2"
IML96	2	1	96"	99"	97 1/2"
IML108	3	1	108"	111"	109 1/2"
IML120	3	1	120"	123"	121 1/2"
IML144	3	1	144"	147"	145 1/2"
The Following Models Are Not Licensed To Bear The AMCA Seal					
IML168	4	1	168"	171"	169 1/2"
IML180	5	1	180"	183"	181 1/2"
IML192	4	1	192"	195"	193 1/2"



- TYPICAL INSTALLATION**
1. Connect supply voltage from power panel to control panel. ⑦
  2. Connect wires from motor leads in junction box to terminals in panel per print.
  3. Connect wires from micro switch to terminals in panel per print.
  4. Check rotation of motors and switch leads if necessary to correct.

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

**MARS**® Air Doors

14716 S. Broadway • Gardena, CA 90248  
 PH.: (310) 532-1555 • FAX.: (310) 324-3030  
 web site: marsair.com • e-mail: info@marsair.com

**IML INSECT CONTROL LIGHT STANDARD MODELS**

MARK	MODEL	QTY	SHIPPING WEIGHT (LBS)	MOTOR FAN DATA												REMARKS		
				MOTOR HP	MOTOR RPM	VOLTS & PHASE	AMPERAGE						Power * Ratings KW	Max FPM @ Discharge	Average * Outlet Velocity FPM		Outlet * Velocity Uniformity %	Max * CFM @ Discharge
							Single Phase		Three Phase									
							115V	230V	208V	230V	460V	575V						
	IML 36		100	1	1725		9	5	3.5	3.2	1.6	1.3	.92	5500	2966	86.6	1622	
	IML 48		125	1	1725		9	5	3.5	3.2	1.6	1.3	1.03	5300	2915	87.4	2186	
	IML 60		150	(2) - 1	1725		18	10	7	6.4	3.2	3.2	1.44	5300	2915	84.4	2728	
	IML 72		200	(2) - 1	1725		18	10	7	6.4	3.2	2.6	1.83	5500	2966	86.6	3337	
	IML 84		225	(2) - 1	1725		18	10	7	6.4	3.2	2.6	1.83	5400	2940	87.4	3797	
	IML 96		250	(2) - 1	1725		18	10	7	6.4	3.2	2.6	2.06	5300	2915	87.4	4373	
	IML108		275	(3) - 1	1725		27	15	10.5	9.6	4.8	3.9	2.80	5500	2966	86.6	5005	
	IML120		300	(3) - 1	1725		27	15	10.5	9.6	4.8	3.9	2.70	5100	2814	83.1	5276	
	IML144		350	(3) - 1	1725		27	15	10.5	9.6	4.8	3.9	3.09	5300	2915	87.4	6559	
The Following Models Are Not Licensed To Bear The AMCA Seal.																		
	IML168		375	(4) - 1	1725		36	20	14	12.8	6.4	5.2	4.12	5400	2940	87.4	7594	
	IML180		425	(5) - 1	1725		45	25	17.5	16	8	6.5	5.15	5500	2966	86.6	8110	
	IML192		450	(4) - 1	1725		36	20	14	12.8	6.4	5.2	4.12	5300	2915	87.4	8744	

\*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: IML-60

Distance from nozzle (inches) = 36      54      84

Centerline Velocity (fpm) = 2054    1433    1172

**EQUIPMENT SPECIFICATIONS - Standard Features**

**GENERAL**

Air curtain shall be a MARS® IML Insect Control Light Duty model.

**APPROVALS**

Air curtain shall be licensed to bear the AMCA Seal 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 Bronze 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 a expanded metal intake screen, which allows maximum air flow into the unit. Unit has adjustable lockable discharge vanes with specially made air foil blades, allows you to adjust the blades ±45° 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. With heavy duty centrifugal blower wheels with brazed hubs generate a powerful, controlled air flow, while maintaining quiet operation. Each air curtain is fitted with statically balanced blower wheels.

An equipment specification can be prepared by combining the standard features at the left with the checked boxes below indicating the selection of optional features.

**OPTIONAL FEATURES**

When checked below, the air curtain will be supplied with the following special features.

**Housing Finish:**

- Heresite Coated
- Stainless Steel

**Control Panel:**

- Mounted Left
- Mounted Right

Door microswitch for automatic on/off control. Turns curtain on when door is opened and off when door is closed. Field installed.

- Plunger Type
- Roller type

**AIR CURTAIN LIMITED WARRANTY**

MARS extends this limited warranty to the original Buyer and warrants that products manufactured by MARS shall be free from original defects in workmanship and materials for two years from day of shipment, provided same has been properly stored, installed, serviced, maintained and operated. MARS will repair or replace, at its discretion, any components which upon inspection, it finds to be defective. This warranty does not cover labor costs or other costs incurred in repairing, removing, installing, servicing or handling of parts or complete units. This warranty shall not apply to products which have been altered or repaired in any way so as, in MARS's judgment, to affect its performance or reliability, or incorrectly used in combination with other substances. The Buyer assumes all risks and liability for results of use of products.

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