

Document No: LP2-IOM

Date: 08/21/20

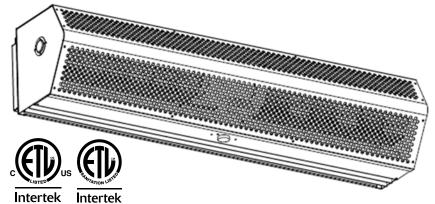
LOW PROFILE (LPV2) VARIABLE SPEED AND LOW PROFILE (LPN2) ETL SANITATION CERTIFIED COMMERCIAL SERIES

Installation, Operation and Maintenance Manual

Please read and save these instructions. Read carefully before attempting to assemble, install, operate, or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with these instructions could result in personal injury and/or property damage. Retain these instructions for future reference.

OVERVIEW

Mars Air Curtains are designed to cover door openings, providing both temperature control/environmental separation and flying insect control, when the building's doors are opened. Typical installation heights



GENERAL SAFETY INFORMATION

Use this product only in the manner intended by the manufacturer. If you have questions, contact the manufacturer. Only qualified personnel should install this product. Installing personnel should have a clear understanding

of these instructions and should be aware of general safety precautions. Improper installation can result in electric shock, possible injury due to coming in contact with moving parts, as well as other potential hazards.

are: LoPro Series; LPV2 (Variable Speed) models (Environmental up to 8'), LPN2 (ETL Sanitation for Customer Entrances) models (Flying Insect Control up to 7') and LPN2-F (ETL Sanitation for Counter Top/Pass Through Windows) models (Flying Insect Control up to 4' from Counter Top) All ETL Sanitation Certified Models should be mounted at the Flying Insect Control heights referenced above. The units are typically wall mounted horizontally above the door opening. They can also be suspended from the ceiling. The units are ETL Listed, Canada and US, for either an inside or outside mount and ETL Sanitation Certified. Heated units must be mounted on the inside or the protected side of the opening. The motors used in all LoPro Series are 1/6HP.

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WARNING

When servicing the product, motor may be hot enough to cause pain or injury. Allow motor to cool before servicing.

The LoPro Series come standard with a stamped air intake screen(s). The LPV2 models can be configured with an aluminum mesh filter(s) as an option. The LPN2 models 25" and all LPN-F models come standard with an aluminum mesh air intake filter(s) in conjunction with the punched air intake screen(s).

WARNING

To reduce the risk of fire, electric shock, or injury to persons, observe the following.

- A. Always disconnect, lock and tag power source before installing or servicing product.
- B. Installation work or electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- C. The combustion airflow needed for safe operation of fuel burning equipment in the area may be affected by the product's operation. Follow the heating equipment manufacturer's guideline and safety standards, such as those published by the National Fire Protection Agency (NFPA), the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) and local code authorities.
- D. When cutting or drilling into a wall or ceiling, be careful not to damage electrical wiring and other hidden utilities.

WARNING

Precaution should be taken in explosive atmospheres.

RECEIVING AND INSPECTION

Upon receiving the product, check to make sure all items including switches are accounted for by referencing the Bill of Lading to ensure all items were received. Inspect each carton for shipping damage before accepting delivery. Notify the freight carrier if any damage is noticed. The carrier will make notification on the delivery receipt acknowledging any damage to the product. All damage should be noted on all copies of the Bill of Lading which is countersigned by the delivering carrier. A Carrier Inspection Report should be filled out by the carrier upon arrival and a report given to the Traffic Department. If damaged upon arrival, file a claim immediately with the carrier. Any physical damage to the unit after acceptance is not the responsibility of Mars Air Systems.

UNPACKING

Verify that all parts, components and accessories, and the correct quantities of each have been received. If any items are missing, report shortages to Mars Air Systems directly to arrange for obtaining the missing items. Again, verify quantities received against those on the Bill of Lading only, as multiple shipments may be involved.

INSTALLATION

Typical Mounting – Wall or Ceiling Mounted Horizontally Above the Door Opening

- Remove the air intake grille(s) and/or air intake filter(s) from the product and set aside. Gently remove all packaging materials, hardware, and all other accessories from interior of unit prior to operating. Severe unit damage will occur if these items are not removed prior to operation.
- Lay unit on its top with directional vanes pointing up and remove the Tek Screws from the wall mounting plate, just behind the discharge nozzle, and remove the mounting plate from the unit. (FIG. 1) Measure the mounting plate and center it over the opening. The air curtain shall be equal to or greater than the width of the opening.
- Install the mounting plate(s) above the opening. Multiple pre-punched 7/16" mounting holes are provided for your convenience. These holes must be utilized to secure the product to the wall. All hardware is field provided by others.
- 4. Align the tabs on the rear of the unit with the slots provided on the wall mounting plate (FIG. 2). The bottom flange on the unit must also drop in the bottom channel of the wall mounting plate. Replace the Tek Screws to secure the unit in place.

Note: If the holes provided on the bottom of the unit and the bottom of the wall mounting plate do not align, remove the unit and re-install. The holes on the bottom channel of the wall mounted plate must be on the bottom.

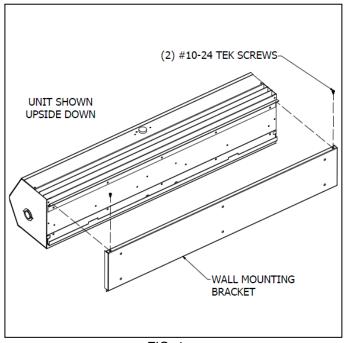


FIG. 1

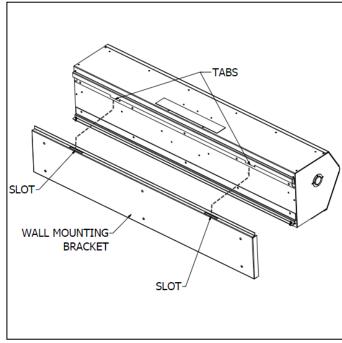


FIG. 2

5. Mount the product such that the discharge is 1" above the opening and all obstacles. (FIG. 3)

Note: If the product is installed higher than the recommended 1" above the opening, then it must be moved 3/8" away from the wall for every 1" that it is moved up. Any void between the wall and the product must be sealed, by others, to optimize performance.

6. Use four (4) threaded rods for overhead installation or four (4) threaded bolts for wall installation. All hardware is field provided by others. (FIG. 3)

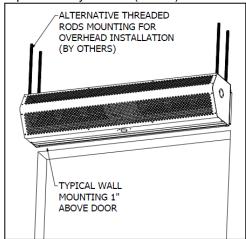


FIG. 3

- 7. If applicable, optional Adjustable Mounting Brackets, Side Extension Plates and Extended Wall Mounted Brackets are also available for installations over a Vertical Lift or Drum Roll-up type door. (Reference Accessory Installation Supplement)
- 8. If applicable, for tandem installation or products mounted side by side, allow no more than 6" between the two products. For overhead installation using threaded rods, the products may require a beam, by others, to span the full distance of the mounting length. (Reference **Accessory Installation Supplement**)
- 9. All wires must be connected internal of the unit and some knockouts are provided. However, it may be necessary to create your own knockout, as required.
- 10. The unit must be wired per NEC and local codes.

Electrical Field Wiring

The unit and any optional accessories must be wired with the proper voltage to the junction box per the wiring diagram. (FIG. 4, unheated products only)

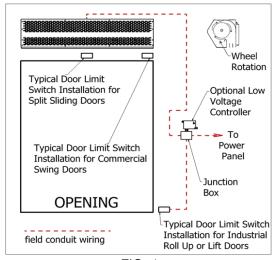


FIG. 4

NOTE

For accessory installation, reference Accessory Installation Supplement.

For heated products, reference Heated Products Supplement.

START-UP

This product has been assembled and tested at the factory prior to shipping. The following procedures should be performed to assure its performance. Before continuing with the start-up, it is important to recognize the safety controls furnished with the unit.

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WARNING

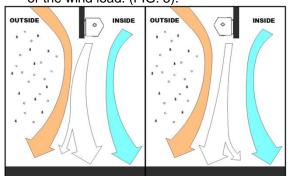
Prevent hazard of electrical shock. More than one disconnect switch may be required to de-energize this product.

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WARNING

The following items must all be completed by a qualified installer and checked off when completed

- A. Re-check that the product has been installed properly and is level and secure.
- B. Check all terminal screws are tight and field wiring is connected in accordance to National Electrical Code and wired per the enclosed wiring diagram. For electric heated models, ensure that the coils are secured and not touching each other on any metal surface.
- C. Verify proper voltage prior to powering the product. (See product label for reference).
- D. Check all field wired components "if supplied" are wired correctly.
- E. Check that the inlet air supply and the discharge air supply are free of obstructions.
- F. Check that all air filter(s) and/or air intake grille(s) are in place and installed properly, as originally shipped.
- G. Verify voltage to the product once more and turn power on.
- H. Regardless of whether the product is mounted on the inside or outside of the door opening, set the air directional vanes in the discharge nozzle slightly outward to approximately 10-15° towards the outside, or the wind load. (FIG. 5).



- For products with control panels, turn the HOA (Hand-On-Auto) selector switch to "On" position and open the door to energize the product. For products without a control panel or an On/Off switch, open the door to energize the product.
- J. If heated products are installed, reference **Heated Products Supplement**.
- K. For three phase units, verify direction of rotation of blower wheels (note direction arrows on the blower wheel housing). Correct if needed by changing polarity of three phase power.
- L. **VERY IMPORTANT** Using a clamp meter, measure the amperage to each motor and ensure that they do not exceed the amperage listed on the product label.
- M. If applicable, adjust the air intake grille(s) such that the output air stream reaches the floor. For temperature control and environmental separation applications, the air stream should reach the floor with sufficient strength to create an air seal around the door opening without creating turbulent mixing of the inside and outside air. For flying insect control applications, the air stream should reach the floor with maximum strength. If after proper installation and adjustment, the product appears to be producing too little or too much air for the application, contact the manufacturer.

MAINTENANCE

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WARNING

To reduce the risk of fire, electrical shock, or injury to persons, observe the following:

- A. Maintenance is to be performed only by qualified personnel who are familiar with local codes and regulations and are experienced with this type of product.
- B. Before servicing or cleaning the product switch power off at service panel and lock service panel to prevent power from being switched "ON" accidentally.

Routine maintenance is required to keep this product operating at its peak performance and efficiency. Over time, the housing, air intake grille, air intake filter, blower wheels and motor(s) will accumulate a build up of dust, debris and other residue. It is imperative to keep these components clean. Failure to do so will not only lower operational efficiency and performance, but also reduce the useful life of the product. The time between cleanings depends on the application, location, and daily hours of use. On average, under normal use conditions, the product should require a thorough cleaning once every six (6) months.

To clean the product, perform the following:

- 1. Verify the product has been disconnected from the power source.
- 2. Use a damp cloth and either a warm mild soapy water solution or bio-degradable degreaser, to wipe down the exterior components of the housing.

- To access the interior of the product, remove the air intake grille(s) and/or air intake filter(s). This is accomplished by removing the screws on the face of the air intake grille(s)/filter(s).
- 4. Thoroughly clean the air intake grille(s)/filter(s).
- 5. Thoroughly wipe down the motor, blower wheels and blower wheel housings. Be careful not to spray the motor with a water hose.
- 6. The motor(s) require no additional lubrication. They are permanently lubricated and feature double sealed ball bearings.
- 7. To re-install the product, reverse the procedures above.
- 8. Reconnect the power source to the product.
- 9. If you have any questions regarding the maintenance of the product, contact the manufacturer.

SPECIAL APPLICATIONS

Outdoor Installation

For outdoor unit special consideration may be required for enclosure and other components to minimize damage caused by exposure to the outdoor elements. Contact factory for special construction and costing.

Freezer and Cooler Installation

Air curtain must be mounted on the warm side for optimal performance. LPV2 series with variable speed switch is strongly recommended to control the air curtain air flow velocity at the floor level.

High humid areas may require de-humidifier or additional defrost cycle to minimize condensation and freezing for freezer applications. We recommend the air curtain unit to not replace doors but work in conjunction with door opening sequence cycle. Contact factory for details.

CAUTION

The appliance is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children are not to play with the appliance.

DISCLAIMER

Mars 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.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
NO AIR BLOWING OUT OF DISCHARGE	No power being supplied to the unit from the electrical power source	- Confirm power source / check if in on position
NOZZLE	-Circuit breaker is tripped - Blown fuses on power supply	- Reset circuit breaker - Replace fuses
	- Motor overload is open or tripped	Allow the motor to cool down; motor has auto reset internal overload; if unit is panel equipped, press reset button on overload inside panel, or replace motor overload if overload remains tripped
	Motor contactor / relay defective (if applicable)Failed switch	- Check voltage to coil; check contacts to see if they are pulling in - Replace or repair limit switch
MOTOR IS RUNNING BUT FANS ARE NOT SPINNING	- Loose or broken coupling (belt drive)	- Replace or tighten coupling
	Loose set screws on wheel hubsFan spinning inside fan housingBroken fan hub	- Tighten set screws on motor shaft flats - Tighten fan on shaft or replace fan - Replace fan wheels
ELECTRICAL CONTROLS NOT WORKING WHEN DOOR IS OPEN	- Switch is in off position	- Turn unit's switch to the on position
	- Door limit switch is not operating	- Repair or replace door limit switch
UNIT WILL NOT TURN OFF	 Door limit switch is permanently closed or energized 	 Position the door switch in a manner that turns off the unit when the door closes and turns on the unit when the door opens. Only light pressure required.
LOW AIR FLOW	Discharge air vanes out of adjustmentObstruction on intake or discharge	- Adjust vanes to proper position (Refer to Start-Up Section in this manual) - Remove obstruction or move air curtain
	- Power leads out of polarity	- Switch power leads to correct polarity (3 phase models only)
	 Blower motor rotating below normal speed 	 Apply proper voltage per unit requirement (see unit label) / Adjust adjustable motor speed knob (if applicable)
	Fan rubbing against housingBlower wheels clogged with dirt	Free fan from housingClean and remove dirt from blower wheels
EXCESSIVE AIR VELOCITY AT DOOR OPENING	 Nozzle out of adjustment and not angled far out enough (BD only) 	- Adjust nozzle angle to outside
	- Air temperature too cold	- Add auxiliary heat to overcome wind chill
	 Air stream pushing air outside of the building 	- Adjust discharge angle back into building
AIR NOT HITTING THE FLOOR	- Low air velocity	 Adjust vanes to proper position or check installation height (Refer to Start-Up Section in this manual)
	- Obstruction in the direction of air flow	- Remove obstruction or move air curtain (Move out 3/8" for every 1" up from the door)
	- Negative building pressure	Provide a make-up air system to relieve negative building pressure
UNEVEN AIR	Shaft rotating inside fanOne motor not functioning	Replace fan or tighten fan on shaft Replace or repair motor
EXCESSIVE NOISE AND OR VIBRATION	- Loose or broken coupling (belt drive)	- Replace or tighten coupling
	- Loose set screws on wheel hubs	- Tighten set screws on motor shaft flats
	 Fan spinning inside fan housing Broken fan hub 	- Tighten fan on shaft or replace fan - Replace fan wheels
	- Bloken fair hub - Bearing end caps worn	- Replace Bearing end caps
	- Damaged blower wheel	- Replace Blower Wheel
	Bearing end caps wornBalancing clips missing	- Replace Bearing end caps - Replace Blower Wheel

TROUBLESHOOTING MOTOR

To determine if the motor is in good operating condition, compare measured motor resistance at the motor terminals to the values shown below.

MOTOR WIRES OR TERMINAL (T) OHM READINGS High SPEED (1550) LOW SPEED (1450) A COUNTRY Co	MARS MOTOR RESTANCE READINGS											
Applicable And Curtain A												
Applicable Applic									MOTOR WIRES OR TERMINAL (T) OHM READINGS			
Applicable Amount								HIGH SPEED (1750)	MEDIUM SPEED (1650)	LOW SPEED (1450)		
1972, 1972	Air Curtain	Mars Part #			, ,	НР	Voltage	Phase		-	-	
	Jenes	03-001	7190-1682	Fasco	Nema 1	1/6	115	1	11.5	-	-	
Color	10//2 10//2	03-002	7190-1903	Fasco	Nema 1	1/6	115	1	8.4	-	-	
Reprincipation Repr	LFVZ, LFINZ	03-003	7190-1825	Fasco	Nema 1	1/6	230	1	64	-	-	
Air Cuttain Mars Part Munificationer Part Search		03-004	7190-1904	Fasco	Nema 1	1/6	230	1		-		
GS 010 365028169 Baldor Walndown (P56) 3/2 208/230 1	Air Curtain	Mars Part #	Manufacturer Part #	Brand	Motor Rating	НР	Voltage	Phase	&	&		
STOZ.NZ. Genteq Nema1 1/2 2115 1 2.6 3.8 5.2		03-010	34G928X169	Baldor	Washdown (IP54)	1/2	115	1	1.2	-	-	
STOZ, NZ, PRID, OP DR DR DR DR DR DR DR D		03-010	34G928X169	Baldor	Washdown (IP54)	1/2	208/230	1	4.6	-	-	
PHID_QPID_				•								
100 100				•								
Applicable AF AF AF AF AF AF AF A	PH10, QP10											
Applicable Air Curtain Mars Part # Manufacturer Part # Brand Motor Rating HP Voltage Phase Black Motor Wire (T1) All Black Motor Wire (T2) Black Motor Wire (T3) All												
Applicable App			KU55PWIVI1/36C13H									
Air Curtain Series Serie	Applicable	03-000		- 03	IVEIIIa 1	1/2	200/230	1			24.2	
No. Color Salidor	Air Curtain	Mars Part #	Manufacturer Part #	Brand	Motor Rating	НР	Voltage	Phase	&	&	-	
HVZ, NHZ, PH12		03-021	35T276R025G1	Baldor	Washdown (IP54)	1	115	1	0.7	-	-	
No.			35M316S174	Baldor	Nema 1					-	-	
HVZ, NHZ PHI2 PHI										-	-	
PH12	HV2, NH2,						·					
03-015 -	PH12											
03-014			7124-1096									
Applicable Air Curtain Series Mars Part # Manufacturer Part # Brand Motor Rating HP Voltage Phase Motor Wire (L1) & Motor Wire (L2) & White Motor Wire (L3)			K55RWIZB-2362									
Applicable Air Curtain Series Mars Part # Manufacturer Part # Brand Motor Rating HP Voltage Phase Black Motor Wire (L1) & Black Motor Wire (L1) & White Motor Wire (L2) & White Motor Wire (L3) & Wh											-	
Applicable Air Curtain Series Mars Part # Manufacturer Part # Brand Motor Rating HP Voltage Phase Elack Motor Wire (L1) & Red Motor Wire (L2) & White Motor						Three	,	lotors				
Applicable Air Curtain Series Mars Part # Manufacturer Part # Brand Motor Rating HP Voltage Phase Black Motor Wire (L1) & Red Motor Wire (L2) & White Motor Wire (L2) & Whit			Manufacturer Part #	Brand	Motor Rating			101013	LEAD WIRE OHM READINGS			
Series S		Mars Part #						Phase			Red Motor Wire (L2)	
STD2, N2, PH10, QP10 O3-008 P55YYDHB-1527 US Nema 1 1/2 208-230 3 16.1 16												
STD2, N2, PH10, QP10 03-008 P55YYDHB-1527 US Nema 1 1/2 460 3 63.6		03-008	P55YYDHR-1527	US	Nema 1	1/2	208-230	3			` '	
Nemator 1/2												
HV2, NH2, PH12 O3-017 S6T17T5541 Marathon Nema 1 1 460 3 16.5 16.5 16.5 16.5	PH10, QP10	03-009	48T17T135	Marathon	Nema 1	1/2	575	3	136	136	136	
HV2, NH2, PH12 03-018 56T17T5544 Marathon Nema 1 1 575 3 26.6		03-017	56T17T5541	Marathon	Nema 1	1	208-230	3	4.3	4.3	4.3	
PH12 03-022		03-017	56T17T5541	Marathon	Nema 1	1	460	3	16.5	16.5	16.5	
03-022 35N127S902 Baldor Washdown (IP54) 1 208-230 3 5.1 5.1 5.1 5.1		03-018	56T17T5544	Marathon	Nema 1	1	575	3	26.6	26.6	26.6	
EP2 03-026 165716 Century Nema 1 3 208-230 3 1.5 1.5 1.5 03-026 165716 Century Nema 1 3 460 3 5.7 5.7 5.7 03-028 35E92Y26 Baldor Nema 1 3 575 3 9.2 9.2 9.2 WMI 03-110 36H110-2211G1 Baldor Nema 1 1,2,3 208-230 3 3.5 3.5 3.5 03-110 36H110-2211G1 Baldor Nema 1 1,2,3 460 3 13.5 13.5 13.5 WMH 03-055 37F932W828G1 Baldor Nema 1 5 230 3 0.7 0.7 0.7 WMH 03-046 37F992W828G1 Baldor Nema 1 7 230 3 0.6 0.6 0.6 03-046 37F999X889G1 Baldor Nema 1 7 460 3 1.6 1.6 1.6		03-022	35N127S902	Baldor	Washdown (IP54)	1	208-230	3	5.1	5.1	5.1	
EP2 03-026 165716 Century Nema 1 3 460 3 5.7 5.7 5.7 03-028 35E92Y26 Baldor Nema 1 3 575 3 9.2 9.2 9.2 WMI 03-110 36H110-2211G1 Baldor Nema 1 1,2,3 208-230 3 3.5 3.5 3.5 03-110 36H110-2211G1 Baldor Nema 1 1,2,3 460 3 13.5 13.5 13.5 WMH 03-055 37F932W828G1 Baldor Nema 1 5 230 3 0.7 0.7 0.7 03-055 37F932W828G1 Baldor Nema 1 5 460 3 2.4 2.4 2.4 03-046 37F909X889G1 Baldor Nema 1 7 230 3 0.6 0.6 0.6 03-034 03-046 37F909X889G1 Baldor Nema 1 7 460 3 1.6 1.6		03-022	35N127S902	Baldor	Washdown (IP54)	1	460	3	19.8	19.8	19.8	
03-028 35E92Y26 Baldor Nema 1 3 575 3 9.2 9.2 9.2												
WMI 03-110 36H110-2211G1 Baldor Nema 1 1,2,3 208-230 3 3.5				•								
WMI 03-110 36H110-2211G1 Baldor Nema 1 1,2,3 460 3 13.5 13.5 13.5 WMH 03-055 37F932W828G1 Baldor Nema 1 5 230 3 0.7 0.7 0.7 03-055 37F932W828G1 Baldor Nema 1 5 460 3 2.4 2.4 2.4 03-046 37F909X889G1 Baldor Nema 1 7 230 3 0.6 0.6 0.6 03-046 37F909X889G1 Baldor Nema 1 7 460 3 1.6 1.6 1.6 03-033 U639A - 215TTFC6027 Marathon Nema 1 10 208-230 3 0.4 0.4 0.4												
WMH 03-055 37F932W828G1 Baldor Nema1 5 230 3 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7												
WMH 03-055 37F932W828G1 Baldor Nema1 5 460 3 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4												
WMH 03-046	WMH											
03-046 37F909X889G1 Baldor Nema 1 7 460 3 1.6 1.6 1.6 03-033 U639A - 215TTFC6027 Marathon Nema 1 10 208-230 3 0.4 0.4 0.4												
03-033 U639A - 215TTFC6027 Marathon Nema 1 10 208-230 3 0.4 0.4 0.4 0.4												
BD 03-033 U639A - 215TTFC6027 Marathon Nema 1 10 460 3 1.2 1.2 1.2	BD											
		03-033	U639A - 215TTFC6027	Marathon	Nema 1	10	460	3	1.2	1.2	1.2	
03-074 GT1128A 170118.60 Marathon Nema 1 25 575 3 0.5 0.5 0.5		03-074	GT1128A 170118.60	Marathon	Nema 1	25	575	3	0.5	0.5	0.5	

WARRANTY

Mars' warranty coverage, period, extent, and limitations apply to the product only. It does not apply to labor. Mars warrants that Mars product 1) Is free from defects in materials and workmanship and 2) Conforms to Mars' published specifications. The warranty period for Mars product except heated and custom models, is a five (5) year period commencing on its date of shipment. The date on customer's invoice is the date of shipment unless Mars or your reseller informs you and Mars otherwise. For heated products, the warranty period is an eighteen (18) month period and for custom products and accessories, the warranty period is twelve (12) months period commencing the date of shipment. Mars will provide free replacement of any part that fails as a result of a defect in material or manufacturer's workmanship. Changes operational specification parameters that different from those provided on the original purchase order are not covered. Mars product is inspected and tested before packaging and is shipped in working condition. The warranty for Mars product only covers free-of-charge replacement of failed parts. The warranty does not cover labor and transportation expenses that may be required to provide and to install replacement parts. Because in many instances, it is impossible to determine the cause of failure, customer may be responsible for transportation charges associated with replacement of failed part. Mars does not warrant uninterrupted or error-free operation of Mars product. Under no circumstance is Mars liable for any of the following: 1) Third-party claims against you for damages; or 2) Special, incidental, or indirect damages or for any economic consequential damages (including lost profits and savings), even if Mars, its suppliers, or its reseller is informed of their possibility. The warranty does not cover repair or exchange of Mars product resulting from misuse, accident, modification, unsuitable physical or operating environment, improper maintenance and installation by customer, or failure caused by a product for which Mars is not responsible. The warranty does not cover damages caused by mishandling during transportation. The warranty is voided by removal or alteration of Mars product or parts identification labels, by improper installation of product, and resulting non-compliance to federal, state, and local codes and regulations. Additionally, Mars reserves the right to void the warranty for non-payment of invoice.

CONTACT FACTORY FOR COMPLETE PARTS LIST FOR ALL MODELS.

KEEP THIS MANUAL FOR YOUR RECORDS.

Model Number:	
Serial Number:	
Date Purchased:	
Dealer Purchased From:	



atmosphere is everything

14716 S. Broadway St., Gardena, CA 90248 (310) 532–1555 ● (800) 421-1266 Fax: (310) 324-3030

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