



AIR CURTAIN USER'S MANUAL

Models:
MASF036-N1, MASF048-N1, MASF060-N1
(2 Speed, with Micro-Switch)



MASF036-N1
MASF048-N1
MASF060-N1



STOP, READ, AND TEST BEFORE INSTALLATION

1. Before plugging in power cord into power source, use a screw driver to rotate fan blades with caution.
2. Ensure that fan blades rotate smoothly, if not remove the front cover screws to open the front cover of air curtain.
3. Re-align the fan blade bearings with motor to fix this issue. Once again, rotate fan blade to ensure it is rotating smoothly before screwing the front cover back to the air curtain.
4. Now you are ready to plug in 110V-120V power source; press and test both Hi and Lo speeds.
5. Now that all testing procedures have been cleared and met, refer to section 2 and commence the installation.



FIRE, ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury, death and/or property damage.

The ability to properly perform maintenance on this equipment requires certain knowledge, mechanical skills, tools, and equipment. If you do not possess these, do not attempt to perform any maintenance on this equipment other than those procedures recommended in the User's Manual

CAUTIONS

- a) Use the unit at the rated voltage and frequency indicated on the nameplate.
- b) Disconnect power source before unit operation.
- c) Routing maintenance must be done every year.
- d) Never use petrol, benzene, thinner or any other such chemical for cleaning the unit.
- e) Do not allow water or any liquid to enter motor.
- f) When power supply comes from socket, the plug must accord with IEC335-1. When the power cord is connected with charging line directly, all polarity switches that the contact gap is 3mm at least must be installed in the charging line.

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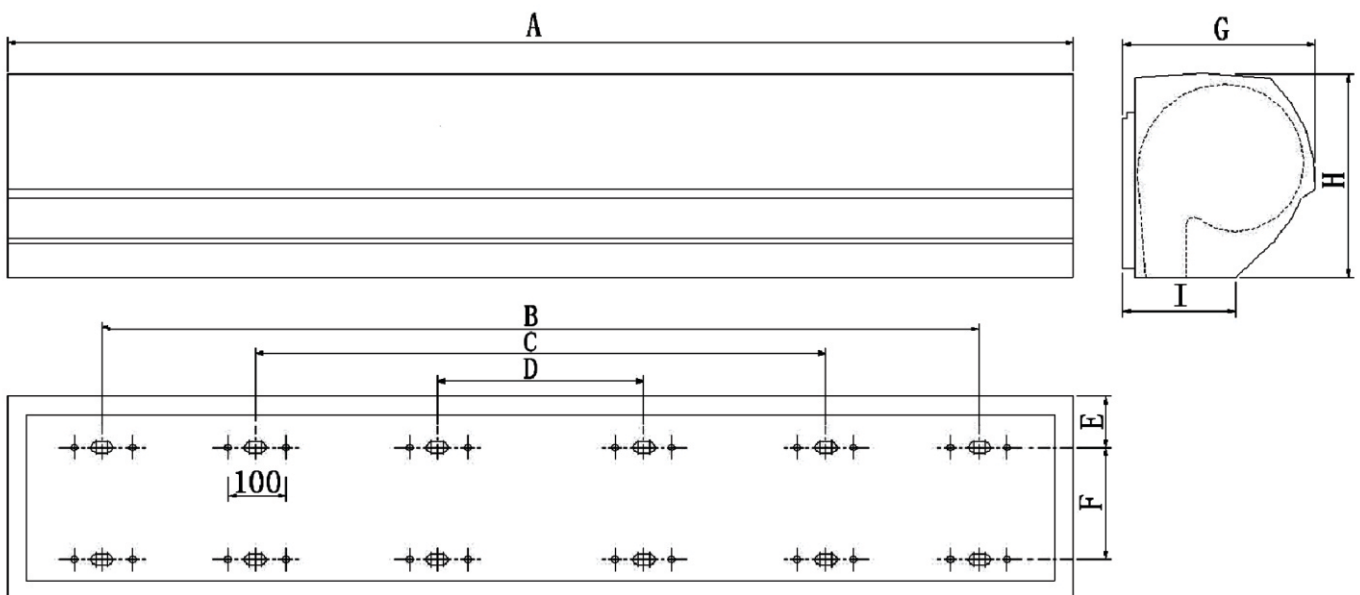
1. Product Introduction
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1 PRODUCT INTRODUCTION

Create an invisible barrier over your door with Maxwell MASF series. Adopting the highest technology in aerodynamics, all Maxwell Air Curtains run smoothly with low noise. MASF Series Air Curtain by Maxwell boasts a streamlined modern appearance with no visible exterior screws. Features stainless cover constructed of durable aluminum as attached mounting plate. They are ideal for any location where you would like to create an invisible barrier to dust, insects, and pollution. The powerful airflow divides the inside and outside environments into two independent temperature zones. This minimizes air conditioned/heated air losses through opened doorways and areas with doors that are constantly opening and closing. Easy to adjust with directional air-flow louver and convenient two-speed hi-lo fan operation controlled by a unit surface mount switch. The air curtain uses ambient air and is NOT an air conditioner.

Includes: 36" air curtain, door switch, installation hardware, 5 ft. power cord with grounded NEMA 5-15 plug, user's manual, installation manual, manufacturer warranty.

2 IDENTIFICATION & INSTALLATION DIMENSIONS



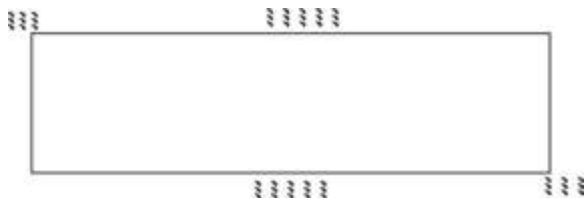
Units: in

MODEL	A	B	C	D	E	F	G	H	I
MASF036-N1	35.4	27.4	---	---	1.8	3.9	8.5	9.1	4.8
MASF048-N1	47.2	39	11.6	---					
MASF060-N1	59	50.6	19.8	---					

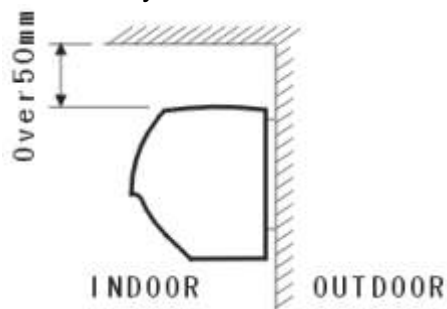
3 INSTALLATION CAUTION

Must follow the following procedures when installing air curtain:

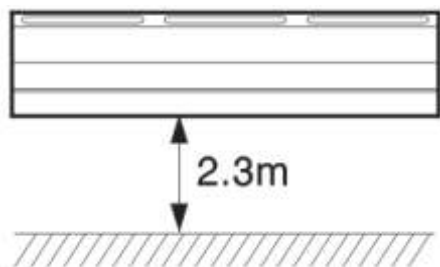
3.1 Please install air curtain in a sturdy and secure place to avoid instability that can cause injury and damage to your air curtain unit.



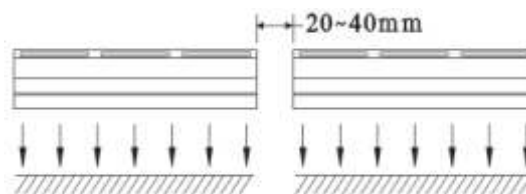
3.2 Please install the unit inside and not outdoors, for best efficiency.



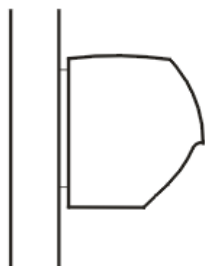
3.3 Install air curtain unit between 7 to 9 ft. from the ground.



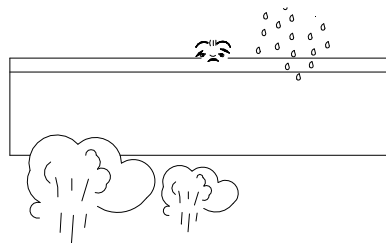
3.4 When the entrance is wider than the unit, it is recommended to install two or more units in parallel. In this case, provide 20-40mm gaps between the units.



3.5 Don't allow gaps between the air curtain unit and wall. Use aluminum wall bracket attached to the back of the air curtain unit for a secure installation.



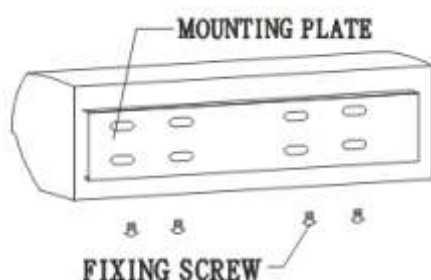
3.6 Do not install the air curtain unit in a location where it is exposed to water, excessive steam, explosive gas, or corrosive gas. To ensure durability.



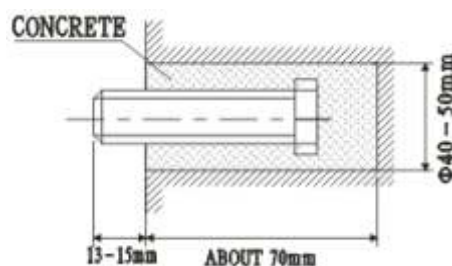
4 INSTALLATION

A) Installing on A concrete wall:

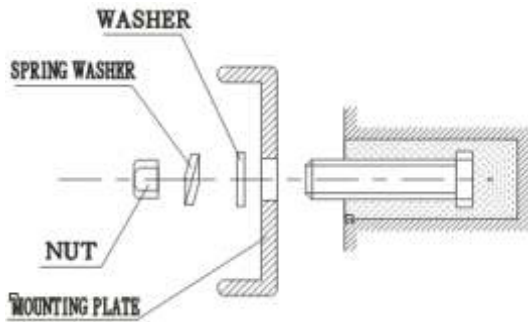
4.1.1 Remove the attached mounting plate by removing the fixed screws on the back of the main body.



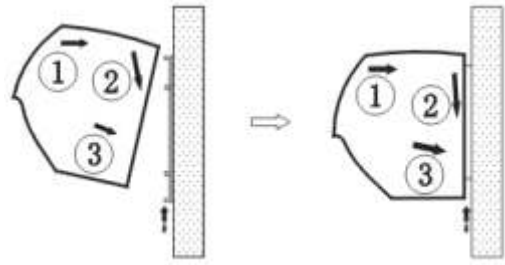
4.1.2 Determine the mounting location with the mounting plate. Drill holes and insert a Zinc-Plated Steel Hex-Nut Head Sleeve Anchor (not included).



4.1.3 Tighten the nuts to secure the mounting plate to the wall after cement setting (use washers and nuts) see figure.

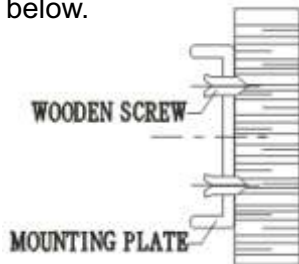


4.1.4 Hang the main body onto the end of the mounting plate, and then tighten the bottom fixing screws back to the mounting plate.

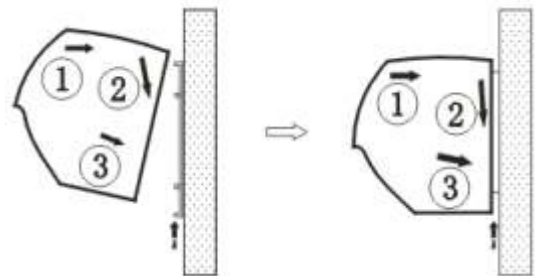


B Installing on a wooden wall: (Note: make sure the screws are secured in the wood, attach an extra wood frame to the wall if needed for safety purposes.)

4.2.1 Remove the attached mounting plate by removing the fixed screws on the back of the main body to determine the precise mounting location. Securely mount the mounting plate to the wooden wall with tapping screws. See figure below.



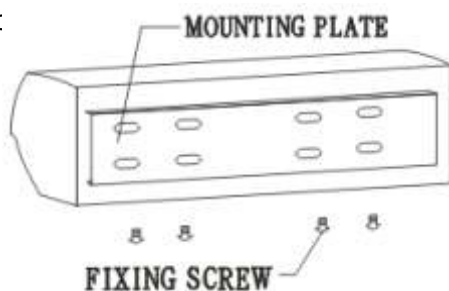
4.2.2 Hang the main body onto the upper end of the mounting plate, and then tie the bottom fixing screws back to the mounting plate.



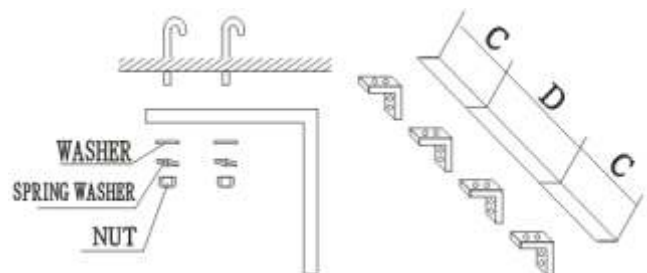
C) Installing from the ceiling:

(Note: this installation is NOT recommended; the ceiling brackets are not supplied)

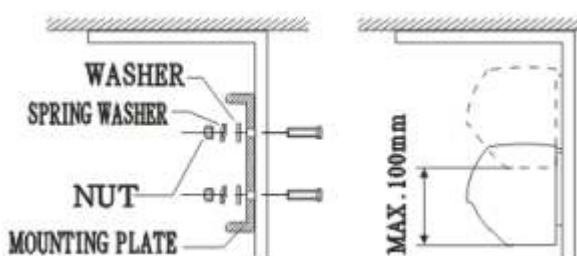
4.3.1 Remove the attached mounting plate by removing the fixed screws on the back of the main t



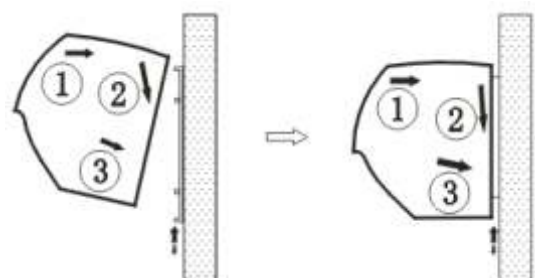
4.3.2 Securely mount the ceiling brackets (not included) see figure below.



4.3.3 Set mounting plate to the ceiling brackets and tighten securely. The position of the mounting plate can be adjusted in a vertical direction according to the application needed. Max distance 100 mm.

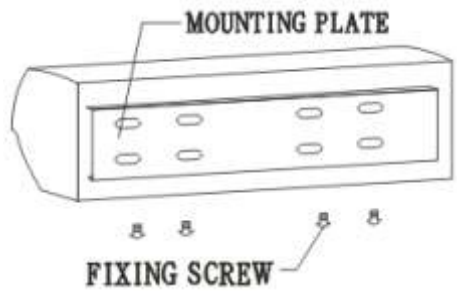


4.3.4 Do the same as step A to install the main body.

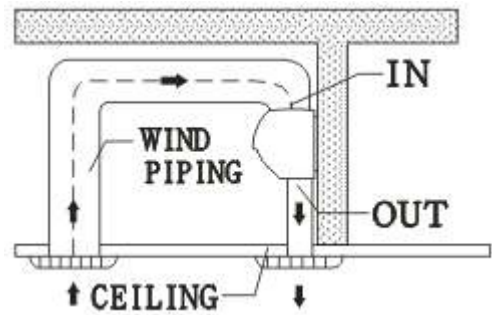


D For above ceiling

4.4.1 Fix the air curtain as in the procedure for installing on the concrete wall.



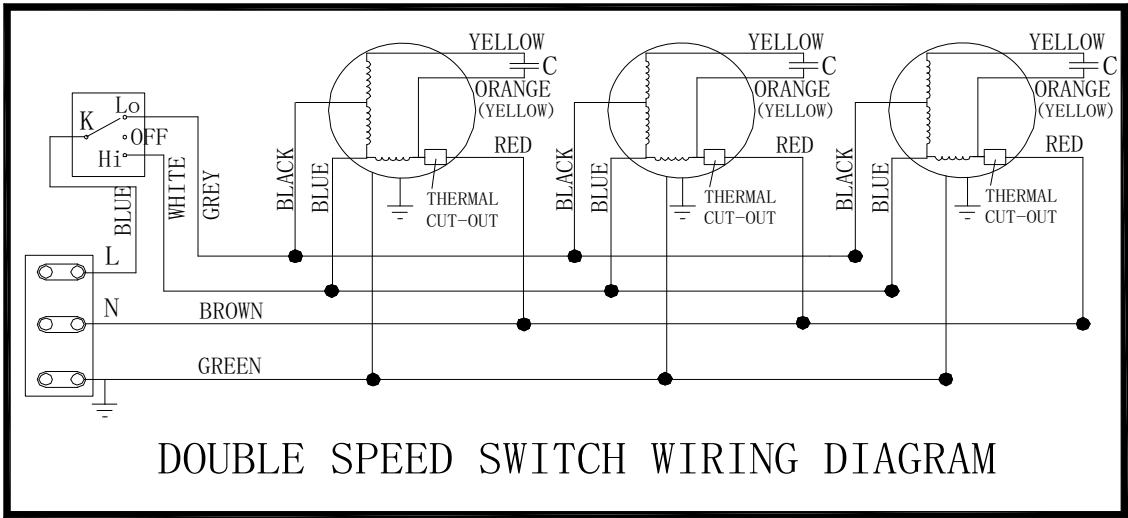
4.4.2 Then pipe as below Fig. Instru.



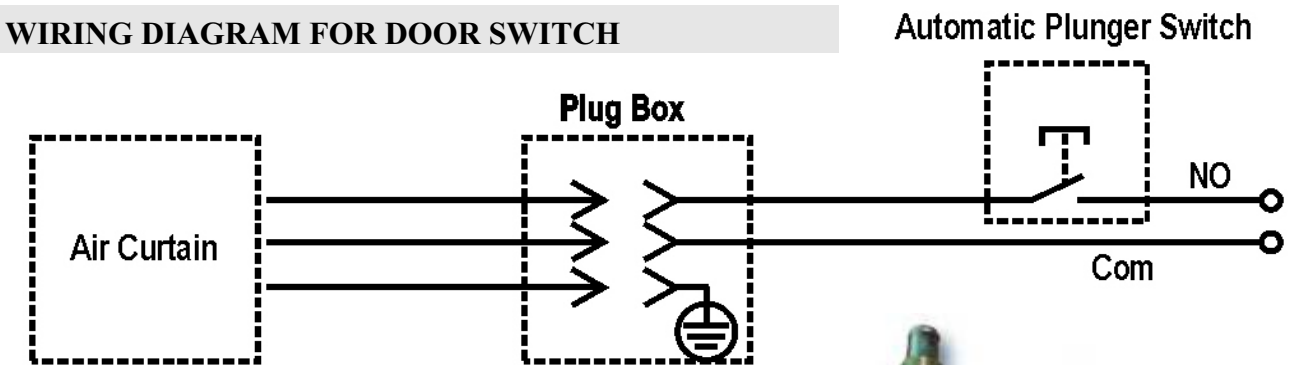
5 TECHNICAL PARAMETER

MODEL	Volt. (V~)	Freq (Hz)	Max input power (W)		Max air speed (ft/s)		Air volume (cfm)		Noise (dB)		Net weight (LBS)
			H	L	H	L	H	L	H	L	
MASF036-N1	110	60	230	200	52.5	42.7	647	530	52	49	28.7
MASF048-N1			290	260			883	707	53	50	34.2
MASF060-N1			380	350			1120	883	55	52	44

6 2 SPEED SWITCH WIRING DIAGRAM



7 WIRING DIAGRAM FOR DOOR SWITCH



Optional door switch & weather proof cover
Save energy & eliminate unnecessary air circulation

COM – common
NO – normally open
NC – normally close



8 OPERATION

8.1: After connecting to power, (110v, 60Hz) press switch to either [L] for – Low Speed, or [H] for – Hi Speed. Depending on location and application needed.

8.2: Depending on the location of installation, adjust the air louvers to about 10 to 15 degrees to obtain optimum efficiency.

9 MAINTENANCE & CLEANING

- 9.1. Use the unit at the rated voltage and frequency indicated on the rating label.
- 9.2. ALWAYS disconnect power source before unit installation or maintenance service.
- 9.3. Routine maintenance must be done every year.
- 9.4. Plastic parts should be cleaned with mild soap water, thoroughly remove soap film with a clean damp cloth.
- 9.5. Wipe the exterior surfaces of the fan with a moistened cloth with a solution of mild detergent and water.
- 9.6. Dry the case with a soft dry cloth before operating the unit

10 SUPPORT AND CONTACT

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