Mar del Sur

Cortina de Aire

(Cross Flow)

Kendal

Manual Instalación
y Usuario

NOTE:

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.

1. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
2.This appliance is not intended for use 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 concerning use of the appliance by a person responsible for their safety.
3. Children should be supervised to ensure that they do not play with the appliance.
4. The method of fixing is not to depend on the use of adhesives since they are not considered to be a reliable fixing means.
5. Ensure that the fan is switched off from the supply mains before removing the guard.
6. The fan is to be installed so that the blades are more than 2,3 m above the floor.
7. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

OVERVIEW

Our company air curtain are designed to cover door openings, providing both temperature control/environmental separation and flying insect control when the building's doors are opened. Installation heights are up to 3 meters high. The units are typically wall mounted horizontally above the door opening. They can also be suspended from the ceiling.

INSTALLATION

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.
D. When cutting or drilling into a wall or ceiling, be careful not to damage electrical wiring and other hidden utilities.

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

1. 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.

2. Lay unit on its top with directional vanes pointing up and remove the tightening screws from the wall mounting plate, just behind the discharge nozzle, and remove the mounting plate from the unit. (PIC 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.

3. Install the mounting plate above the opening. (PIC2)

4. Align the tabs on the rear of the unit with the slots provided on the wall mounting plate. The bottom flange on the unit must also drop in the bottom channel of the wall mounting plate. Replace the tightening screws to secure the unit in place.(PIC3)

5. Mount the product such that the discharge is 3CM above the opening and all obstacles.

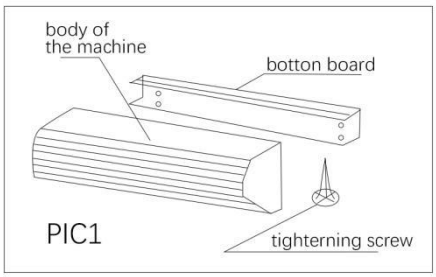
6. If applicable, optional Adjustable Mounting Brackets, Side Extension Plates and Extended Wall Mounted Brackets are also available for installations over a Vertical Lift or Drum Roll-up type door.

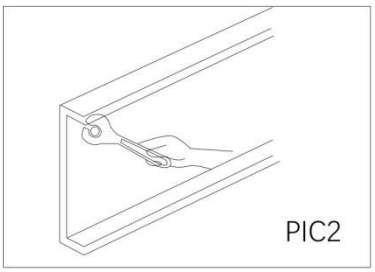
7. If applicable, for tandem installation or products mounted side by side, allow no more than 15cm between the two products.

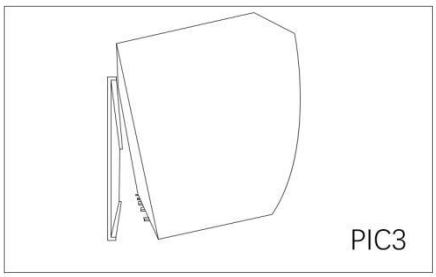
8. All wires must be connected internal of the unit and some knockouts are provided. However, it may be necessary to create your own knockout, as required.

9. The unit and any optional accessories must be wired with the proper voltage to the junction box per the wiring diagram.(PIC3-1,PIC3-2,PIC3-3)

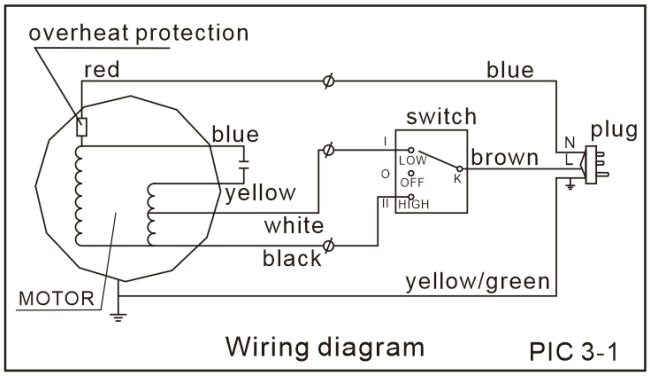
10. If magnet switch is needed, please hide the wire in the wall or cover the tube,make sure it is not exposed.

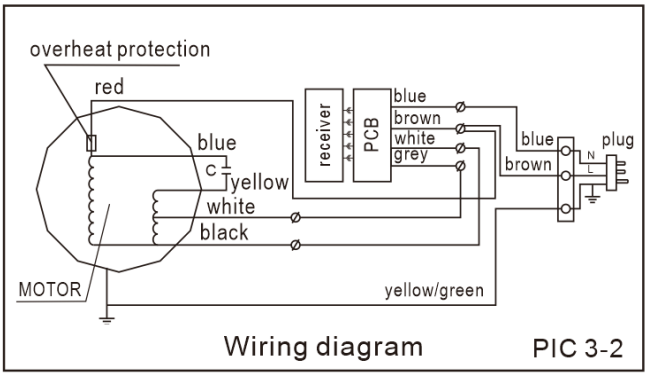




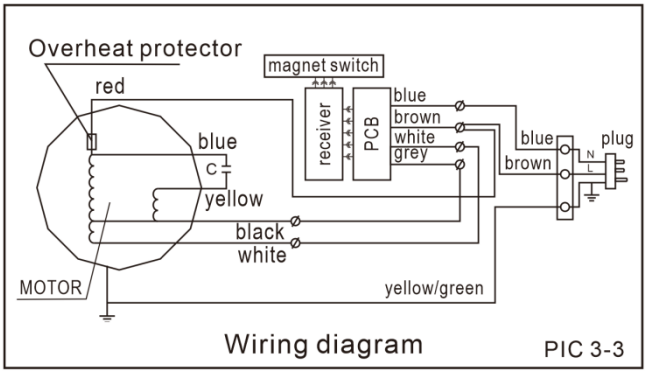


With Switch **with remote control**



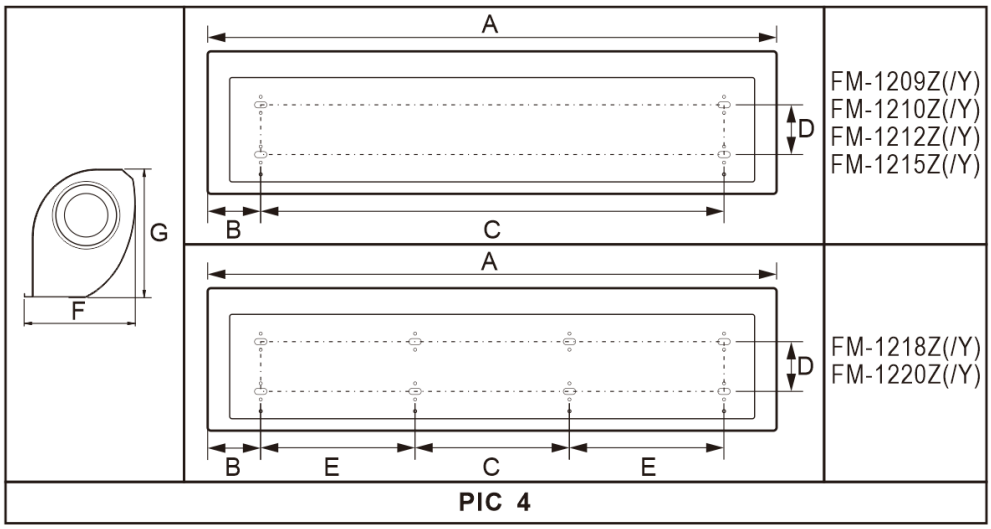


With Magnet Switch



Installation sizes

The external dimensions and install the size:



(mm)

MODEL	A	B	C	D	E	F	G
FM-1209Z(S)(/Y)(-MC)	900	226	448	60	-	151	181
FM-1210Z(S)(/Y)(-MC)	1000	276	448	60		151	181

FM-1212Z(S)(/Y)(-MC)	1200	225	750	60	-	151	181
FM-1215Z(S)(/Y)(-MC)	1500	375	750	60		151	181
FM-1218Z(S)(/Y)(-MC)	1800	297	402	60	402	151	181
FM-1220Z(S)(/Y)(-MC)	2000	397	402	60	402	151	181

Technical parameter

Item / Model	Rated Voltage (V~)	Rated Frequency (Hz)	Impeller (mm)	Input Power (w)	Air vulume (m^3/h)	Air velocity (m/s)	Noise (dB)	N.W (kg)	Unit Size (mm)	Package size (mm)	Mounted height (m)
FM-1209Z(/Y)	220	50	105	120	1400	11	50	5.9	900*145*185	950*190*235	2.0-3.0
FM-1210Z(/Y)			105	130	1700	11	51	6.5	1000*145*185	1050*190*235	2.0-3.0
FM-1212Z(/Y)			105	155	2000	11	51	7.7	1200*145*185	1250*190*235	2.0-3.0
FM-1215Z(/Y)			105	180	2800	11	52	9.7	1500*145*185	1550*190*235	2.0-3.0
FM-1218Z(/Y)			105	200	3600	11	53	11.3	1800*145*185	1850*190*235	2.0-3.0
FM-1220Z(/Y)			105	220	4000	11	54	12.0	2000*145*185	2050*190*235	2.0-3.0

MAINTENANCE

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.
3. 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.