



OWNER'S MANUAL

AIR CURTAIN

Model:

KAC-36TCRM
KAC-48TCRM

Please read this instruction manual before using the product.
Read carefully before attempting to assemble, install, operate or maintain the product described.
Installation shall be done by Authorized Service Center.
Retain these instructions for future reference.

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Safety Precautions

1. If the supply cord is damaged, it must be replaced by the manufacturer or its Authorized Service Center 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.

I. Description

1.1 Product description

This air curtain series products produced by our company have the characteristics of proper air volume and low noise. They are suitable for installation above the entrances and exits of shopping malls, hotel conference rooms, theaters, offices, cold storage, operating rooms, etc. They are widely used in electronics, instruments, Pharmaceutical, food, precision processing, medical and other industries. A curtain wall barrier is formed in a specific area (such as a doorway), which has the functions of blocking the mixing of internal and external air, reducing heat exchange, preventing dust, pollution, and insects.

1.2 Model Selection

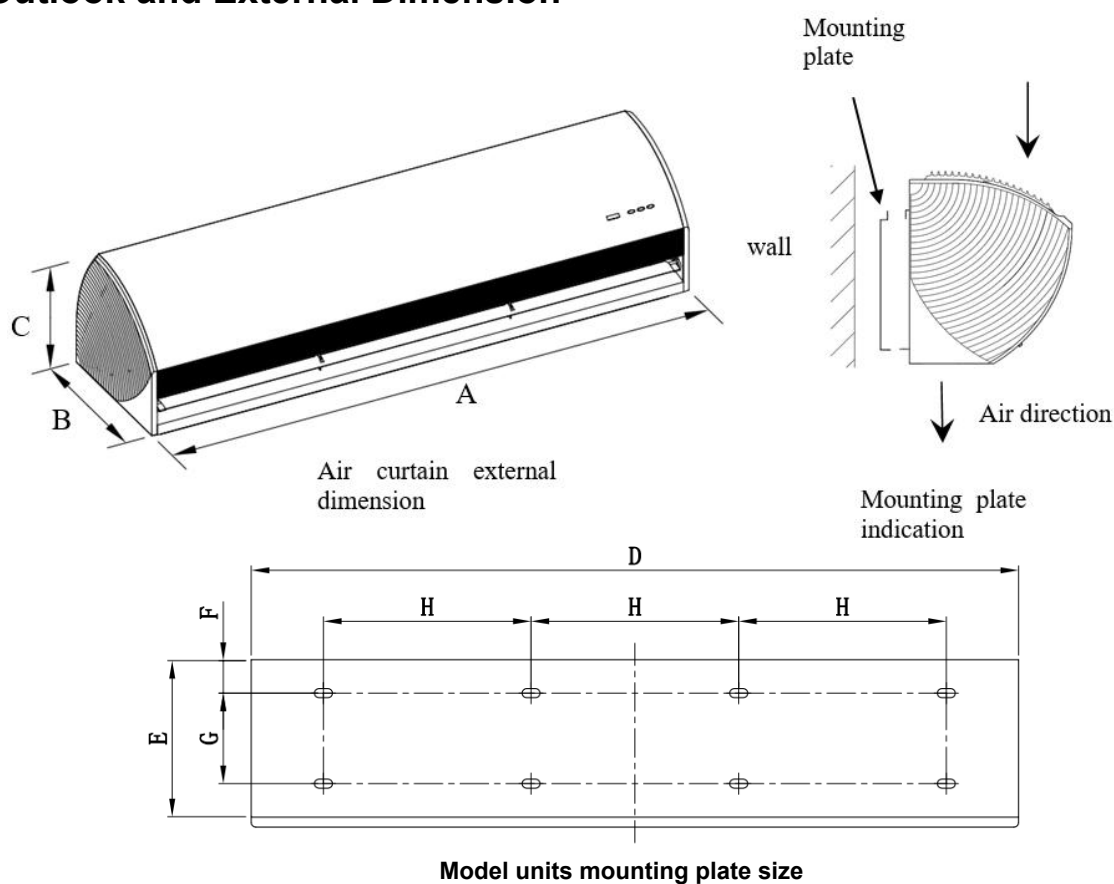
The selected model is mainly determined by the width and height of the door; the length of the air curtain and the diameter of the air blower. Generally speaking, the width of the door is shorter than the length of the machine body and it can also be used in parallel with two or more; when the door is taller, you can choose air curtain with a larger wheel diameter (centrifugal type); otherwise, choose a smaller wheel diameter. When the environment requires a quiet environment, an air curtain fan with a smaller wheel diameter can be selected.

1.3 Required Environment Condition

Condition	Specification
Working conditions temperature, °C	-10~40
Ambient air relative humidity, %	≤90
Altitude above sea level, m	≤1000
Fixed supply voltage deviation, %	±10

II. Installation

2.1 Outlook and External Dimension

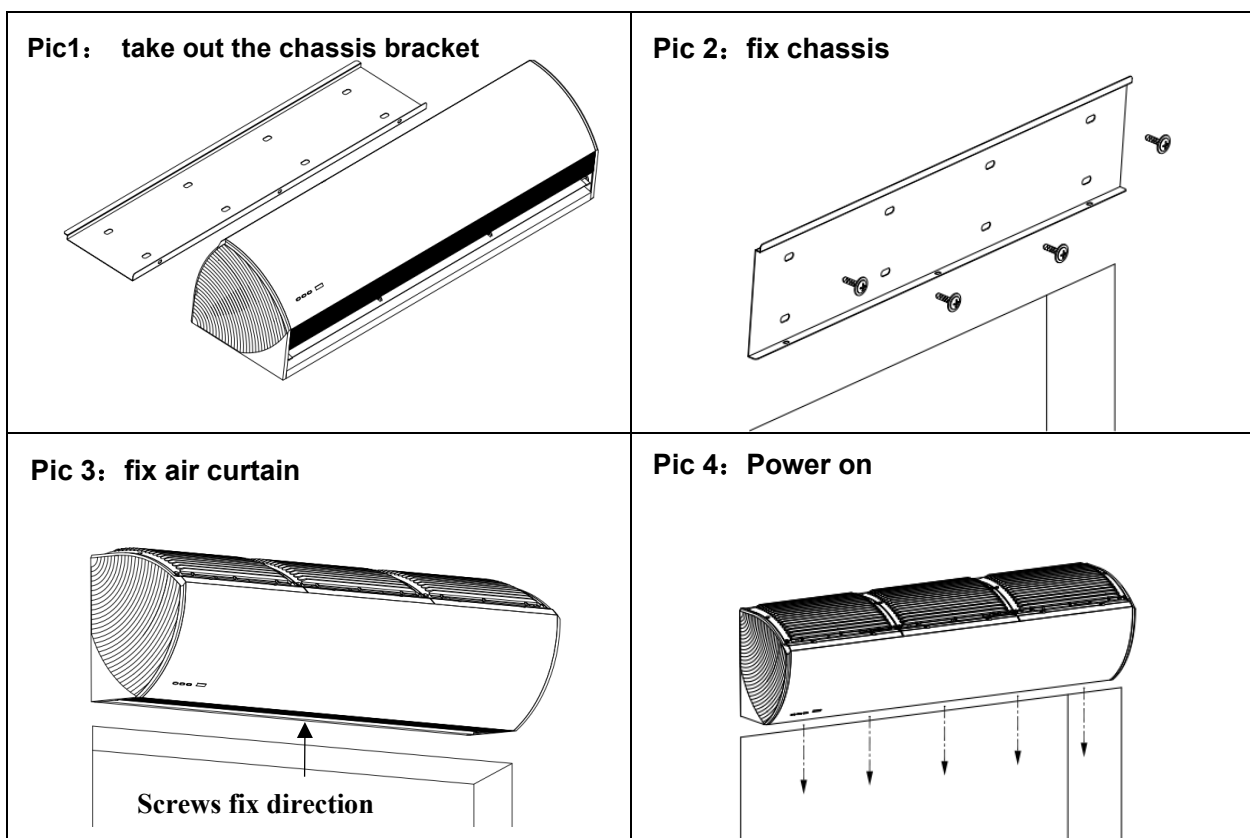


Model code	External size			Mounting plate sizes				
	A	B	C	D	E	F	G	H
KAC-36TCRM	900	255	227	850	172	36	100	230
KAC-48TCRM	1200	255	227	1150	172	36	100	330

2.2 Installation Methods

2.2.1 Installation steps

1. Take out the chassis bracket: After unpacking, loosen the chassis bracket clamping screw from the bottom, and separate the chassis bracket from the whole machine (pic 1) ;
2. Use M8 bolts and nuts to fix the chassis bracket on the selected installation wall (if it is installed on a wooden wall, you can use wood screws fix it) (pic 2) ;
3. Fix air curtain: put the air curtain to chassis bracket and fix it by screws (pic 3)
4. Power on: switch on and run the air curtain (pic4)



(notes: Installation diagram, product appearance, please refer to the actual product)

2.2.2 Installation Precaution

When installing this machine, please pay attention to the following points to increase the efficiency of the air curtain.

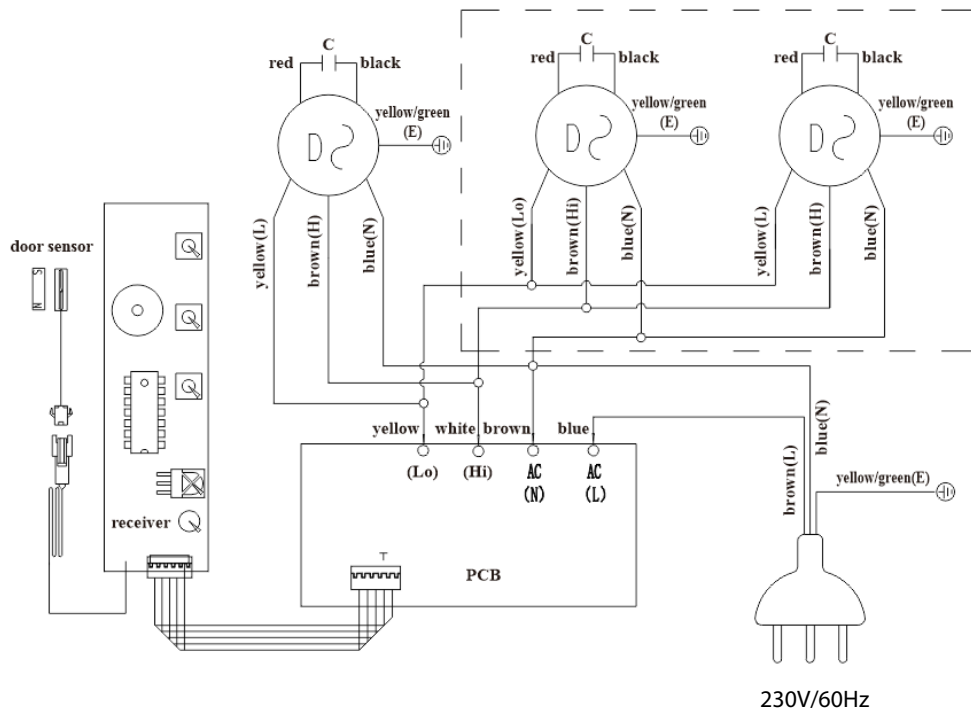
- 1) Please install it in a sturdy place to prevent vibration due to operation, to ensure its safety, and to prevent unnecessary noise.
- 2) Please install the air curtain on the indoor side.
- 3) Please select the applicable model according to the installation you want to install. If the installation location is too high, it will not be able to perform the intended function due to the effective blocking distance.
- 4) When installing the machine, please align the position of the air outlet with the bottom of the installation surface.
- 5) If the door is wider than the width of the air curtain fan to be installed, two or more units can be used. In this case, keep the distance between the air curtain fans at about 20-40mm.
- 6) When installing, there should be no gap between the wall panel of the air curtain and the wall.
- 7) The distance between the air curtain fan and the ceiling shall not be less than 200mm.
- 8) Please install horizontally.
- 9) When installing, the distance between the air outlet and the ground should be more than 3.5m.

III. User Guide

3.1 Operation instruction

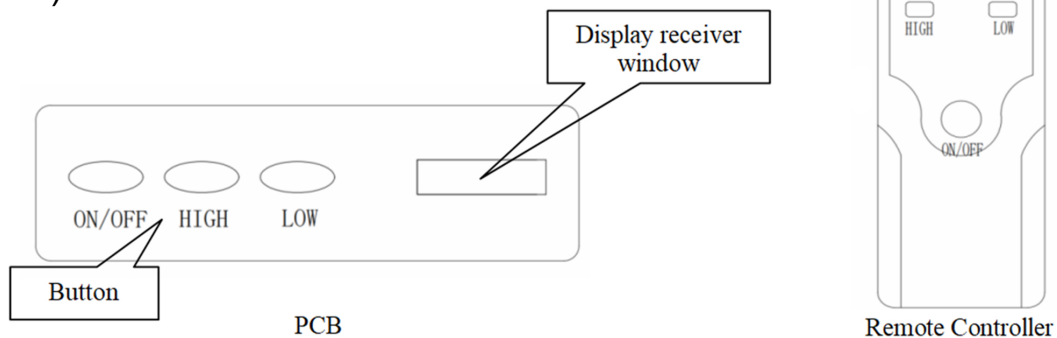
3.1.1 Wiring Diagram

Remote control with door sensor type wiring schematic diagram.



3.1.2 Button feature

1) PCB and remote control



- 2) Standby state: After plugging in the power supply, the machine enters the standby state after a buzzer sound. Standby status indicator lights will flash red.
- 3) On/off button: used to turn on/off the power of the fan. Press the power button once, and the fan starts normally after a buzzing sound. The air speed defaults to high when starting. Press the power button again, and the machine will enter the standby state after a buzzing sound

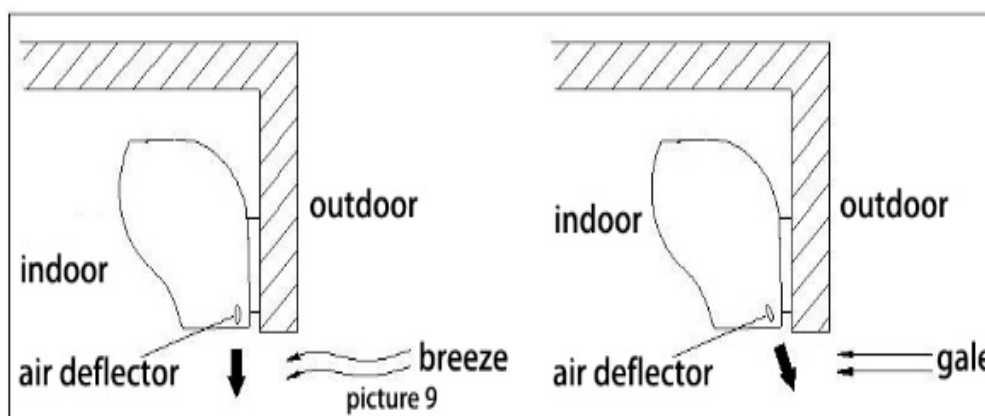
- 4) H-speed button: used to switch between high and low gears of the air curtain. Press the high button once. After a buzzing sound, the air curtain will run at high speed, and the indicator light will be red. (Press the high button repeatedly in the high speed state and the air curtain will have no response).
- 5) L-speed button: used to switch between high and low gears of the air curtain. Press the low button once. After a buzzing sound, the air curtain will operate in a low speed, and the indicator light will be steady red. (Press the low button repeatedly in the low speed state, and the air curtain will have no response).

3.1.3 Button feature of remote control

- 1) Same in the manual buttons of air curtain unit.
- 2) Replaceable battery: use two AAA batteries.

3.1.4 Air direction adjustment

The air deflector is manually adjustable. Adjusting its angle can change the direction of the wind to achieve the best result of using an air curtain.



3.2 Parameters

Model	Rated Voltage (V~)	Rated Frequency (Hz)	Motor power (W)		Air speed (m/s)		Air volume (m³/s)		Noise (dB)		Unit sizes (mm)
			H	L	H	L	H	L	H	L	
KAC-36TCRM	230	60	296	205	16.0	12.5	1090	880	≤45	≤43	900x255x227
KAC-48TCRM			384	253	16.0	12.5	1450	1170	≤47	≤45	1200x255x227

IV. Repair and Maintenance

1. The power supply should be cut off before inspection and maintenance.
2. Parts such as motors and electrical appliances should be moisture-proof to prevent short circuits.
3. Regular repairs and maintenance are carried out every six months to remove the dirt on the air curtain.
4. When cleaning, use detergent to clean, and then wipe with a clean soft cloth.
5. Never use gasoline, thinner, kerosene, bactericide or metal brush to clean the machine.
6. If the power cord is damaged, contact the manufacturer or its Authorize Service Center for repair or replace of the parts for safety precautions.

The design and specifications are subject to change without prior notice for product improvement. Any updates to the manual will be uploaded to the service website, please check for the latest version.

If you have any concerns, please contact us at the following:

Customer hotline: (02) 8852 6868
Text hotline: +63 917 576 0109
Email: customerservice@kolinphil.com.ph

Also, please like and follow us on our social media accounts:

Facebook: kolinphilippines
Instagram: kolinphilippines
Youtube: kolinphilippines
Tiktok: kolinphilippines
Website: www.kolinphil.com.ph

KPII110222



Kolin Phils. Int'l., Inc.

SERVICE CENTERS

BRANCH	ADDRESS	TEL. NO.
Bacolod	Door #A-2 & A-3 UTC Bldg., Alunan St., Brgy. Singcang, Bacolod City	(034) 433-0031
Cagayan De Oro	Door #3 De oro Land Bldg., Julio Pacana St., Puntod, Cagayan De Oro City	(088) 856-4672
Cebu	Unit #6 A. Geson Bldg., D. Jakosalem cor. F. Ramos St., Cebu City	(032) 253-9997 / (032) 253-7944
Dagupan	Unit #1107 Caranglaan District, Dagupan City Pangasinan	(075) 523-2832
Davao	Blk 17 Lot 9, Calamansi St., Juna Subd., Matina, Davao City	(082) 227 - 7063
Iloilo	Door #4 D' Appliance Arcade, South Fundidor, Moli, Iloilo City	(033) 336-1970
Pampanga	LRK Commercial Bldg., Jose Abad Ave., Lagundi Mexico, Pampanga	(045) 455-2934

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Facebook: kolinphilippines
Instagram: kolinphilippines
Youtube: kolinphilippines
Tiktok: kolinphilippines
Website: www.kolinphil.com.ph

OFFICE

**Kolin Bldg., 1854 Sta. Rita St.,
Guadalupe Nuevo, Makati City
Service Hotline: (02) 8852-6868**

PLANT

**Blk 3 Lot 5, Main Drive First Cavite
Industrial Estate, Langkaan 1,
Dasmariñas City, Cavite
Tel. No.: (046) 402-0793**