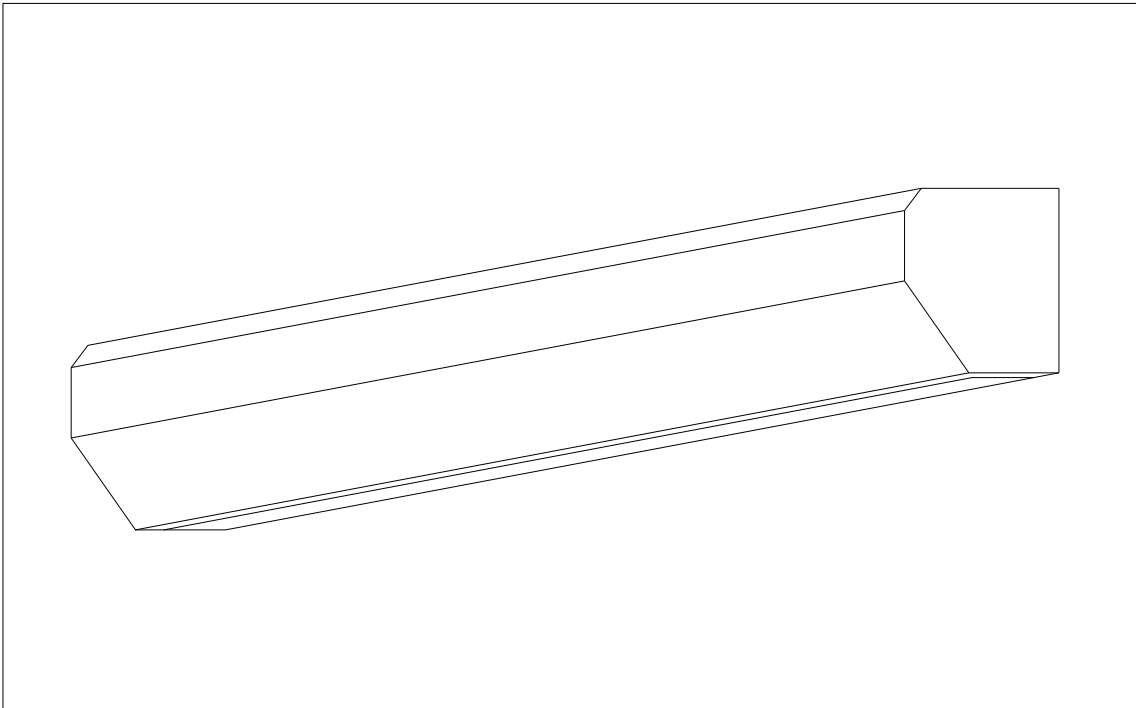


# **USER'S GUIDE**

## **AIR CURTAINS**

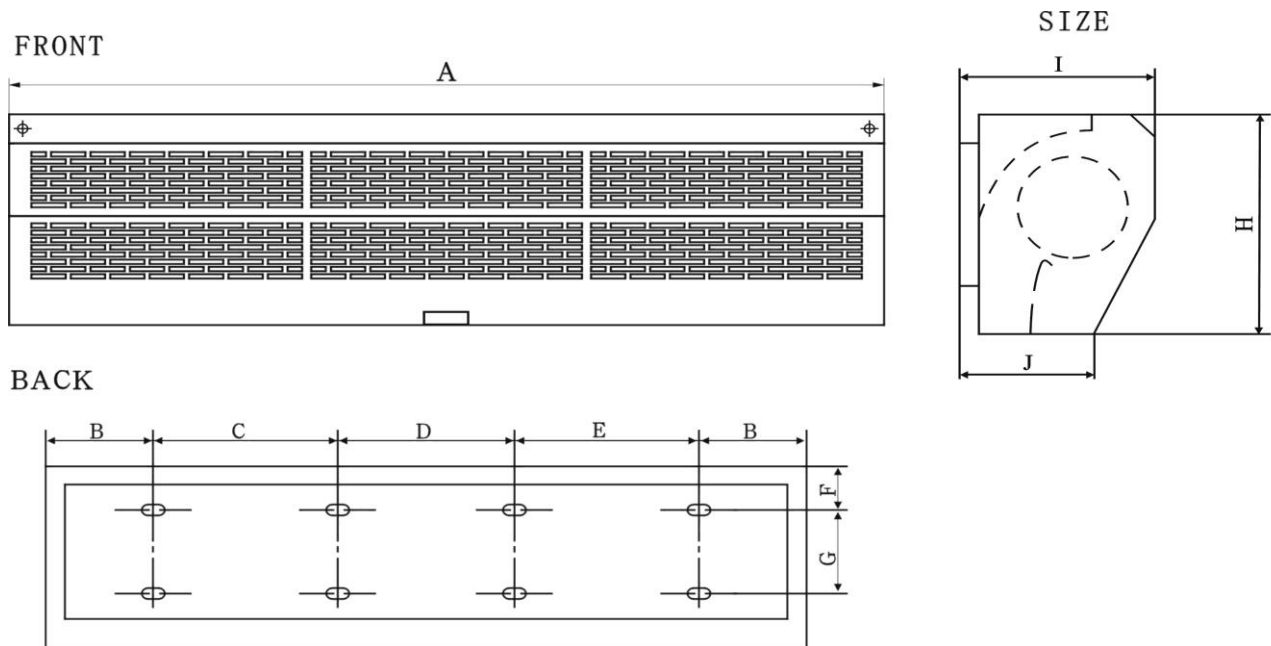


**Thanks for purchasing this Air Curtain,  
Please read these instructions carefully before use.**

## PRODUCT INTRODUCTION

As one of the new top-class products for modern decoration, air curtain is also matched with the air-conditioner. And it is installed at the entrances of supermarket, theater, meeting room, hotel, office room, working shop and storeroom to prevent the dust, mosquito and nocuous air, and so on.

## 2、IDENTIFICATION & INSTALLATION DIMENSIONS

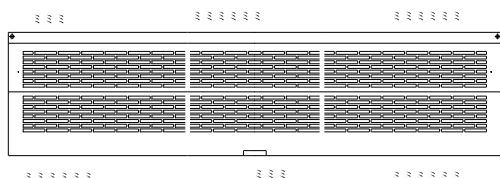


MODEL	A	B	C	D	E	F	G	H	I	J
RM-1206-D03/Y-SA1	600	25	550	---	---	50	100	215	180	105
RM-1209-D06/Y-SA1	900		290	560	---					
RM-1209-3D06/Y-SA1										
RM-1212-D08/Y-SA1	1210		445	270	445					
RM-1212-3D08/Y-SA1										
RM-1215-D10/Y-SA1	1500		569	270	569					
RM-1215-3D10/Y-SA1										
RM-1218-D12/Y-SA1	1800		736	270	736					
RM-1218-3D12/Y-SA1										
RM-1220-D14/Y-SA1	2014		844	270	844					
RM-1220-3D14/Y-SA1										
RM-1209-DJ06/Y-SA1	900	25	290	560	---	52	145	260	218	128
RM-1209-3DJ06/Y-SA1										
RM-1212-DJ08/Y-SA1	1200		430	270	430					
RM-1212-3DJ08/Y-SA1										
RM-1215-DJ10/Y-SA1	1500		569	270	569					
RM-1215-3DJ10/Y-SA1										
RM-1218-3DJ12/Y-SA1	1800	30	736	270	736					
RM-1209-3DJ08-Y/SA1	900	25	290	560	---					
RM-1212-3DJ12-Y/SA1	1200		430	270	430					
RM-1215-3DJ16-Y/SA1	1500		569	270	569					
RM-1509-3DJ10/Y-SA1	900		25	290	560					
RM-1512-3DJ14/Y-SA1	1200	430		270	430					
RM-1515-3DJ18/Y-SA1	1500	569		270	569					

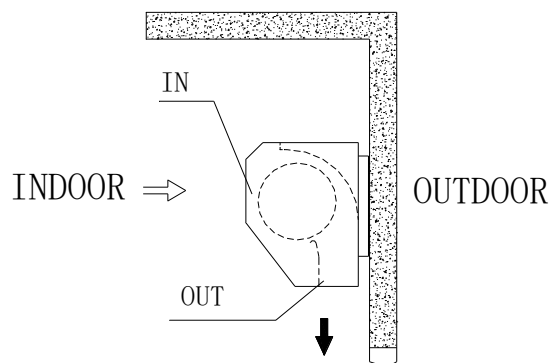
### 3、INSTALLATION CAUTION

Must follow the following asking when installing air curtain:

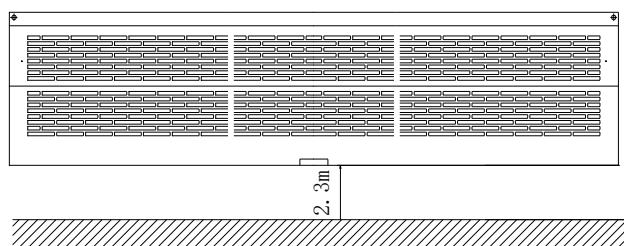
3.1 Please install the unit in a sturdy place to avoid the shaking and ensure its security (because it maybe causes the wall becoming flexible or shaking and noise.



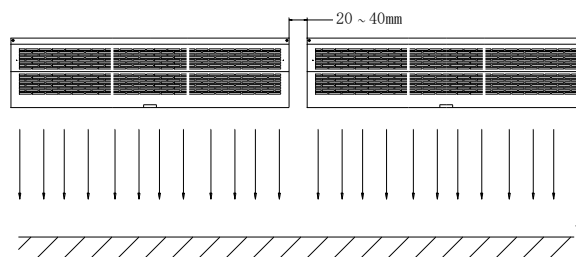
3.2 Please install the unit inside the room.



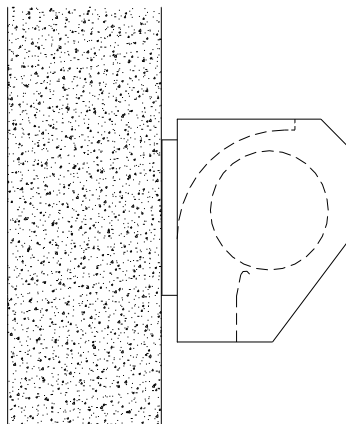
3.3 Don't install the unit too low, no less than 2.3 meter from the ground.



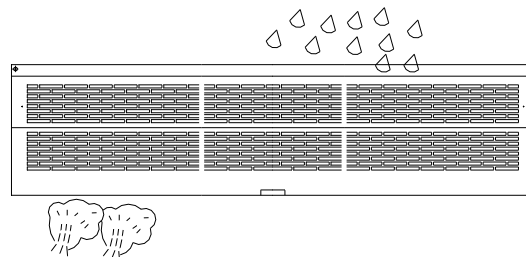
3.4 When the entrance is wider than the unit, it is recommended to install two or more units in parallel. In this case, provide 20-40mm gaps between the units.



3.5 Don't allow gaps between the unit and the wall. When hanging it from the ceiling, using the enclosed ceiling brackets.



3.6 Don't install the unit in a place where it is splashed by water, exposed to excessive steam, explosive gas or corrosive gas.

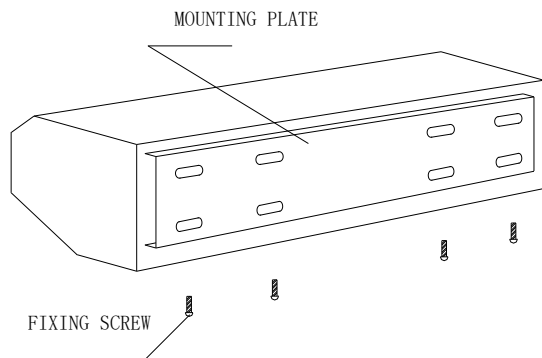


## 4、INSTALLATION

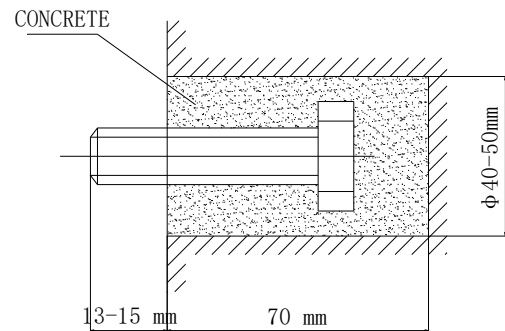
### A、Installing on the concrete wall:

#### 4.1.1 Removed the mounting plate

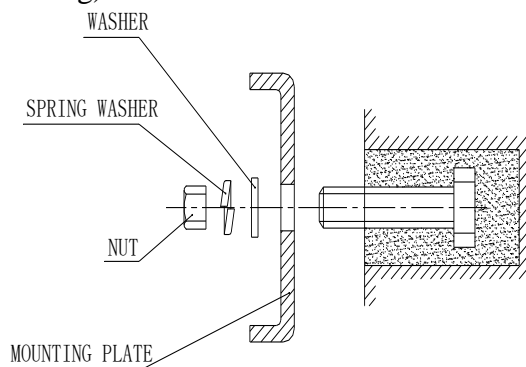
Unclamping the fixed screws on the back of main body to removed the mounting plate.



#### 4.1.2 Fix the bolts in the proper position (Decide the position with the mounting plate and pour cement into the bolt holes.)

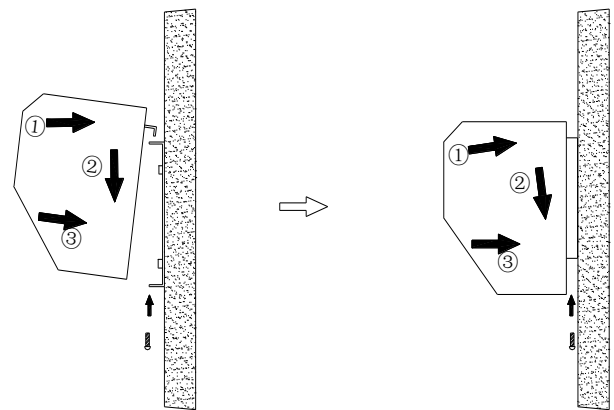


#### 4.1.3 When the cement has freeze, fit the mounting plate (use the washer and nut according to the following)



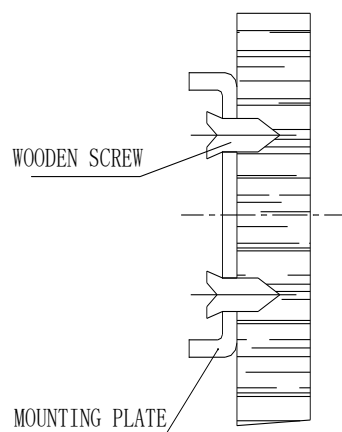
#### 4.1.4 Install the main body

Set the main body onto the upper end of the mounting plate and clamp it as shown.

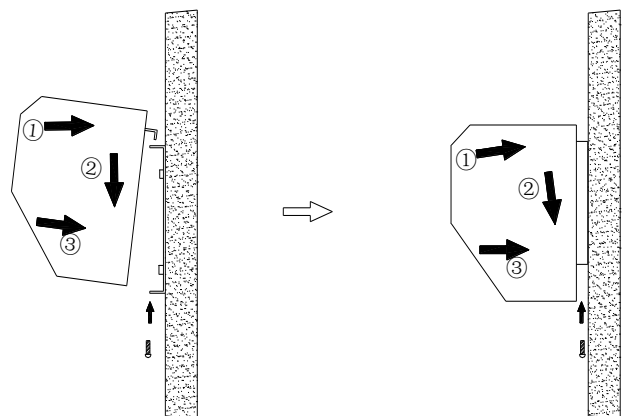


### B、Installing on the wooden wall

#### 4.2.1 Fix the mounting plate in the proper positions with tapping screw.

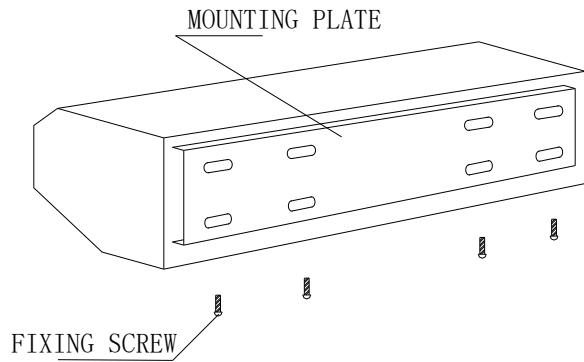


#### 4.2.2 Same as the step 4 of A

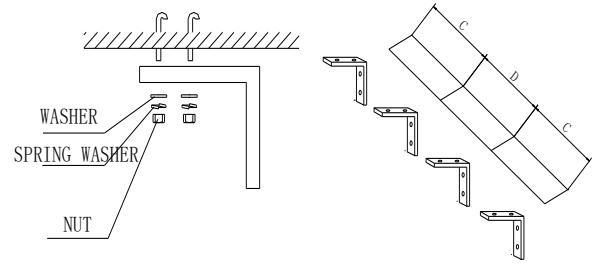


## C、 Hanging from the ceiling

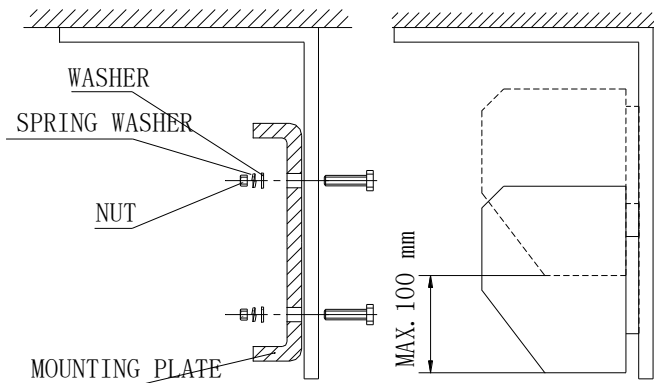
4.3.1 Remove the mounting plate from main body  
(Same as step 5.1.1)



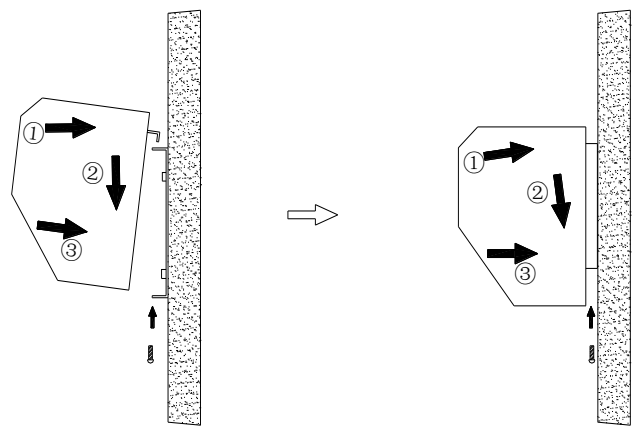
4.3.2 Fixing ceiling brackets as Fig.



4.3.3 Set the mounting plate on the ceiling brackets and ensure safe & fixing (use the bolts attached to the ceiling brackets as Fig. Using the ceiling brackets to hang from the ceiling, the position of mounting plate can be adjusted in the limit of 100mm.



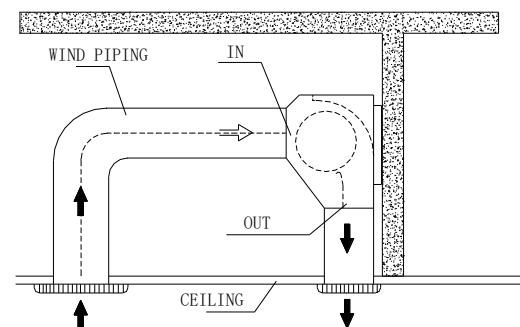
4.3.4 Do the same as step A to install the main body.



## 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 right Fig. Instructs.



## 5、TECHNICAL PARAMETER

### SINGLE PHASE

MODEL	Diam Of Wheel (mm)	Volt. /Freq. (V~/Hz)	Motor power (W)	Heater power (KW)	Temp (K)	Max. air speed (m/s)	Air volume (m <sup>3</sup> /h)	Net weight (Kg)	Dimension (mm)
RM-1206-D03/Y-SA1	115	220~240 /50	110	3	25	8	600	11.5	600×180×215
RM-1209-D06/Y-SA1			140	6	25		800	15	900×180×215
RM-1212-D08/Y-SA1			200	8	25		1000	18.5	1210×180×215
RM-1215-D10/Y-SA1			280	10	25		1500	22	1500×180×215
RM-1218-D12/Y-SA1			330	12	25		2200	25	1800×180×215
RM-1220-D14/Y-SA1			400	14	25		2700	28	2014×180×215

MODEL	Diam Of Wheel (mm)	Volt. /Freq. (V~/Hz)	Motor power (W)	Heater power (KW)	Temp. (K)	Max. air speed (m/s)	Air volume (m <sup>3</sup> /h)	Net weight (Kg)	Dimension (mm)
RM-1209-DJ06/Y-SA1	115	220~240 /50	140	6	18	9.5	995	20	900×218×260
RM-1212-DJ08/Y-SA1			200	8	18	9.5	1510	24.5	1200×218×260
RM-1215-DJ10/Y-SA1			280	10	18	9.5	1880	28	1500×218×260

### THREE PHASES

MODEL	Diam Of Wheel (mm)	Volt. /Freq. (V~/Hz)	Motor power (W)	Heater power (KW)	Temp (K)	Max. air speed (m/s)	Air volume (m <sup>3</sup> /h)	Net weight (Kg)	Dimension (mm)
RM-1209-3D06/Y-SA1	115	380~415 /50	140	6	25	8	800	15	900×180×215
RM-1212-3D08/Y-SA1			200	8	25		1000	18.5	1210×180×215
RM-1215-3D10/Y-SA1			280	10	25		1500	22	1500×180×215
RM-1218-3D12/Y-SA1			330	12	25		2200	25	1800×180×215
RM-1220-3D14/Y-SA1			400	14	25		2700	28	2014×180×215

MODEL	Diam Of Wheel (mm)	Volt. /Freq. (V~/Hz)	Motor power (W)	Heater power (KW)	Temp. (K)	Max. air speed (m/s)	Air volume (m <sup>3</sup> /h)	Net weight (Kg)	Dimension (mm)
RM-1209-3DJ06/Y-SA1	115	380~415 /50	140	6	25	9.5	995	20	900×218×260
RM-1212-3DJ08/Y-SA1			200	8	25	9.5	1510	24.5	1200×218×260
RM-1215-3DJ10/Y-SA1			280	10	25	9.5	1880	28	1500×218×260
RM-1218-3DJ12/Y-SA1			330	12	25	9.5	2250	36	1800×218×260

MODEL	Diam Of Wheel (mm)	Volt. /Freq. (V~/Hz)	Motor power (W)	Heater power (KW)	Temp. (K)	Max. air speed (m/s)	Air volume (m <sup>3</sup> /h)	Net weight (Kg)	Dimension (mm)
RM-1209-3DJ08-Y/SA1	115	380~415 /50	140	8	43	10	1045	21.5	900×218×260
RM-1212-3DJ12-Y/SA1			200	12	43	10	1590	27	1200×218×260
RM-1215-3DJ16-Y/SA1			280	16	43	10	1980	31.5	1500×218×260

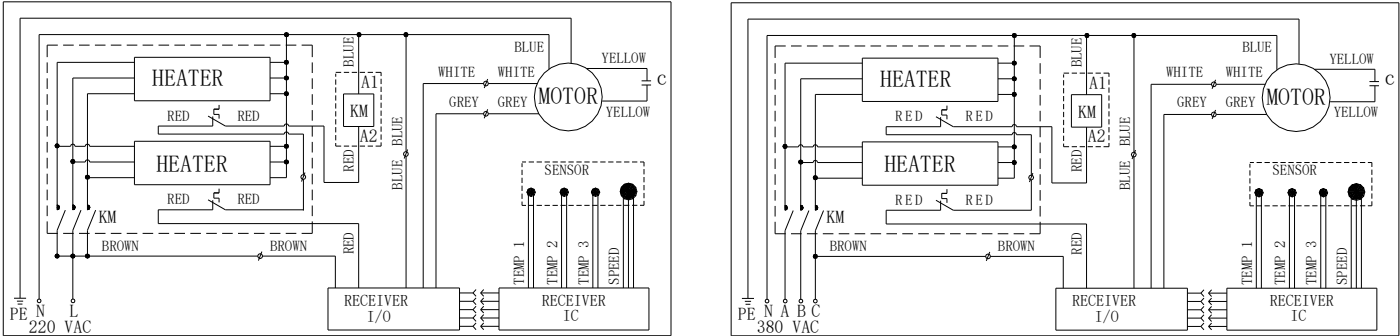
MODEL	Diam Of Wheel (mm)	Volt. /Freq. (V~/Hz)	Motor power (W)	Heater power (KW)	Temp. (K)	Max. air speed (m/s)	Air volume (m <sup>3</sup> /h)	Net weight (Kg)	Dimension (mm)
RM-1509-3DJ10/Y-SA1	140	380~415 /50	230	10	43	10	1290	24.5	900×278×260
RM-1512-3DJ14/Y-SA1			300	14	43	10	1975	31	1200×278×260
RM-1515-3DJ18/Y-SA1			380	18	43	10	2470	36.5	1500×278×260

6、LINE SIZE

LINE SIZE

POWER ITEM	SINGLE PHASE ( 220V~, MAIN LINE:L、N )					THREE PHASES ( 380V~ MAIN LINE:A、B、C、N )						
HEATER POWER (KW)	3	6	8	10	12	6	8	10	12	14	16	18
MAIN LINE (mm2)	1.5	4.0	6.0	10	10	1.5	2.5	2.5	4.0	4.0	6.0	6.0
EARTH LINE (mm2)	1.5	4.0	4.0	4.0	4.0	1.5	2.5	2.5	4.0	4.0	4.0	4.0

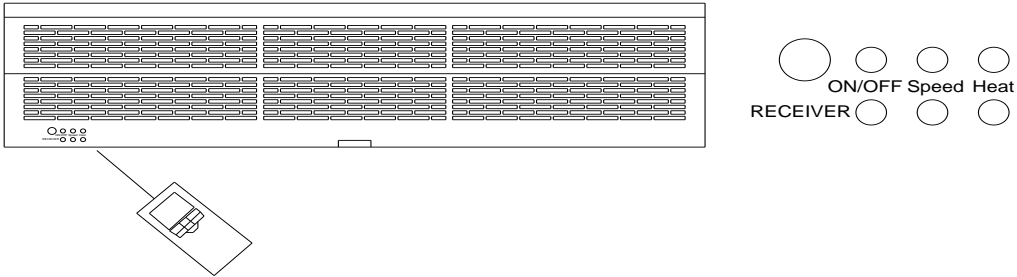
7、NOTE: forbid overload to operation for a long time!



8 OPERATION

A

B



- 8.1 INDICATOR LIGHT ON AIR CURTAIN PANEL
- 8.1.1 RED - POWER SUPPLY STATUS
- 8.1.2 GREEN 1 - OPERATING STATUS OF MACHINE
- 8.1.3 GREEN 2 - HEATING STATUS OF MACHINE

## 8.2 BUTTON ON THE REMOTE CONTROLLER

- 8.2.1 “HIGH” BUTTON - HIGH-GRADE WIND SPEED BUTTON
- “LOW” BUTTON - LOW-GRADE WIND SPEED BUTTON

- 8.2.2 “HEAT” BUTTON - TO SWITCH ON/OFF HEATING MODE. (THERMOSTAT IS ALREADY INSTALLED INSIDE THE AIR CURTAIN. WHEN HEATING MODE IS ON, SYSTEM SETS THE CRITICAL POINT OF INDOOR TEMPERATURE TO BE 25°C OR 77°F BY DEFAULT. WHEN TEMPERATURE REACHES THE SETTING TEMPERATURE, HEATING MODE CHANGES TO COOL AIR MODE AUTOMATICALLY.

- 8.2.3 “TEMP” BUTTON - TO RISE OR REDUCE THE CRITICAL POINT OF TEMPERATURE TO SWITCH HEATING MODE AUTOMATICALLY.

- 8.2.4 MOOD - TO SWITCH THE DISPLAY MODE BETWEEN °C FOR CELSIUS DEGREE AND °F FOR FAHRENHEIT DEGREE.

## 8.3 INSTRUCTIONS

### 8.3.1 FITTING BATTERY

- 8.3.1.1 PUSH THE BATTERY COVER AS INDICATED BY THE ARROW

- 8.3.1.2 PLACE TWO 7# ALKALINE BATTERY INSIDE, MAKE SURE THE ANODE AND CATHODE ARE CORRECT

- 8.3.1.3 PUSH BACK THE BATTERY COVER.

PS: THE DEFAULT SETTING OF THE REMOTE CONTROLLER ARE: 1. IN THE COOL AIR MODE, 2. MAXIMUM WIND SPEED, 3. THE CRITICAL TEMP. IS 25°C.

### 8.3.2 COOL AIR MODE

- 8.3.2.1 PUSH “ON/OFF” BUTTON, POWER SUPPLY STATUS LIGHT TURNS ON, OPERATING STATUS LIGHT TURNS ON. AIR CURTAIN OPERATES AT THE MAXIMUM AIR SPEED.

PS: IF THE SET WIND SPEED IS DIFFERENT FROM THE DEFAULT WIND SPEED, THE AIR CURTAIN WILL OPERATE UNDER THE DEFAULT WIND SPEED FOR 3 SEC. THEN SWITCH TO THE SET WIND SPEED

- 8.3.2.2 PUSH “HIGH/ LOW” BUTTON, TO INCREASE/DECREASE WIND SPEED.

- 8.3.2.3 PUSH “ON/OFF” BUTTON AGAIN TO STOP THE UNIT, THE POWER SUPPLY STATUS LIGHT AND OPERATING STATUS LIGHT WILL TURN OFF.

### 8.3.3 HEATING MODE

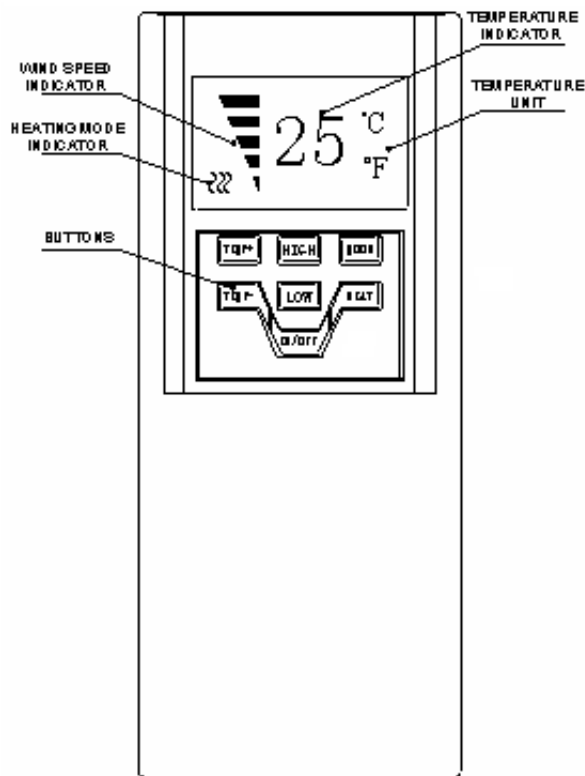
- 8.3.3.1 PUSH “ON/OFF” BUTTON, POWER SUPPLY STATUS LIGHT TURNS ON, OPERATING STATUS LIGHT TURNS ON. AIR CURTAIN OPERATES AT THE MAXIMUM AIR SPEED.

PS: IF THE SET WIND SPEED IS DIFFERENT FROM THE DEFAULT WIND SPEED, THE AIR CURTAIN WILL OPERATE UNDER THE DEFAULT WIND SPEED FOR 3 SEC. THEN SWITCH TO THE SET WIND SPEED

- 8.3.3.2 PUSH “HIGH/ LOW” BUTTON, TO INCREASE/DECREASE WIND SPEED.

- 8.3.3.3 PUSH “HEAT” BUTTON, HEATING STATUS LIGHT TURNS ON, THE HEATING MODE INDICATOR IS DISPLAYED ON THE REMOTE CONTROL, THE AIR CURTAIN IS WORKING AT THE HEATING MODE.

- 8.3.3.4 PUSH “HEAT” BUTTON, HEATING STATUS LIGHT AND THE HEATING MODE INDICATOR ON THE REMOTE CONTROL TURNS





OFF, AIR CURTAIN WORKING AT THE COOL AIR MODE.

8.3.3.5 PUSH “TEMP+ / TEMP-” BUTTON, TO SET THE CRITICAL POINT OF TEMPERATURE. YOU NEED (WHEN THE ROOM TEMPERATURE IS HIGHER THAN THE CRITICAL TEMPERATURE DISPLAYED ON THE REMOTE CONTROL, THE HEATING ELEMENT WILL BE STOPPED AUTOMATICALLY WHILE THE HEATING STATUS LIGHT FLASHING)

8.3.3.6 PUSH “ON/OFF” BUTTON AGAIN WHEN AIR CURTAIN WORKING UNDER THE HEATING MODE, HEATING STATUS LIGHT TURNS OFF, OPERATING STATUS LIGHT FLASHING, THE MOTOR WILL OPERATE IN A DELAY MODE FOR 1 MINUTE. THE AIR CURTAIN TURNS OFF AFTER THE DELAY MODE.

#### 8.4 ADDITIONAL FUNCTION

MAGNETIC DOOR SWITCH CAN BE ADDED

WHEN THE DOOR IS CLOSED, THE AIR CURTAIN WILL STOP WHILE THE POWER SUPPLY STATUS LIGHT TURNS ON AND OPERATING STATUS LIGHT TURNS OFF. WHEN THE DOOR IS OPENED THE AIR CURTAIN TURNS ON AUTOMATICALLY.

PS: IF THE SET WIND SPEED IS DIFFERENT FROM THE DEFAULT WIND SPEED, THE AIR CURTAIN WILL OPERATE UNDER THE DEFAULT WIND SPEED FOR 3 SEC. THEN SWITCH TO THE SET WIND SPEED

#### 8.5 ATTENTION:

8.5.1 POINT THE REMOTE CONTROLLER DIRECTLY TO THE RECEIVER WHEN OPERATION.

8.5.2 MAXIMUM EFFECTIVE DISTANCE OF REMOTE CONTROLLER IS 6 METERS.

8.5.3 MAKE SURE THERE IS NO BARRIER BETWEEN THE REMOTE CONTROLLER AND THE RECEIVER WHEN GIVING OUT OPERATING SIGNAL

8.5.4 DON NOT DROP THE REMOTE CONTROL

8.5.5 LEAVE THE REMOTE CONTROLLER AWAY FROM DIRECT SUNSHINE, OR HEATING EQUIPMENT OR OTHER HEATING SOURCES.

8.5.6 USE A PAIR OF NO.7 ALKALINE BATTERY, CHANGE THE BATTERY PERIODICALLY

8.5.7 TAKE OUT THE BATTERY IF YOU ARE NOT INTENT TO USE THE REMOTE CONTROL FOR A LONG PERIOD.

## 9 CAUTIONS

9.1 Use the unit at the rated voltage and frequency indication on the nameplate.

9.2 Disconnect power source before unit operation.

9.3 Routing maintenance must be done every year.

9.4 Never use petrol, benzene, thinner or any other such chemical for clearing the unit.

9.5 Don't allow water or anything enter the motor.

9.6 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.