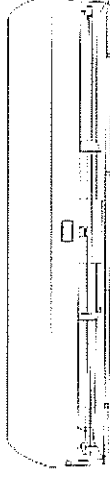


# Centrifugal air curtain machine



## Instruction for use

Before the use please carefully reads  
this instruction booklet and installs by the specialist.

## The product is summarized:

Promising FM of Southeast Asia and brand-new RM wind curtain machine that our company produces the array product, is to rely on Southeast Asia air current research centre key technology accumulating for many years in the field being ventilated, on the basis absorbing home and abroad advanced experience sufficiently, new generation array product developing out. Have centrifugal wind curtain machine and birthplace stream style wind curtain machine mark according to structure, have natural wind curtain machine and changes in temperature wind curtain machine mark according to the function. That product array blowing rate is appropriate, noise hangs down, be suitable to industry such as assembling in market, applying to broadly above entrance and exit such as guesthouse council chamber, theatre, office, cold storage, operating room, the electronic instrument, pharmacy, food, precision work, medical treatment. Be in specially appointed area (if entrance) forms a curtain, have cut off an inner, external air commixture, decrease heat exchange, dust prevention, anti-pollution, guard against the mosquito fly and the harmful gas intruding into, provide a comfortable job, shopping, the environment lying fallow.

## Function

### Four kind function of wind curtain machine

#### 1, heat insulation function

Do wind curtain machine work all right if the place that the eatery, shop and such a customer of place of recreation often come in and go out of needs the ceaseless switch door no longer. Such can keep the interior cold, warm air dampness with 60 ~ coming 80%'s efficiency, but the meeting allows to have the tiny temperature changes.

#### 2, insect prevention function

Being able to discover the most annoying harmful insect is to have no way to pass wind curtain's. Such can be better more relaxed keeping the fruit counter, the snack handles the room, meat marketing point hygiene safety.

#### 3, dust prevention function

If installing wind curtain machine in precise machine works or the entrance hall facing bus lane grocery or toggery, can the dust screening away outside having effect, can with 60 ~ 80%'s level keep clean.

#### 4, is separated by the peculiar smell function

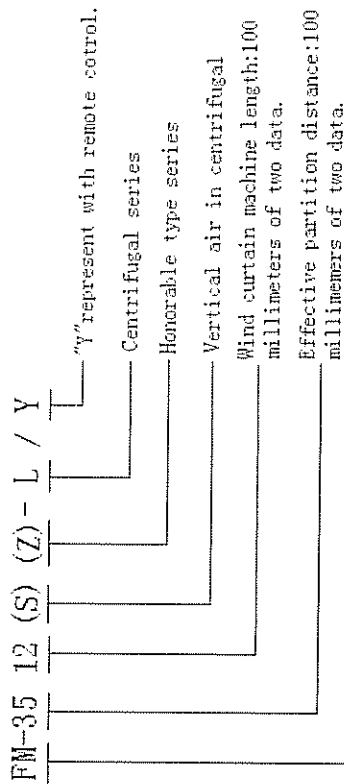
Deter from the wrong with that vegetable gives off out in the machine preserving a room and freezing meat's if in the chemical laboratory or shop. And can obstruct the harmful gas that the automobile gives off outside.

## Pattern

WIND CURTAIN MACHINE PATTERN CODE NUMBER FOLLOWING TABLE:

Project		Code number
Wind curtain machine name	Must heating up wind curtain machine	PM
	Hot blast curtain machine	RM
Installs the pattern	Level installment	—
	Vertical installment	C
Heat source type	Hot water	S
	Steam	—
Air blower pattern	Electricity	D
	Throughflow	—
	Centrifugal type	L
	The axis flows the type	Z

## The model explanation



Be that effective partition distance is 3.5 ms, air current name is 1200 mms in width outlet, use centrifugal type wind machine to assemble, level installation mistake heats wind curtain machine.

## Model choice

Selects the model main basis gate the width, the altitude; The wind curtain machine fuselage length, the wind wheel diameter but decide. The gate width ratio fuselage length slightly short for is generally speaking good, also may juxtapose two or above two uses; The gate compares Gao Shike to select the diameter of wheel big wind curtain machine; Otherwise then selects the diameter of wheel small wind curtain machine; When the environment request is quiet, may select the diameter of wheel small wind curtain machine.

## The use environment:

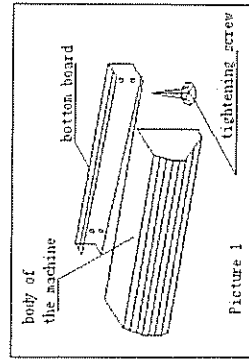
Project	Specification
Working conditions temperature, °C	-10~40
Ambient air relative humidity, %	≤90
Altitude above sea level, m	≤1000
Fixed supply voltage deviation, %	±10

## Installment

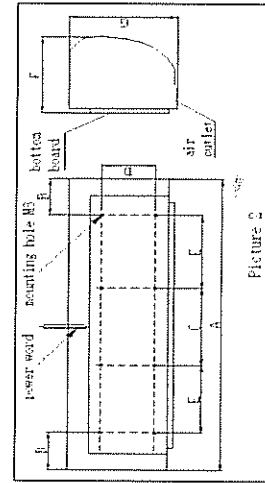
The external dimensions and install the size:

Model	A	B	C	D	E	G	F
FM-3509 (S) -L/Y	850	80	230	120	230	230	212
FM-3512 (S) -L/Y	1150	80	330	120	330	230	212
FM-3515 (S) -L/Y	1450	65	330	120	330	230	212
FM-4509 (S) -L/Y	850	80	230	120	230	230	212
FM-4512 (S) -L/Y	1150	80	330	120	330	230	212
FM-4515 (S) -L/Y	1450	65	330	120	330	230	212
FM-3509Z-L/Y	850	80	230	120	230	230	215
FM-3512Z-L/Y	1150	80	330	120	330	230	215
FM-3515Z-L/Y	1450	65	330	120	330	230	215
FM-4509Z-L/Y	850	80	230	120	230	230	215
FM-4512Z-L/Y	1150	80	330	120	330	230	215
FM-4515Z-L/Y	1450	65	330	120	330	230	215

Already clamp screw on this machine bottom board for the selected optimum consumer installation hole, comes loose , separate bottom board from the box out in the body , already having set up (picture 1) on bottom board having assembling a hole. Location must accurate and solid , assemble method time installation as follows:



Picture 1

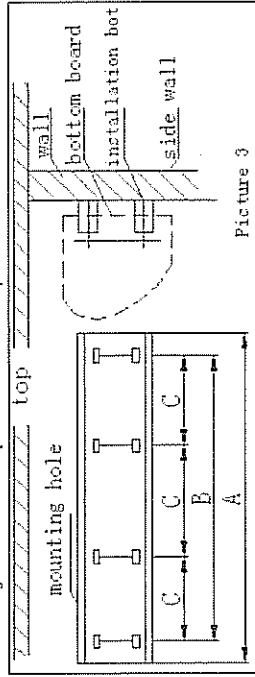


Picture 2

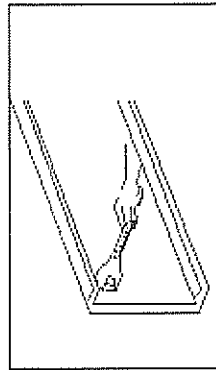
Picture 2

## 1、assembles on concrete wall

- (1) Give the installation size that going out according to the different specifications, and decides on seat (picture 2) .
- (2) Beat out to join in marriage the M8 to pull to burst the hole of bolt on the seat deciding on the seat deciding on, and will pull to burst the bolt to fix is mixing to congeal on the wall, and pledge at the same time the stretching out length 15mm of bole. (picture 3)
- (3) With the bed down the livestock, nut, tightly solid with the board at bottom stands up, and just can dress up the whole set. (picture 4)



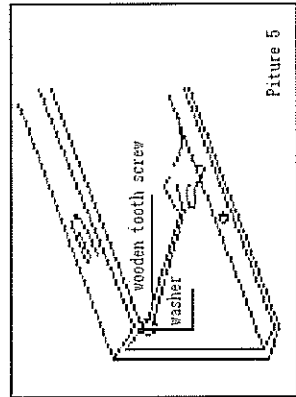
Picture 3



Picture 4

## 2、Installations ate on the wood wall

Select on the good seat (picture 5). To dress up the whole set tightlier admittedly the board at bottom with the wooden tooth screw.



Picture 5

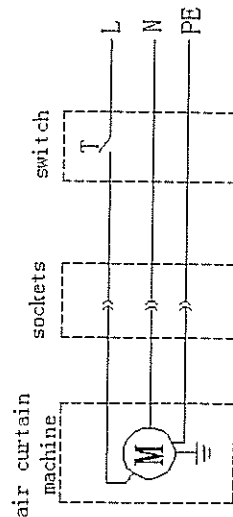
## Installment matters needing attention:

The user installs this machine-hour, please note next several, by increases the wind curtain machine efficiency of.

1. Please install in the solid place, by prevented because of revolves but has the vibration, and safeguards its security, prevented because of vibrates the nonessential noise which but produces.
2. Please wind curtain machine installment in room inside.
3. Please defer to want to install model of the choice use, if installs the position too is high, then can because effectively interdict is away from the factor, is unable to display prearranges the function.
4. Installs this machine-hour, please will leave the gusty area position and the fitting surface most underneath to is uneven.
5. When the gate must wind of curtain machine width the installment also extend, then may use two or the multi- Taiwan assembly. In this situation, the wind curtain machine between distance maintains about 20~40mm.
6. When installs, the wind curtain machine hangs the wall plate and the wall cannot have the crevice.
7. The wind curtain machine with hangs between the wall plate the distance not to have to be smaller than 30mm.
8. Asks the level to install.
9. When installs, should be suitable the gusty area to be bigger than 2.3m to the ground range.

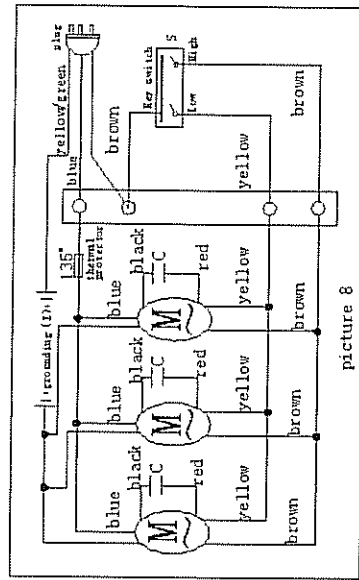
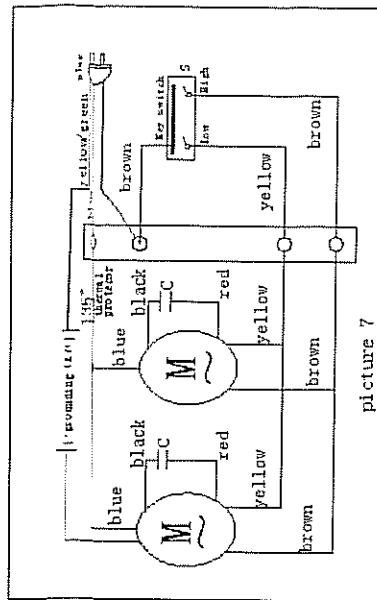
## The wind curtain machine controls and using:

1. The sketch map of the Installation (picture 6). It is controlled by be outer switch. If it is connected with an outer knob, its speed can be adjusted.

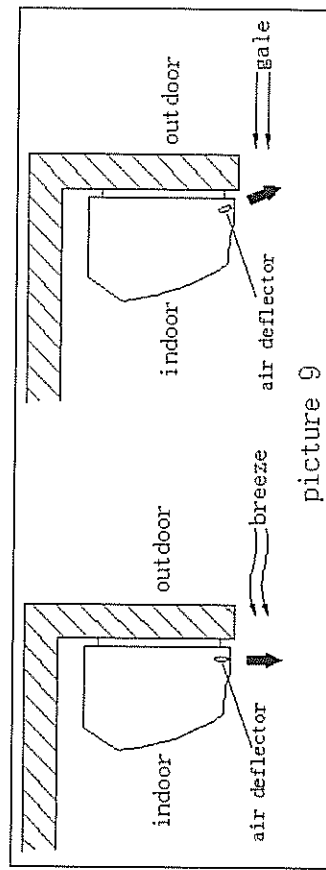


Picture 6

2. The controlling circuit of the two-speed air conditioning protecting machinery (picture 7, picture 8). You just have to press the "1" or "0" so that you can receive the suitable wind speed, press "0" to stop.



3. the board adjusting an air outlet leading wind pursues as follows till appropriate location. (Picture 9)



The technology parameter:

Item	Rated Voltage (V)	Rated Frequency (Hz)	Specification (mm)	Input Power (w)	Wind Flow (m <sup>3</sup> /h)	Wind Speed (m/s)	Noise (dB)	N.W (kg)	Fuseage Size (cm)	Packing box (cm)	Effective height (m)
Model											
FM-3509-L/Y	220	50	120	230	1020	14.5	≤56	17	900×230×212	960×290×270	3.0-3.5
	220	60	120	280	1020	14.5	≤56	17	900×230×212	960×290×270	3.0-3.5
FM-3512-L/Y	220	50	120	305	1360	14.5	≤57	21	1500×230×212	1560×290×270	3.0-3.5
	220	60	120	360	1360	14.5	≤57	21	1500×230×212	1560×290×270	3.0-3.5
FM-3515-L/Y	220	50	120	380	1700	14.5	≤59	25	1500×230×212	1560×290×270	3.0-3.5
	220	60	120	460	1700	14.5	≤59	25	1500×230×212	1560×290×270	3.0-3.5
FM-4509-L/Y	220	50	120	360	1260	18	≤58	17	900×230×212	960×290×270	4.0-4.5
	220	60	120	440	1260	18	≤58	17	900×230×212	960×290×270	4.0-4.5
FM-4512-L/Y	220	50	120	495	1680	18	≤60	21	1500×230×212	1560×290×270	4.0-4.5
	220	60	120	620	1680	18	≤60	21	1500×230×212	1560×290×270	4.0-4.5
FM-4515-L/Y	220	50	120	605	2100	18	≤61	25	1500×230×212	1560×290×270	4.0-4.5
	220	60	120	750	2100	18	≤61	25	1500×230×212	1560×290×270	4.0-4.5
FM-3509S-L/Y	220	50	120	220	1020	14.5	≤56	17	900×230×212	960×290×270	3.0-3.5
	220	60	120	270	1020	14.5	≤56	17	900×230×212	960×290×270	3.0-3.5
FM-3512S-L/Y	220	50	120	275	1360	14.5	≤57	21	1500×230×212	1560×290×270	3.0-3.5
	220	60	120	355	1360	14.5	≤57	21	1500×230×212	1560×290×270	3.0-3.5

FM-3509S-L/Y	220	50	120	320	1700	14.5	≤59	25	1500×230×212	1560×290×270	3.0-3.5
	220	60	120	455	1700	14.5	≤59	25	1500×230×212	1560×290×270	3.0-3.5
FM-4509S-L/Y	220	50	120	310	1260	18	≤58	17	900×230×212	960×290×270	4.0-4.5
	220	60	120	370	1260	18	≤58	17	900×230×212	960×290×270	4.0-4.5
FM-4512S-L/Y	220	50	120	400	1680	18	≤60	21	1200×230×212	1260×290×270	4.0-4.5
	220	60	120	480	1680	18	≤60	21	1200×230×212	1260×290×270	4.0-4.5
FM-4515S-L/Y	220	50	120	510	2100	18	≤61	25	1500×230×212	1560×290×270	4.0-4.5
	220	60	120	610	2100	18	≤61	25	1500×230×212	1560×290×270	4.0-4.5
FM-3509Z-L/Y	220	50	120	220	1020	14.5	≤53	16	900×230×212	960×290×275	3.0-3.5
	220	60	120	330	1020	14.5	≤53	16	900×230×212	960×290×275	3.0-3.5
FM-3512Z-L/Y	220	50	120	275	1360	14.5	≤55	20	1200×230×212	1260×290×275	3.0-3.5
	220	60	120	430	1360	14.5	≤55	20	1200×230×212	1260×290×275	3.0-3.5
FM-3515Z-L/Y	220	50	120	330	1700	14.5	≤57	24	1500×230×212	1560×290×275	3.0-3.5
	220	60	120	530	1700	14.5	≤57	24	1500×230×212	1560×290×275	3.0-3.5
FM-4509Z-L/Y	220	50	120	280	1260	18	≤54	16	900×230×212	960×290×275	4.0-4.5
	220	60	120	360	1260	18	≤54	16	900×230×212	960×290×275	4.0-4.5
FM-4512Z-L/Y	220	50	120	380	1680	18	≤56	20	1200×230×212	1260×290×275	4.0-4.5
	220	60	120	530	1680	18	≤56	20	1200×230×212	1260×290×275	4.0-4.5
FM-4515Z-L/Y	220	50	120	480	2100	18	≤58	24	1500×230×212	1560×290×275	4.0-4.5
	220	60	120	615	2100	18	≤58	24	1500×230×212	1560×290×275	4.0-4.5

## Service and maintenance

1. Before the inspection and the service should the dump.
2. Part and so on electrical machinery, electric appliance should be moisture-proof, by guards against short-circuits.
3. Every half year carries on the normal service and the maintenance regularly, eliminates wind curtain machine on the contamination. When clean applies the detergent clean, then scours with the clean soft cloth. Is sure not to use the gasoline, the diluent, the petroleum, the disinfectant or the metal brush cleans this machine.
3. The layman does not to disassemble at will this machine.

## The service pledged

This factory production various models wind curtain machine, observes the related storage and under the use rule condition in the user, because the manufacture quality question may implement "three packages" firmly date of from the purchase a year.

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.

- 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.
- Children should be supervised to ensure that they do not play with the appliance.