

USER'S GUIDE

TITAN AIR CURTAINS

Models

FM-1206-SA1 FM-1206-SC/Y

FM-1209-SA1 FM-1209-SC/Y

FM-1210-SA1 FM-1210-SC/Y

FM-1212-SA1 FM-1212-SC/Y

FM-1215-SA1 FM-1215-SC/Y

FM-1218-SA1 FM-1218-SC/Y

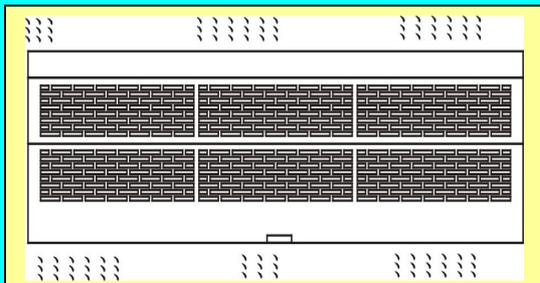
FM-1220-SA1 FM-1220-SC/Y

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

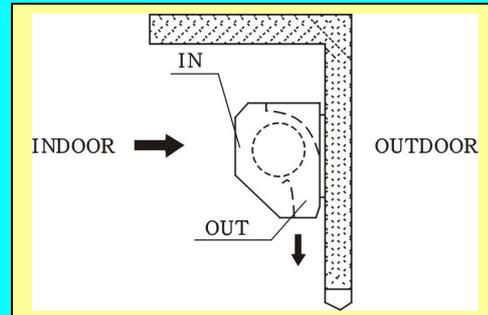
4. INSTALLATION CAUTION

You must follow these instructions when installing the Titan Air Curtain:

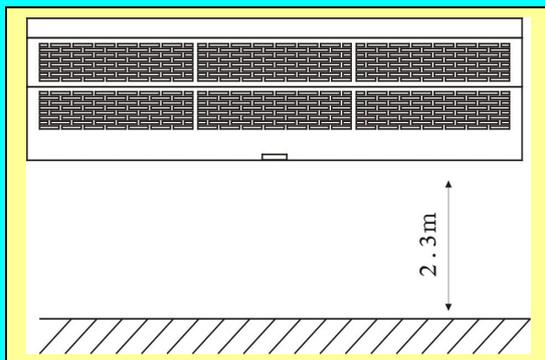
4.1 Please install the unit in a sturdy place to avoid vibration, excess noise and ensure its stability.



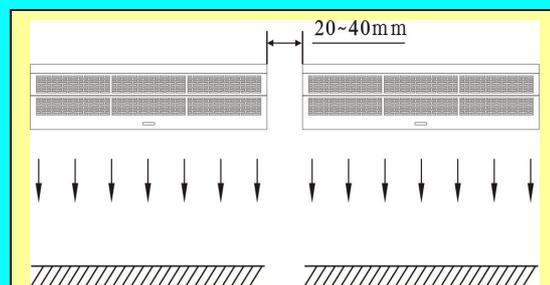
4.2 Please install the unit inside the room.



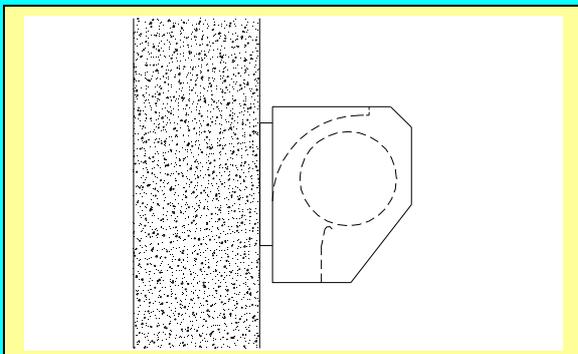
4.3 Don't install the unit too low, no less than 2.3 meters from the ground.



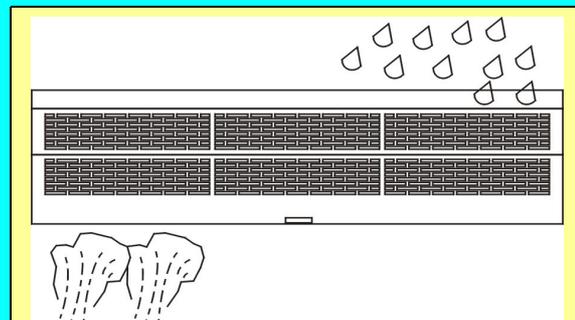
4.4 When the entrance is wider than the unit, its recommended to install two or more units in parallel. In this case, provide a 20-40mm gap between the units.



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



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

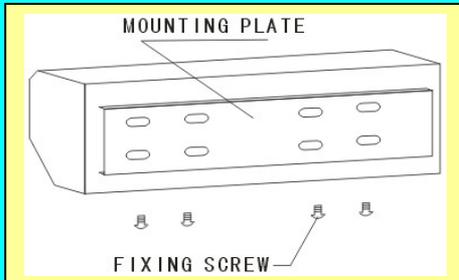


5. INSTALLATION

A. Installation on the concrete wall:

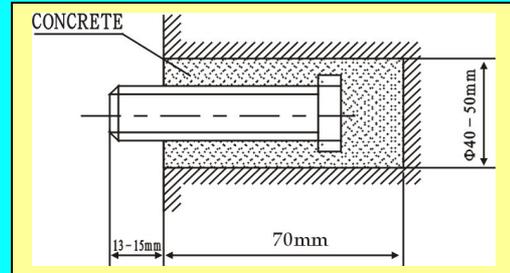
5.1.1 Remove the mounting plate

Un-clamp the fixed screws on the back of main body to remove the mounting plate.



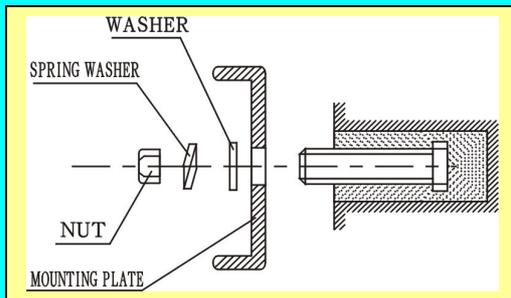
5.1.2 Fix the bolts in the proper position

Decide the position with the mounting plate and pour cement into the bolt holes.



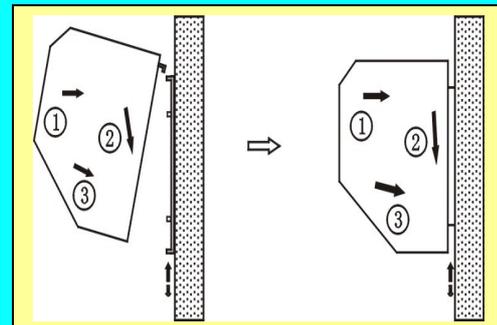
5.1.3 Fit the mounting plate

When the cement has set, fit the mounting plate (use the washer and nut according to the following).



5.1.4 Install the main body

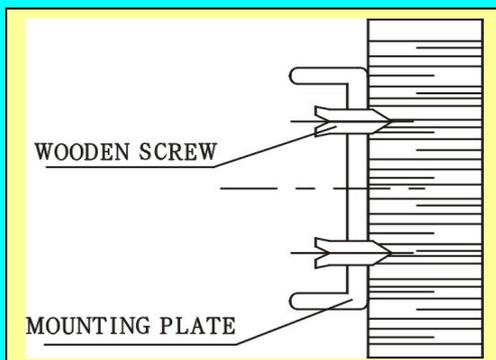
Set the main body onto the upper end of the mounting plate & clamp it as shown.



B. Installation on a wooden wall:

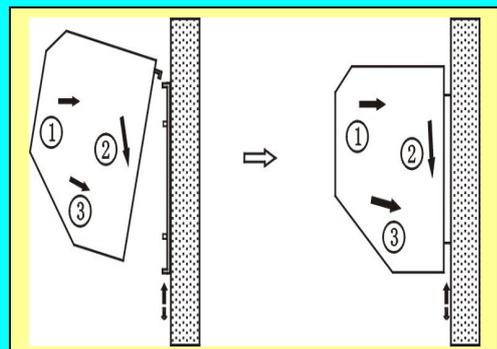
5.2.1 Fit the mounting plate

Fix in the proper positions with tapping screws.



5.2.2 Install the main body

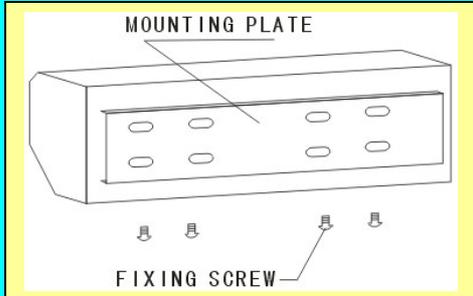
Set the main body onto the upper end of the mounting plate & clamp it as shown.



C. Hanging from the ceiling:

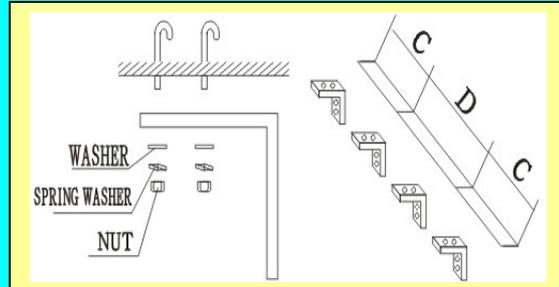
5.3.1 Remove the mounting plate

Un-clamp the fixed screws on the back of main body to remove the mounting plate.



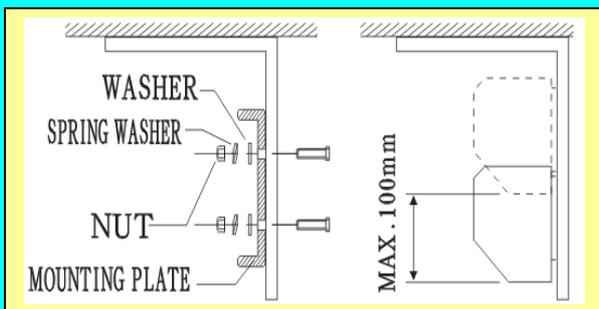
5.3.2 Fix the ceiling brackets

Fix the ceiling bracket as der the diagram below.



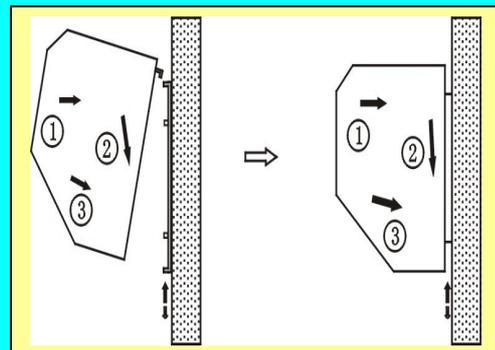
5.3.3 Fit the mounting plate

Carefully set the mounting plate on the ceiling brackets and attach using the bolts as shown. The position of mounting plate can be adjusted by up to 100 mm.



5.3.4 Install the main body

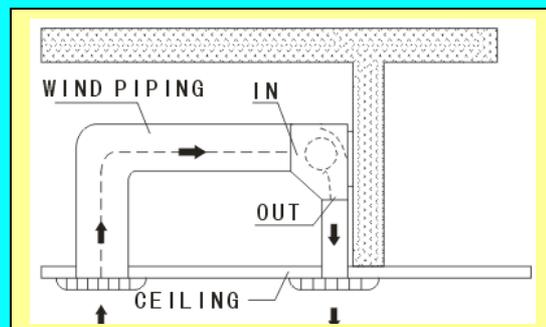
Set the main body onto the upper end of the mounting plate & clamp it as shown.



D. For installation inside a false ceiling:

5.4.1 Fix the air curtain as in the procedure for installing on the concrete wall. (Fig. 5.1.1 to 5.1.4)

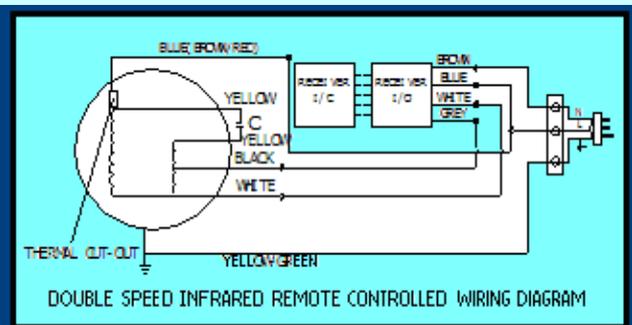
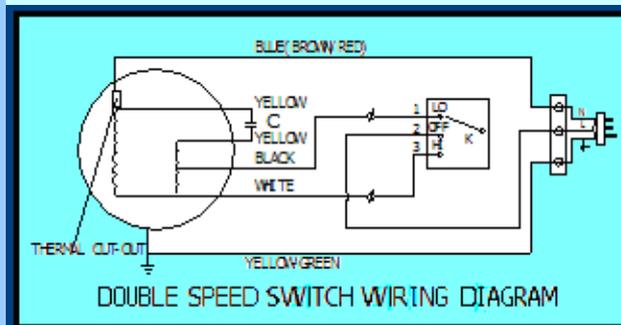
5.4.2 Install the piping as illustrated in the diagram to the right.



6. TECHNICAL PARAMETERS

MODEL	Diam. of wheel (mm)	Volt. (V~)	Freq. (Hz)	Max input power (W)		Max air speed (m/s)		Noise (dB)		Air volume (m ³ /h)		Net weight (Kg)	Dimension (mm)
				Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo		
FM-1206S				140	135			55	53	950	700	10	800×180×215
FM-1209S				160	155			57	55	1150	900	12	900×180×215
FM-1210S				180	175			58	56	1280	1000	14	1000×180×215
FM-1212S	115	220	50	200	195	11	9	58	56	1750	1200	15	1200×180×215
FM-1215S				230	225			59	57	2180	1500	18	1500×180×215
FM-1218S				330	325			60	58	2610	1800	23	800×180×215
FM-1220S				330	325			61	59	2800	1850	25	900×180×215

7. WIRING DIAGRAM



8. OPERATION

- 8.1 Turn on the power switch
- 8.2 Select the best speed : High[Hi], Low[Lo]
- 8.3 Depending upon the location, adjust the wind direction parts to obtain the best effect.

9. CAUTIONS

- 9.1 Use the unit at the right voltage and frequency as indicated on the nameplate.
- 9.2 Disconnect power source before unit operation.
- 9.3 Routine maintenance must be done every year.
- 9.4 Never use petrol, benzene, thinner or any other such chemical for clearing the unit.
- 9.5 Do not allow water or any moisture to enter the motor.
- 9.6 The power supply plug must accord with IEC335-1. When the power cord is connected, the contact gap is 3mm at least for all polarity switches.
- 9.7 In order to avoid the injury, do not attempt to open or service the equipment. Any service to the air curtain must be by a licensed electrician or factory representative.