

HEAT1 - ES3

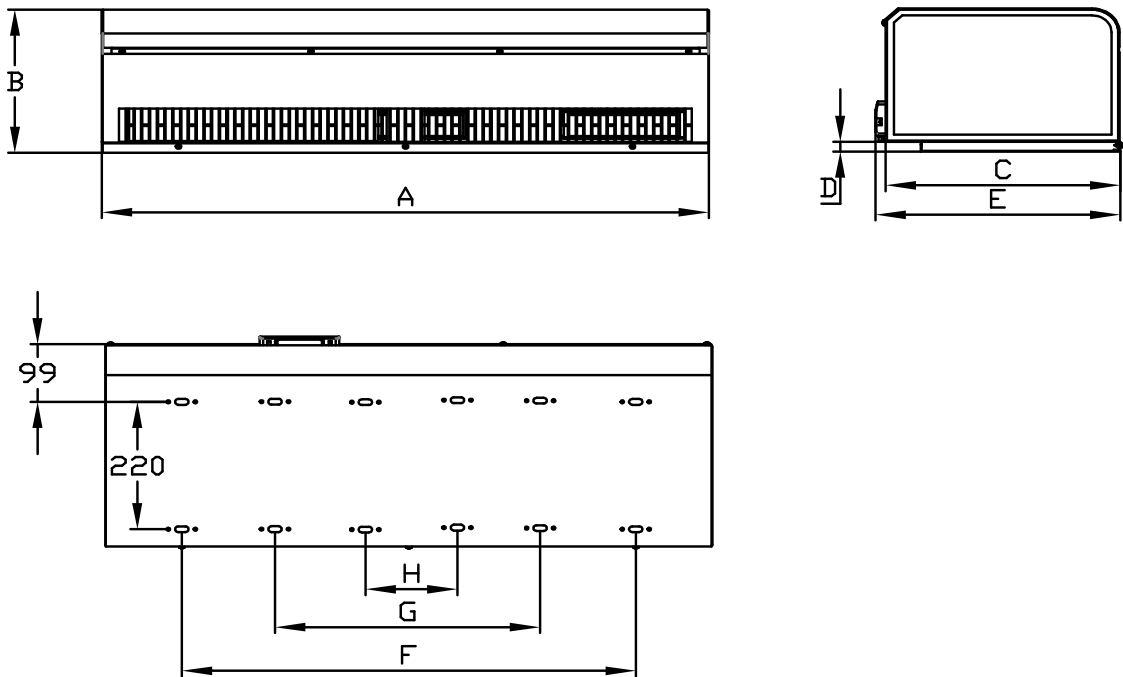
AIR CURTAINS

INSTALLATION MANUAL



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

1、 IDENTIFICATION & INSTALLATION DIMENSIONS

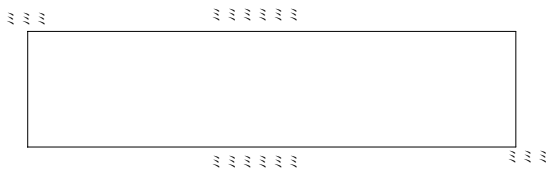


MODEL	A	B	C	D	E	F	G	H
HEAT1-ES3-90-3PH	900	246	348	17	363	637	--	--
HEAT1-ES3-120-3PH	1200					889	251	--
HEAT1-ES3-150-3PH	1500					1276	638	--
HEAT1-ES3-180-3PH	1800					1500	862	319
HEAT1-ES3-200-3PH	2000					1600	962	319

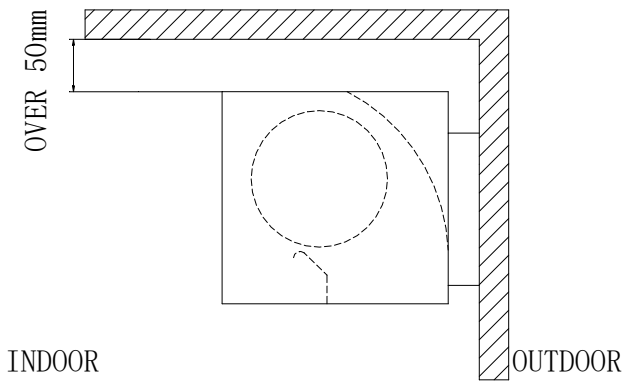
2、 INSTALLATION CAUTION

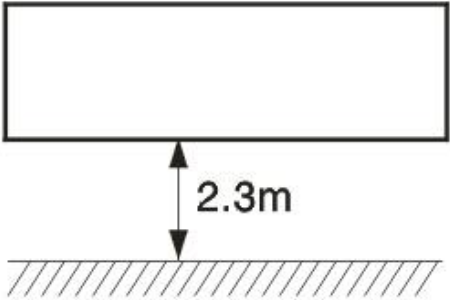
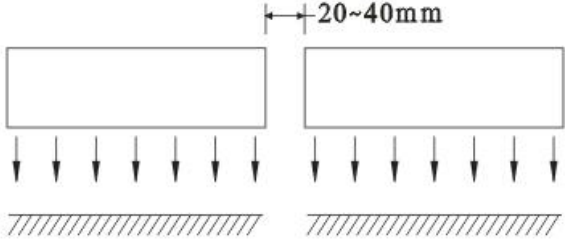
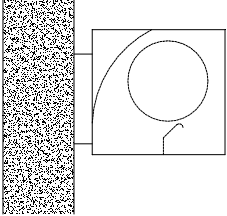
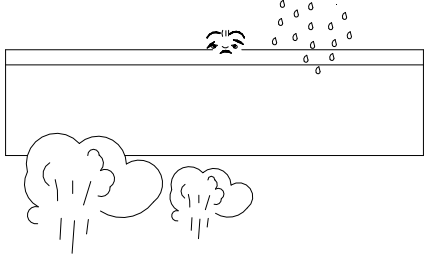
Must follow the following asking when installing air curtain :

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



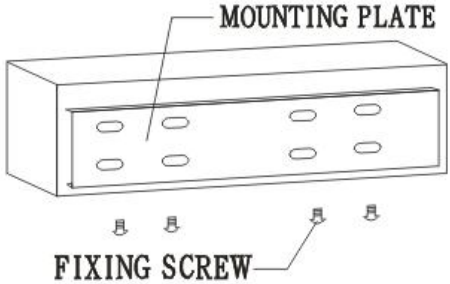
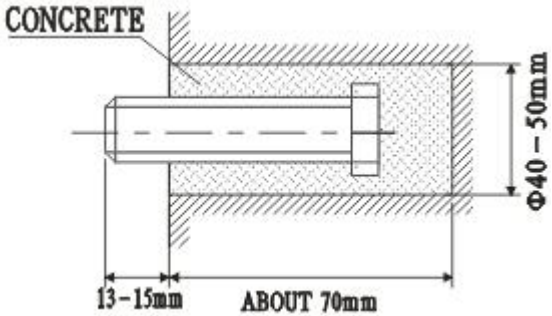
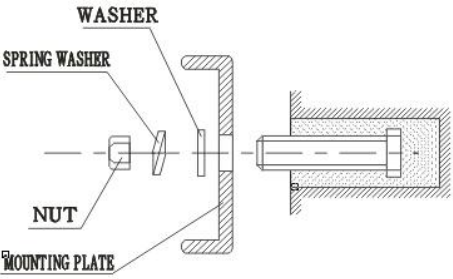
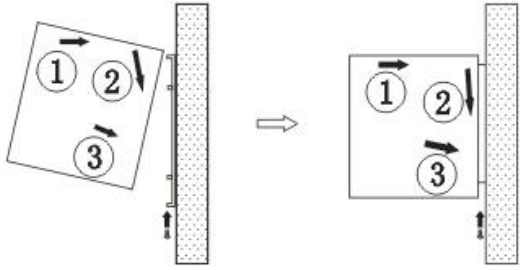
2.2 Please install the unit inside the room.



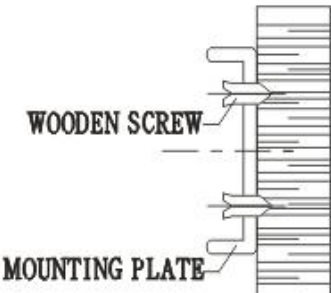
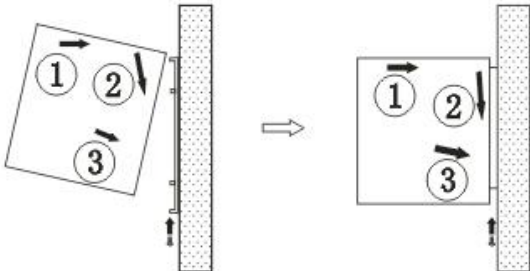
2.3 Don't install the unit too low, no less than 2.3 meter from the ground. 	2.4 When the entrance is wider than the unit, it is recommended to install two or more units in parallel. In this case, provide 20-40mm gaps between the units. 
2.5 Don't allow gaps between the unit and the wall. When hanging it from the ceiling, using the enclosed ceiling brackets. 	2.6 Don't install the unit in a place where it is splashed by water, exposed to excessive steam, explosive gas or corrosive gas. 

3、INSTALLATION

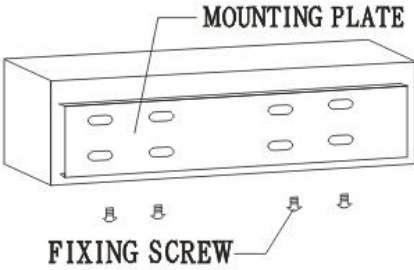
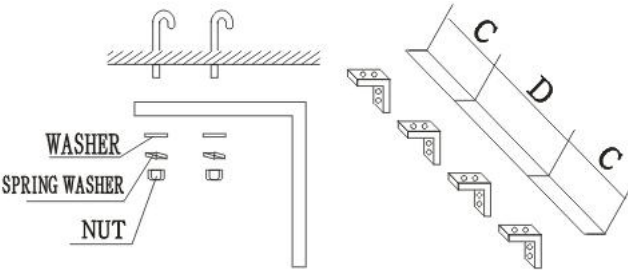
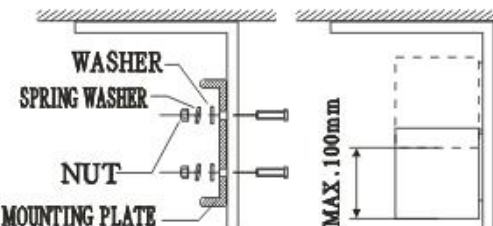
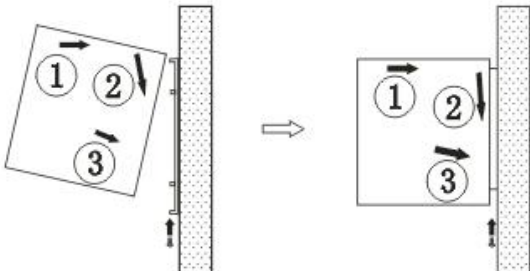
A、Installing on the concrete wall:

3.1.1 Removed the mounting plate Unclamping the fixed screws on the back of main body to removed the mounting plate. 	3.1.2 Fix the bolts in the proper position (Decide the position with the mounting plate and pour cement into the bolt holes.) 
3.1.3 When the cement has freeze, fit the mounting plate (use the washer and nut according to the following) 	3.1.4 Install the main body Set the main body onto the upper end of the mounting plate and clamp it as shown. 

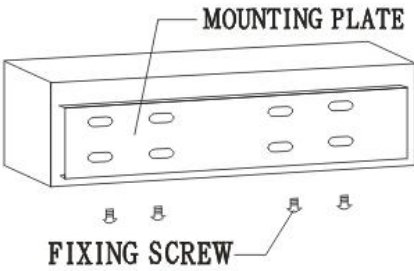
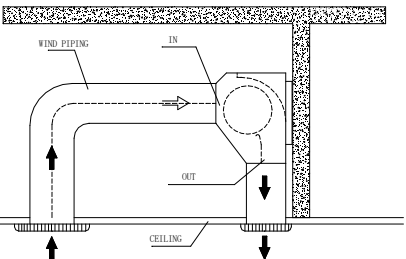
B、Installing on the wooden wall

3.2.1 Fix the mounting plate in the proper positions with tapping screw.  WOODEN SCREW MOUNTING PLATE	3.2.2 Same as the step 3 of A 
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C、Hanging from the ceiling

3.3.1 Remove the mounting plate from main body (Same as step3.1.1)  MOUNTING PLATE FIXING SCREW	3.3.2 Fixing ceiling brackets as Fig.  WASHER SPRING WASHER NUT
3.3.3 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.  WASHER SPRING WASHER NUT MOUNTING PLATE MAX. 100mm	3.3.4 Do the same as step A to install the main body. 

D、For above ceiling

3.4.1 Fix the air curtain as in the procedure for installing on the concrete wall.  MOUNTING PLATE FIXING SCREW	3.4.2 Then pipe as right Fig. Instructs.  WIND PIPING IN OUT CEILING
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4、 HEATED MODEL TECHNICAL PARAMETER

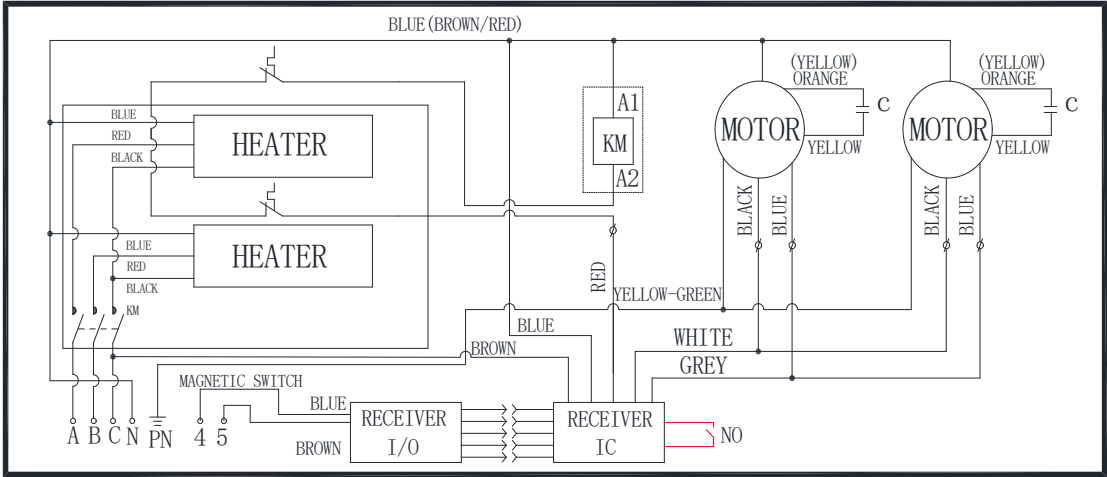
THREE PHASES

MODEL	Volt (V~)	Freq. (Hz)	Motor power (W)		Heater Power (KW)	Max.air speed (m/s)		Air volume (m³/h)		Noise (dB)	Net weight (Kg)
HEAT1-ES3-90-3PH	380	50	230	200	12	12	10	1980	1680	≤55	19
HEAT1-ES3-120-3PH			290	260	16			2690	2270	≤56	28
HEAT1-ES3-150-3PH			380	350	20			3390	2870	≤58	35.5
HEAT1-ES3-180-3PH			450	420	22			3680	3310	≤60	41
HEAT1-ES3-200-3PH			470	440	24			3680	3310	≤62	44

LINE SIZE

ITEM \ POWER	SINGLE PHASES (220V~, MAIN LINE:L、 N)			THREE PHASES (380V~ MAIN LINE:A、 B、 C、 N)				
	12	16	20	12	16	20	22	24
HEATER POWER (kW)	12	16	20	12	16	20	22	24
MAIN LINE (mm²)	≥10	≥16	≥20	≥3.0	≥3.5	≥4.0	≥6.0	≥6.0
EARTH LINE (mm²)	≥10	≥16	≥20	≥3.0	≥3.5	≥4.0	≥6.0	≥6.0

5、 Wiring Diagram



6、 OPERATION

6.1 Turn on the power switch

6.2 Select the best speed: High[H]、 Low[L]

6.3 According to using to adjust the grate to obtain the best effect.

7、 CAUTIONS

- a)、 Use the unit at the rate voltage and frequency indication on the nameplate.
- b)、 Disconnect power source before unit operation.
- c)、 Routing maintenance must be done every year.
- d)、 Never use petrol,benzese,thinner or any other such chemical for clearing the unit.
- e)、 Don't allow water or anything enter the motor.
- f)、 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.