

Installation manual of the blowout duct flange plate kit (For FDUT)

PJM012D034

Use this kit when connecting a duct which produces the static pressure of 10 Pa or more at the outside of unit. Replace the plate at the blow outlet of unit and connect the blowout duct according to the following procedure. The blow outlet assembled on the unit at the shipping from factory, is for a direct-blow and duct-less installation of the unit (static pressure of 10 Pa or less at the outside of unit).

When the application requires the static pressure of 10 Pa or more at the outside of unit, it is necessary to use this kit of which the dimensions of flange are enlarged at the blowout side.

⚠ CAUTION

- (1) Install the kit while the unit is placed on the floor.
It should not be attempted to install it after installation of the unit in place. Otherwise, it will become very difficult to install it because related sections could be deformed by the weight of unit.
- (2) Do not supply the electric power to the unit during the installation of the kit.
There is the risk of electrical shock or injury by being caught up with revolving parts, if it is attempted to install while the unit is operating or power is supplied to the unit.

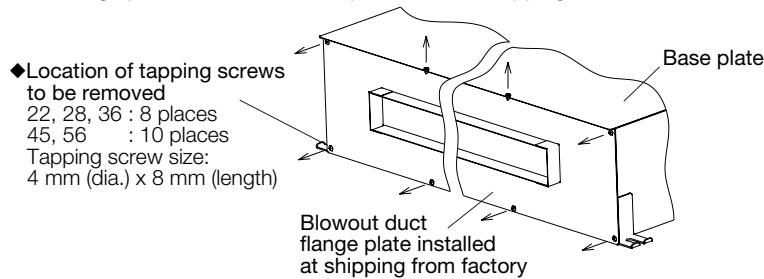
1. Applicable model of unit and type of blowout duct flange plate kit

Type of blowout duct flange plate kit	UT-DAS1E	UT-DAS2E
Model	FDUT22, 28, 36	FDUT45, 56

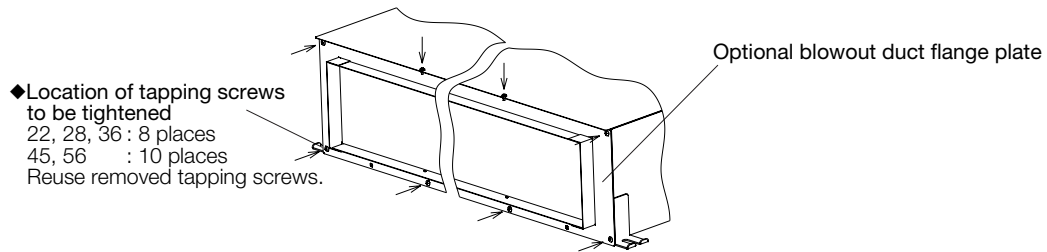
2. Installation procedure

(Figure shows the state that the unit is placed on a floor. Top and bottom are inverted after installing the unit.)

- (1) Place the unit as shown below. (Top and bottom are inverted from the state that the unit is installed in place.)
- (2) Remove the blowout duct flange plate from the unit. Keep the removed tapping screws to reuse later.

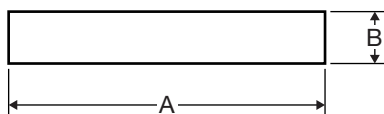


- (3) Install the optional blowout duct flange plate using the tapping screws removed at the step (2) above.
Take care not to damage the insulation when tightening the tapping screws.



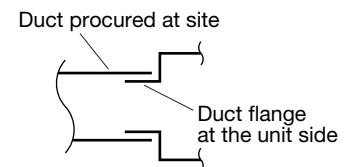
3. Caution and instruction for the duct work

- (1) Dimensions of the blowout duct flange of the kit are as shown below. Connect the duct according to these dimensions. Dimensions in the following table show the outside measurements of the flange. Install the duct, which has been procured at site, at the outside of flange, with care to prevent wind leakage.



Unit: mm

Model	A	B
22, 28, 36	162	732
45, 56	162	932



- (2) Determine the length of duct by calculating the pressure loss, taking into consideration component parts at the suction and blowout sides. Total static pressure at the outside of unit should not exceed the figures shown in the following table.

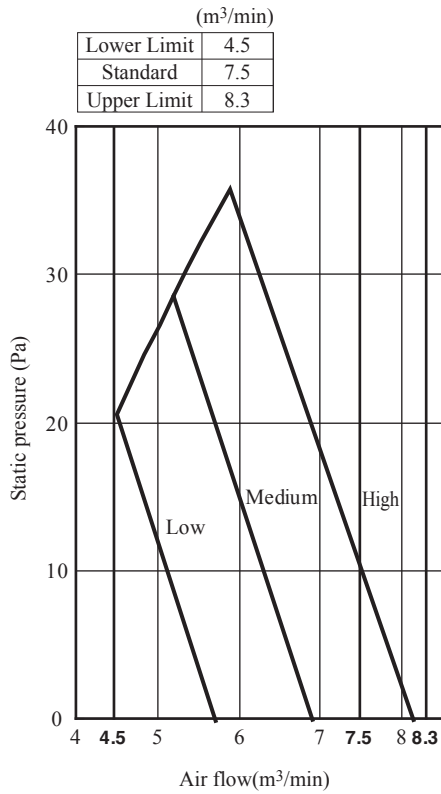
Unit: Pa

Model	Max. static pressure at outside of unit
22, 28, 36	35
45, 56	50

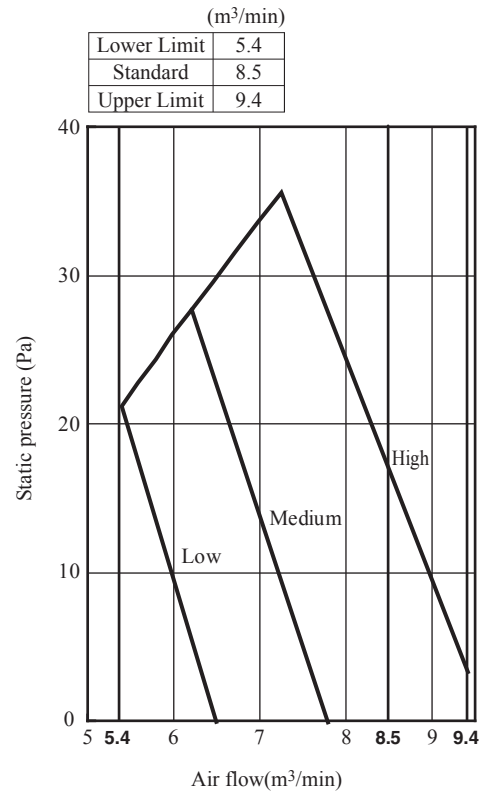
- (3) For models 22, 28 and 45, the setting for high ceiling can be made using the remote controller.

Characteristics of fan

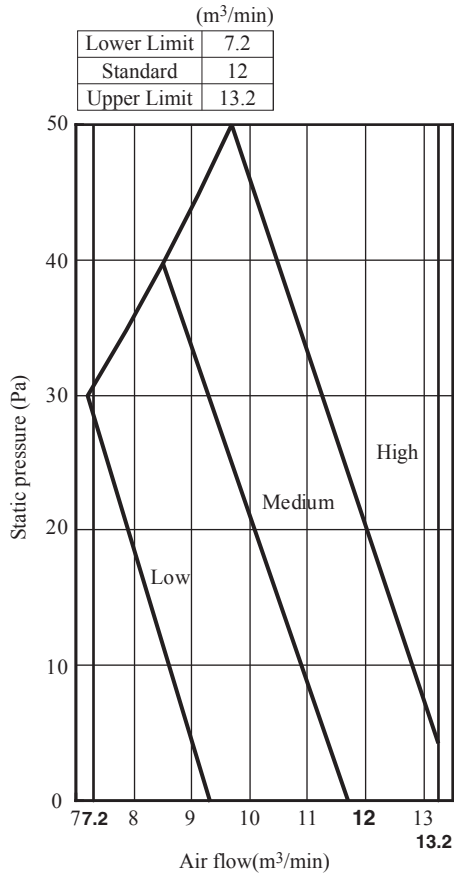
(1) Models FDUT22,28KXE6D (UT-DAS1E)



(2) Model FDUT36KXE6D (UT-DAS1E)



(3) Model FDUT45KXE6D (UT-DAS2E)



(4) Model FDUT56KXE6D (UT-DAS2E)

