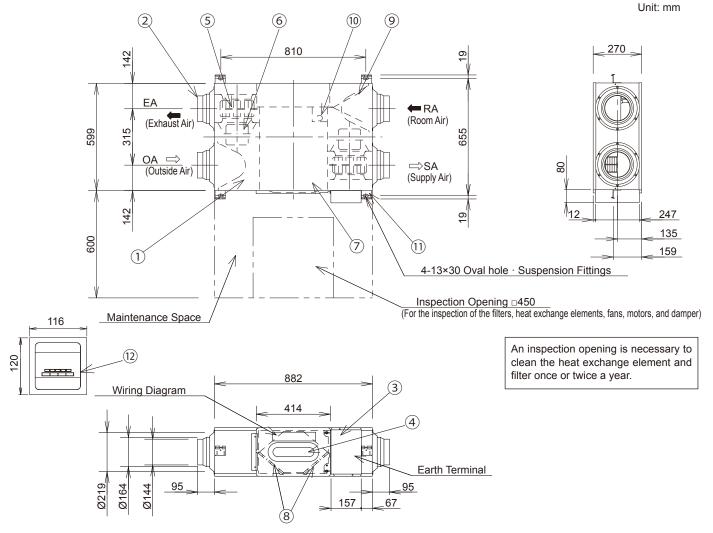
2. DIMENTIONS

2-1. UTZ-BD025C



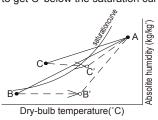
NO.	Parts Name	Qty.	Material	Remarks
1	Frame	1	Galvanized sheets	
2	Adapter	4	ABS	
3	Electrical Equipment Box	1		
4	Inspection Cover	1	Galvanized sheets	
5	Fan	2	ABS	
6	Motor	2		
7	Heat Exchange Element	1	Special paper + Resin	
8	Filter	2	Nylon-Polyester Fiber	Collection Efficiency AFI 82%
9	Damper	1		
10	Damper Motor	1		
11	Ceiling Suspension Fixture	4	Galvanized sheets	
12	Energy Recovery Ventilator Remocon	1		

■ BE CAREFUL OF DEWING AND FROSTING

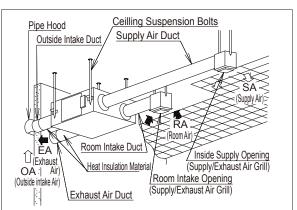
As shown in the Figure, suppose a high temp absorbing air condition A and a low temp absorbing air condition B are plotted on the air line figure, then a high temp air A is heat-exchanged by the unit and goes out of the saturation curve as shown by Point C.

In this case, the unit will be dewed or frosted.

To aboid this, you are required to heat a low temp air B up to B' so as to get C' below the saturation curve, before using the unit.



■ REFERENCE SKETCH



The two outside ducts(the Outside Intake Duct and the Exhaust Duct)must be insulated to prevent condensation. (Material; Glass wool, Thickness; 25)

- * Duct size (Nominal Diameter): ø150
- ** The above dimensions do not include the thickness of the insulasion material on the unit body.

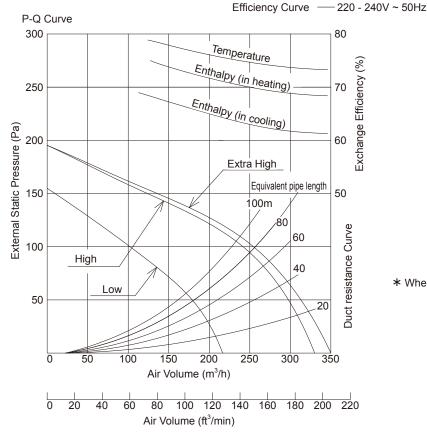
■ SPECIFICATIONS

RGY RECOVERY TILATORS

	Power Source	Notch	Frequency	Heat Exchange Ventilation							Normal Ventilation						
Model No.				Input	Current	Air Volume	External Static Pressure	Temperature Exchange Efficiency		nalpy ange ncy (%)	Noise	Input	Current	Air Volume	External Static Pressure	Noise	Product Weight
			(Hz)	(W)	(A)	(m³/h)	(Pa)	(%)	Cooling	Heating	(dB)	(W)	(A)	(m³/h)	(Pa)	(dB)	(kg)
	220-240V a.c.	Extra High	50	112-128	0.51-0.53	250	105	75	63	70	30.0-31.5	112-128	0.51-0.53	250	105	30.0-31.5	
BD025C		High	50	108-123	0.49-0.51	250	95	75	63	70	29.5-30.5	108-123	0.49-0.51	250	95	29.5-30.5	29
223200		Low	50	87-96	0.40-0.41	190	45	77	65	72	23.5-26.5	87-96	0.40-0.41	190	45	23.5-26.5	

^{*} This noise of the product is the value which was measured at the acoustic room. Actually, in the established condition, that undergo influence by the echoing of the room and so that become bigger than the display numerical value.

■ PERFORMANCE



* When friction coefficient of pipe (duct) : λ =0.02

Use conditions

Outdoor air conditions

Temperature range -10° C $\sim 40^{\circ}$ C Relative humidity 85% or less

Indoor air conditions

Temperature range -10° C $\sim 40^{\circ}$ C Relative humidity 85% or less

Installation requirements

living rooms.

Same as the indoor air conditions
* Indoor air here means air in air-conditioned

Its use in refrigerators or other places where temperature can fluctuate greatly is prohibited even if a temperature range is acceptable.

Example Indoor a

Indoor air conditions

During cooling period Temperature 27°C Relative humidity 50%

During heating period Temperature 20°C Relative humidity 40%

■ MOTOR SPECIFICATIONS

Туре	4 Poles open type induction motor					
Rating	Cont.					
Insulation Class	class B					
Temperature Rise	under 80 K					
Sorrounding Temperature	-10°C ~ 40°C					
Insulation Resistance	over 1MΩ (by DC500V)					
Withstand Voltage	AC 1,500V for 1min					
Input (Reference)	56-64 W (220-240V)					
Output (Reference)	20 W (220V)					
Diameter	Ø82 mm					
Weight	2.1 kg					
Lot 11	Not Applicable (Below 125W)					

- The Input, the current and the exchange efficiency are values at the time of the mentioned air volume.
- The noise level shall be measured 1.5m below the center of the unit.
- The temperature exchange efficiency averages that of when cooling and when heating.