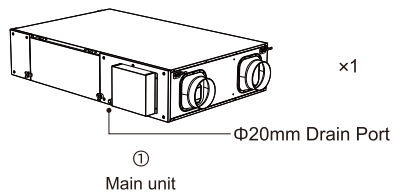


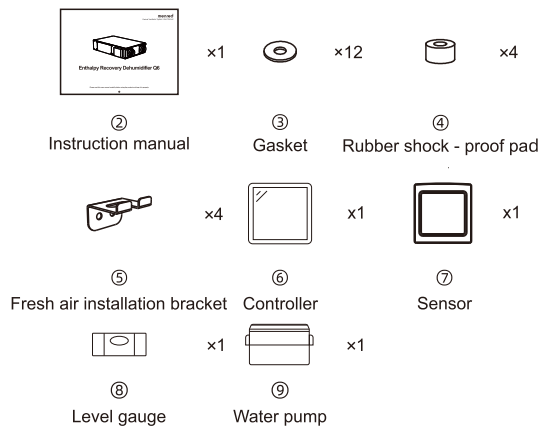
Enthalpy Recovery Dehumidifier Q6

Please read this user manual carefully before using the product and keep it in properly.

Packing List



Unit(PCS)



To Our Esteemed Customers

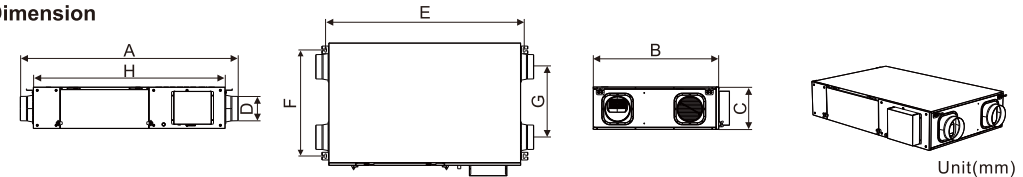
Must - read for Users

- Please read this manual carefully before installing and using the product, and keep it properly for future reference.
- 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 are under the supervision or instruction of a person responsible for their safety, and have been instructed in the use of the appliance.
- Children shall be supervised to ensure that they do not play with the appliance.
- If the power cord is damaged, to avoid hazards, it must be replaced by the manufacturer, its service agents or qualified professionals.
- For duct fans and through-wall fans, special attention shall be paid to prevent gas backflow into the room from open air ducts and other fuel-burning appliances.
- Always disconnect the power supply before any maintenance or repair work. Unauthorized personnel shall not attempt to adjust or repair the product.
- For details on equipment installation and maintenance instructions, see Page 5; for filter replacement instructions, see Page 6.
- For fans intended for elevated installation, the blades shall be at least 2.3 meters above the ground.
- MENRED shall not be liable for any consequences arising from improper installation of this product. Only professionals authorized by our company are allowed to install MENRED ventilation equipment.
- If the user performs self-installation of the product, or uses self-provided installation materials, MENRED shall not be liable for any consequences and losses including, but not limited to, duct leakage, equipment falling, poor installation that impairs the normal operation and performance of the product, as well as adverse effects or damage to the product itself.
- After installation and commissioning, the user shall regularly inspect and perform necessary maintenance according to usage conditions. In case of any abnormality, contact the company's after-sales service department for repairs to ensure safe and reliable operation of the product.
- The filter shall be inspected and replaced regularly. Consumers can call the service hotline to schedule on-site inspection and replacement by our service personnel. The recommended inspection interval is 6 months.
- Please read this manual carefully and keep it properly before using or maintaining the product for future reference.

Notes:

- Failure to comply with the instructions in this manual may result in property damage, personal injury or even death.
 - Test-run the device immediately after installation to check for any damage incurred during transportation that may affect its normal operation.
- Warning: The power socket must be properly grounded before powering on the product. Do NOT operate the product without reliable grounding. For ceiling-concealed installation, the accessible or removable ceiling area below the installation position must be larger than the product dimensions to facilitate future maintenance or replacement. Integrated ceiling is recommended for the installation position. MENRED shall not be liable for any consequences if the maintenance opening is not reserved in accordance with this manual.

Dimension



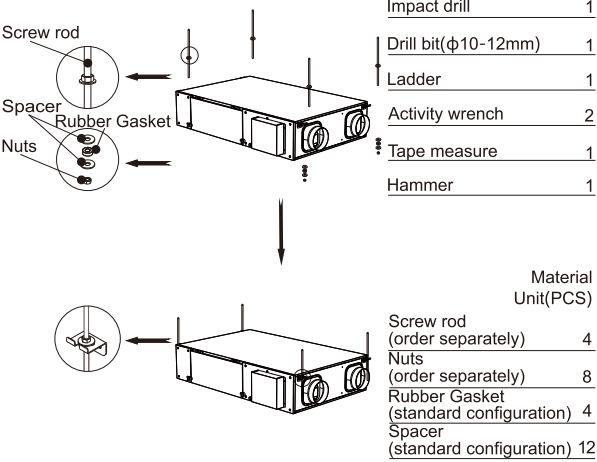
External Dimensions Table								
Model	A	B	C	ΦD	E	F	G	H
Q6	1420	800	270	160	1295	695	460	1250

Performance parameters

Model	Q6	Dehumidification power(W)	560(27°C/60%RH)
Voltage	220V~ 50Hz	Internal circulation dehumidification capacity(L/D)	26(27°C/60%RH)
Max. air volume(m³/h)	500	Dehumidification power(W)	660(30°C/80%RH)
Rated air volume(m³/h)	300	Internal circulation dehumidification capacity(L/D)	42(30°C/80%RH)
Rated power of fresh air(W)	73	Dehumidification power(W)	620(30°C/80%RH)
Heating enthalpy exchange efficiency(%)	65	Energy recovery dehumidification capacity(L/D)	80(30°C/80%RH)
Cooling enthalpy exchange efficiency(%)	57	The external residual pressure of the fresh - air and exhaust - air fans(Pa)	100*/80*
The maximum working pressure of the heat exchanger(MPa)	3.8	The maximum allowable pressure on the high - pressure side and low - pressure side(MPa)	4.2/1.2
The maximum working pressure on the suction - exhaust side(MPa)	1.2/3.3	Refrigerant / charging amount	R410A/330g
Filtration efficiency(%)	97	Noise(dB(A))	34
Weight(kg)	83		

Note: if the design changes, the data in the above table will change without further notice. The accurate data is subject to the actual product.

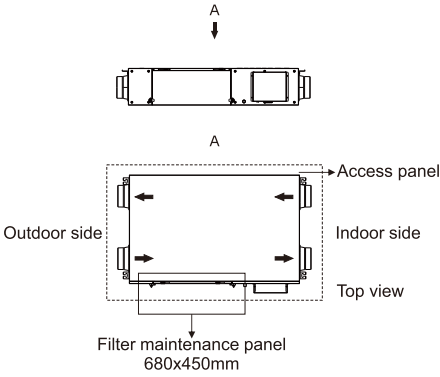
Installation of local details



Installation steps:

- 1. Drill holes on the ceiling according to the dimensions marked EF on page P4, and install the screw rods and fix them on the ceiling.
- 2. Install the equipment on the ceiling with screw rods, washers, rubber pads, and nuts in the order shown in the diagram. After installation, connect the wires and power on for operation.

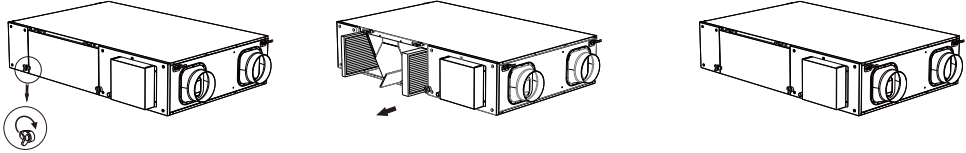
Maintenance



Q6 maintenance port size should be approximately larger than the machine size. In order to facilitate the maintenance and replacement of the whole machine, it is recommended to be installed in the removable ceiling. The filter cleaning and maintenance port can be opened on the door side of the machine, with a size of approximately 680x450mm (to ensure that the filter can be removed and replaced properly).

Filter replacement

- 1. Open the door panel as shown in the figure.
- 2. Take out the filter and replace it in the direction shown in the figure.
- 3. Put the new filter into the corresponding slot and close the filter maintenance panel.



Filter function introduction

Name	Class	Quantity	Maintenance method	Maintenance period
Mesh	G2	2	Wash	1 month
Coarse filter	G4	1	Replace	6 months
High efficiency filter	H13	1	Replace	6 months

Mesh: effectively block large particles such as mosquito, willow, leaves, etc.
Coarse filter: effectively block particles greater than PM10.
High efficiency filter: effectively filter PM2.5 particles.

Wiring diagram

