H-Pack
Installer quick guide

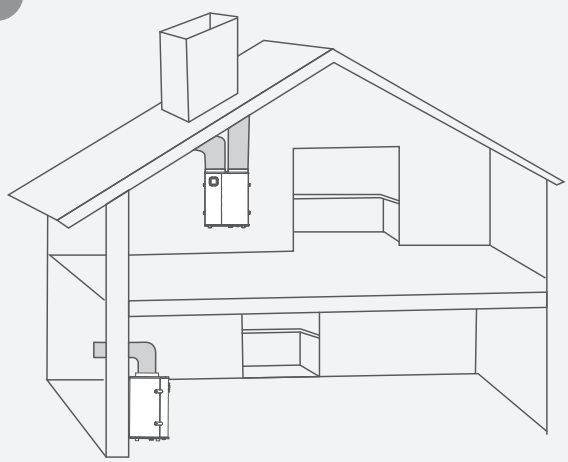
Ask qualified professional to perform the installation of this unit in accordance with local national regulations and this manual. Improper installation may result in water leakage, electric shock or fire.

MODEL NUMBER
EU-HSR50N7-H1

Notices: Before using this product, please read this manual carefully and keep it for future reference.
The design and specifications are subject to change without prior notice for product improvement.
Consult with your dealer or manufacturer for details.
The diagram above is just for reference. Please take the appearance of the actual product as the standard.

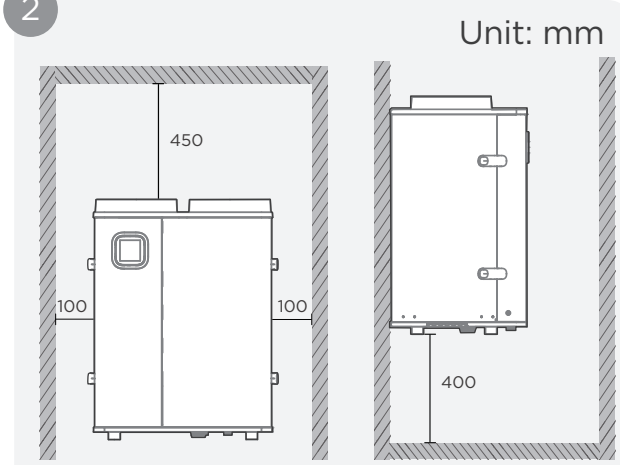
Preliminary work

1



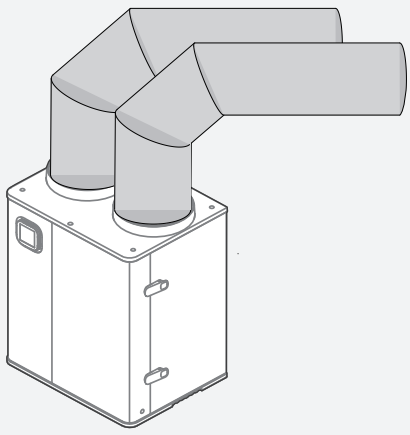
Suitable place
Find a suitable place where room size, air ducts and hydraulics can be fulfilled.

2



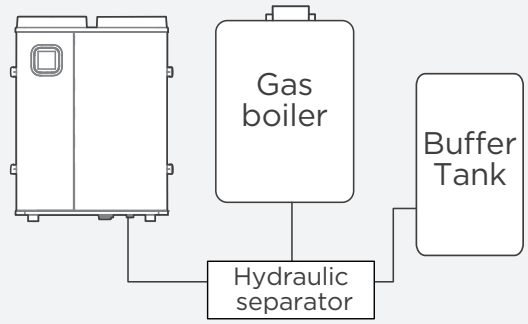
Room size
Compliance with the minimum required distances.

3



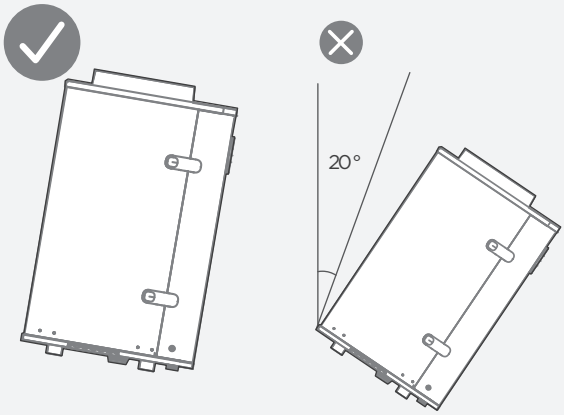
Air ducts
Air ducts as short as possible.
Duct diameter: 250 mm
Duct length max: 16 m
Number of bows: 6

4



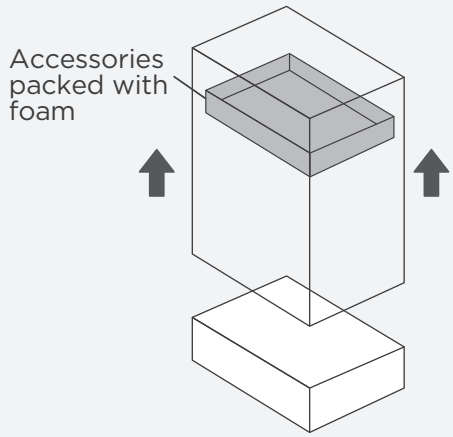
Hydraulics
Integration in customer hydraulic.

5



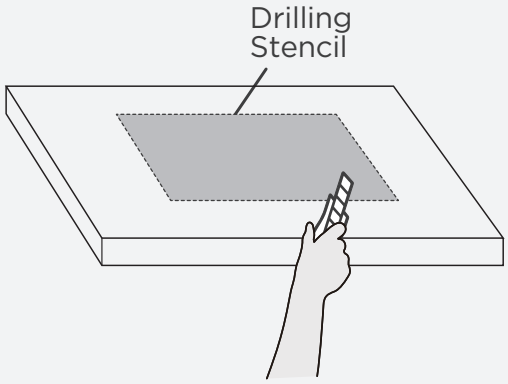
Transportation
Transportation without tilting angle > 20 °.
CAUTION: Flammable Refrigerent R290 A3.

6



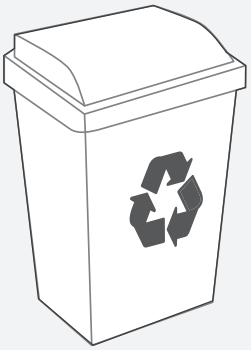
Accessories
Remove all accessories from package.

7



Drilling stencil
Cut the drilling stencil out of the Packaging .

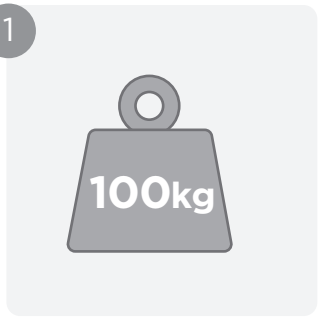
8



Recycle
Recycle the package according to your local rules.

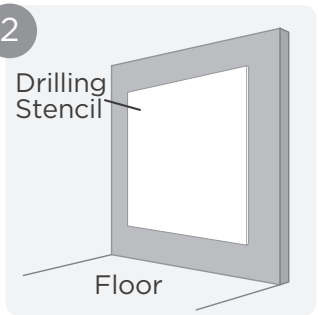
Heat pump installation

1



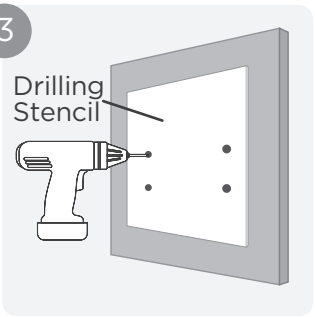
Ensure the wall is capable for the weight of at least 100 kg.

2



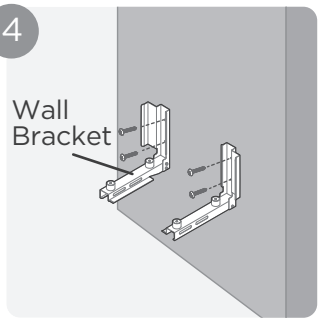
Fix the drilling stencil for the wallbracket.
Lower hole 835 mm from floor.
Higher hole 960 mm from floor.

3



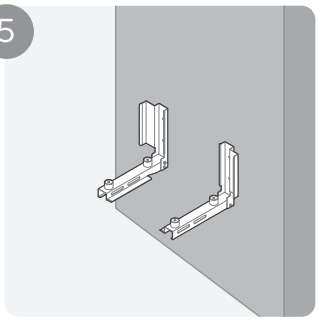
Drill the holes with the drilling stencil.
Use the right drill accordingly.
Hole size: Ø10mm
Hole deepth: 5-10mm longer than expansion bolts

4



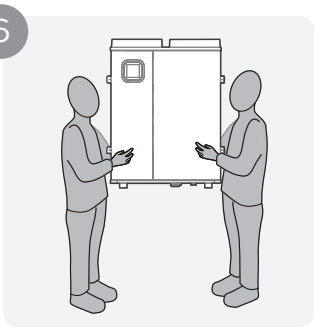
Use suitable dowels and screws for the load of the heat pump and the kind of wall.
Recommended expansion bolts is M8×80mm.

5



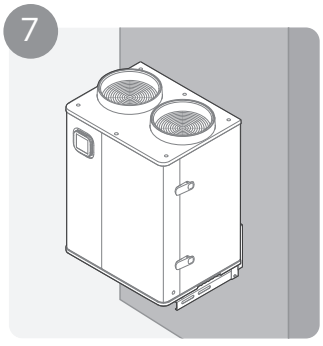
Mount the wall braket.

6



Lift the heat pump with at least two person on the bracket and align in the middle.
NOTE: Do not grasp the four Latch during transportation.

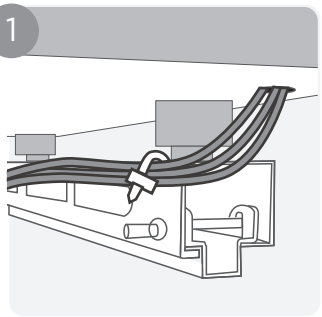
7



Fix the heatpump feet on the bracket with the included screws, use torque of 7.8 N·m.

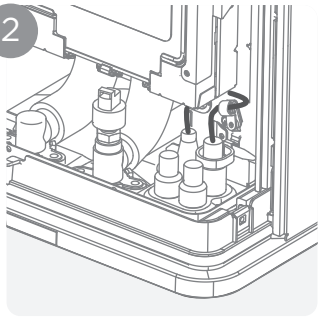
Electrical Installation

1



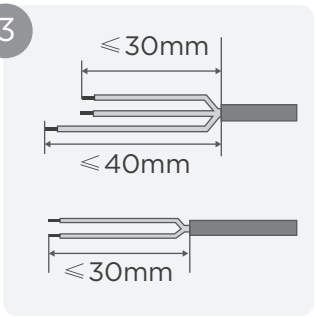
Lay cables for external devices such as the signal line to the gas heater, 3-way valve, water pump under the heatpump.

2



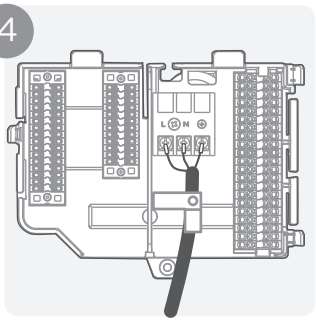
Pull all cables through the cable gland. Afterwards close the cable gland with cable ties.
It is recommended to specify that high voltage cables and low-voltage cables should be routed separately, as the circuit design is safety isolated.

3



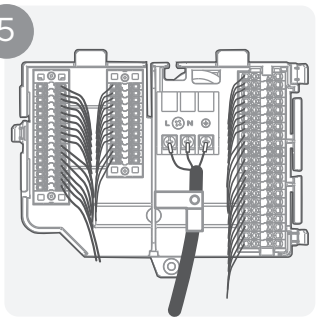
Remove the cable insulation from the power supply and signal cables as shown in the illustration.
Recommended power cord mode is H05VV-F (Size: 3X1.5mm[2])

4



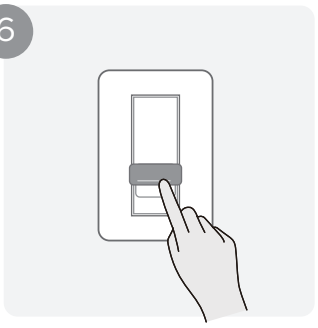
Pull the cable ends in the terminal board. Ensure it will be closed properly. To prevent it from being pulled off under force, please use wire clips to secure the power cord.
NOTE: The wire clips must be fixed with screws.

5



Connect external devices to quick connector board. For detailed explanation see installer manual.

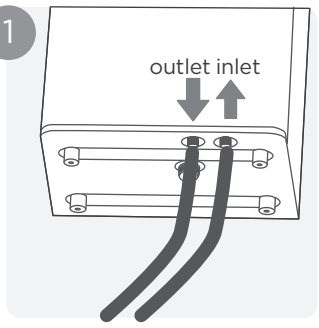
6



Ensure electrical house installation is according to national rules.
For example fuse and Fi switch.

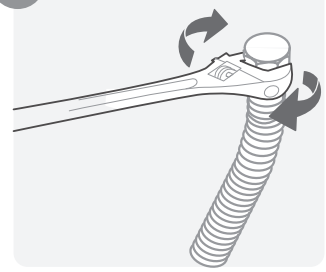
Hydraulic installation

1



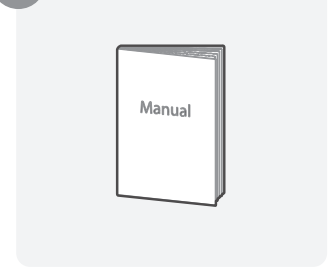
Connect the flow and return pipes according to the markings.

2



Ensure the right torque and correct sealing according to the used water connector. Use torque of 25~26 N·m.

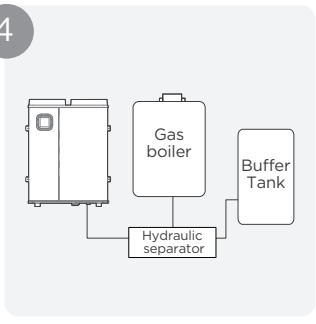
3



Ensure the water quality is according the installer manual.

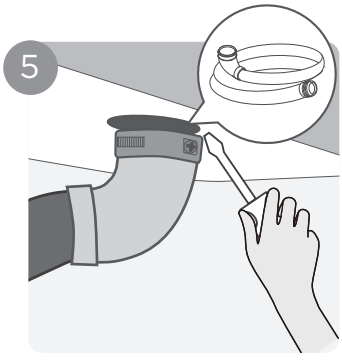
Water quality	Unit	Value
Conductivity	μS/cm	⩽2500
PH-value		⩽6.5~9.5
Chloride	ppm	⩽250
Sulphate	ppm	⩽250
Sodium	ppm	⩽200

4



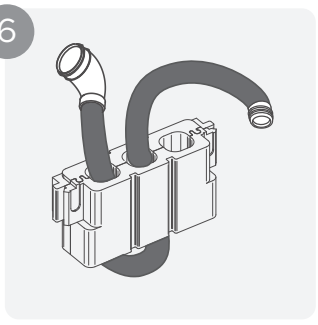
Ensure the hydraulic system is correctly and completely bled.
Max water pressure: 3 bar
Min water pressure: 1 bar

5



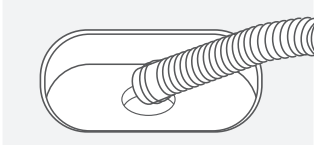
Ensure the syphon is properly connected to the heat pump.
NOTE: The syphon is safety relevant.

6



The syphon must be secured with anti-siphon foam.

7



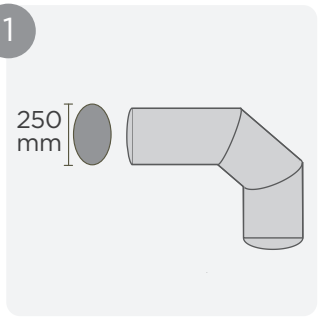
Ensure the siphon is connected to the waste water system and carefully sealed.

NOTE: If the installation location of the unit or the route of the siphon be exposed to sub-zero temperatures, ensure the siphon is adequately insulated to prevent freezing and blockage.

Air ducts

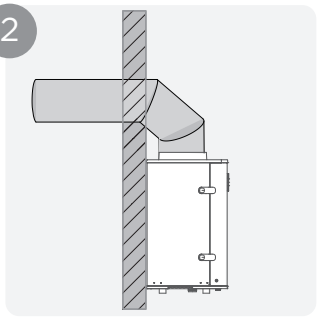
NOTE: Various possibilities to install air dutcs are possible according to conditions on customer side. Take into consideration to keep the pressure loss as low as possible.

1



The hole in the wall must have a sufficient diameter for a duct diameter of 250 mm.

2

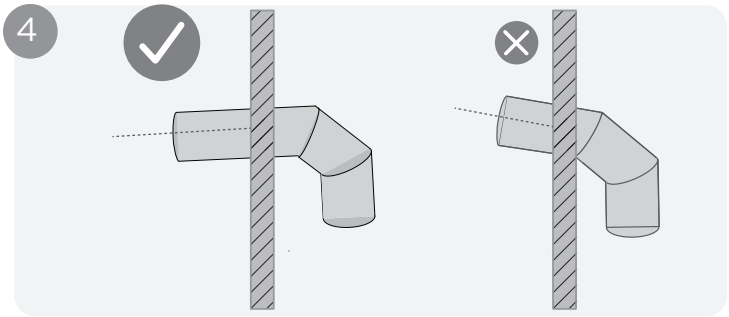


Laying the air ducts to the outside as directly as possible.
NOTE: The gap between the ducts and the wall must be properly sealed.

3

Use spiral ducts or flexible ducts.
NOTE: The ducts must be insulated.

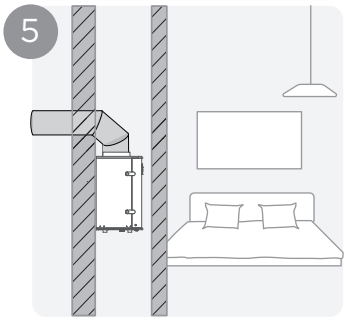
4



Ensure the angle between wall and air duct as seen on the left side. To avoids rain water flowing into the heatpump.

NOTE: If it cannot be guaranteed or there is a risk of rainwater ingress, please add rain caps or other rainwater prevention measures.

5



Do not fix the air ducts on walls or room ceilings which are next to sleeping rooms.

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Installer quick guide

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