

# Quick Installation Guide

Step 1: Check accessories and unit

Step 2: Read the safety and installation precautions carefully

Step 3: Select the installation site

Step 4: Check the foundation and installation requirements

Step 5: Installation of outdoor unit connecting pipes

Step 10: Turn over to customer

Step 9: Final inspection and Test run

Step 8: Wiring

Step 7: Drainage kit installation

Step 6: Filling water

## Step 1: Check accessories and unit



Copper nut x2  
Expansion bolt x3



Sensor x1



Y-filter x1



Outdoor Drainage elbow x1



Wall bracket x1



Wired controller manual x1  
Installation and owner's manual x1  
Technical data manual x1  
Energy label x1

## Step 2: Read the safety and installation precautions carefully



### WARNING

- All the activities described in this guide must be carried out by licensed technicians. Read the attached manuals carefully before installation.



**Danger: Risk of burns/scalds**  
Indicates a condition that may result in burns/scalds due to extreme heat or cold.



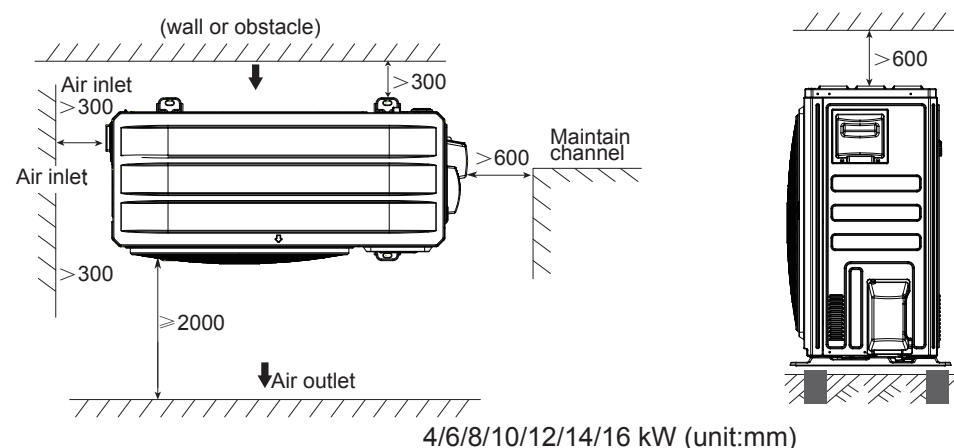
**Hazard: Electric shock hazard**  
Indicates a condition that may result in electric shock.



**Risk of fire**  
flammable materials

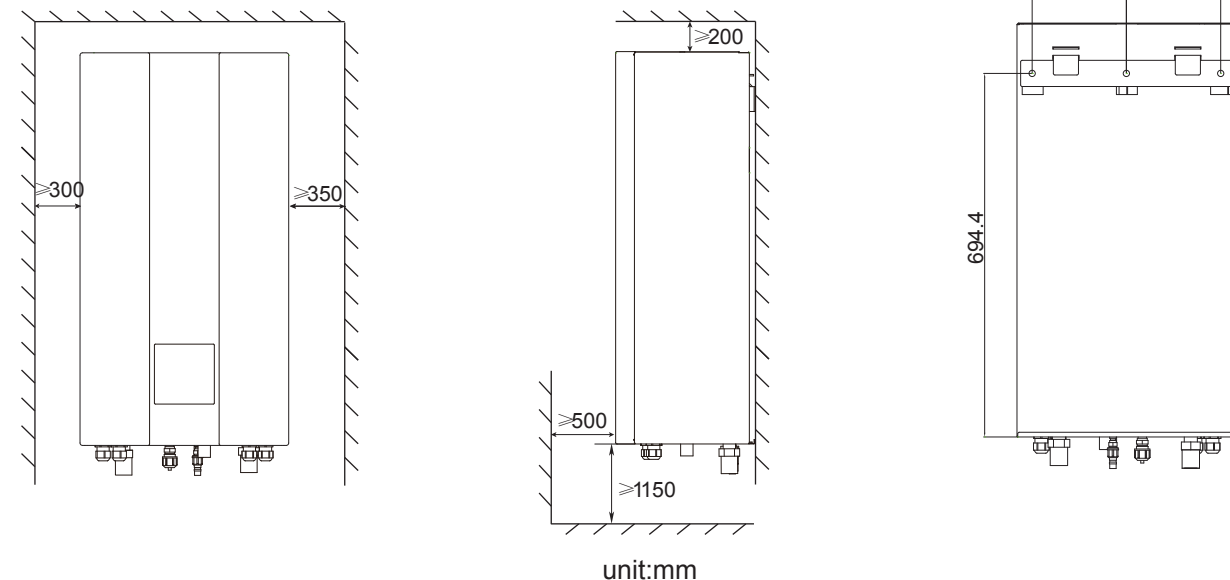
## Step 3: Select the installation site

- In normal condition, refer to the figures below for installation of the unit.
- For cold climate and more detailed notes, please refer to installation manual.



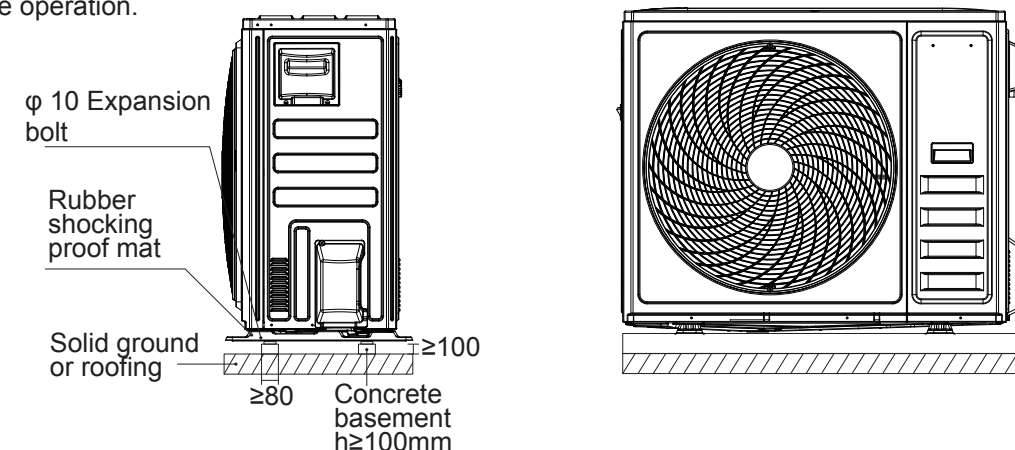
### WARNING

- When the refrigerant charge in appliance is more than 1.842kg, more requirement should be complied with, please refer to installation manual, contents NO.9.

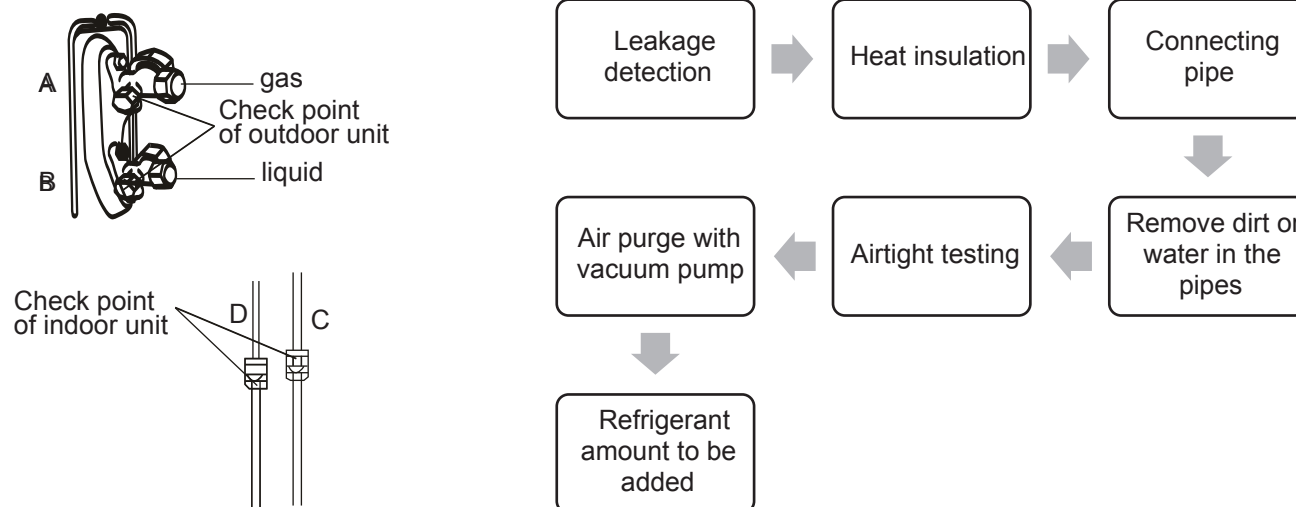


## Step 4: Check the foundation and installation requirements

- Check the strength and level of the installation ground so that the unit may not cause any vibrations or noise during the operation.



## Step 5: Installation of outdoor unit connecting pipes



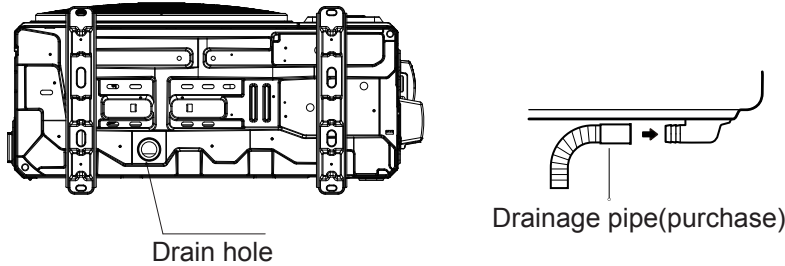
Refrigerant to be added	Model	Total liquid pipe length L(m)	
		≤15m	>15m
Total additional refrigerant	4/6kW	0g	(L-15)×20g
otal additional refrigerant	8/10/12/14/16kW	0g	(L-15)×38g

### Step 6: Filling water

- Open the automatic air purge valve, turn it counterclockwise for 1.5-2 turns to release air from the system.
- Connect the water pipes according to the label attached below.

## Step 7: Drainage kit installation

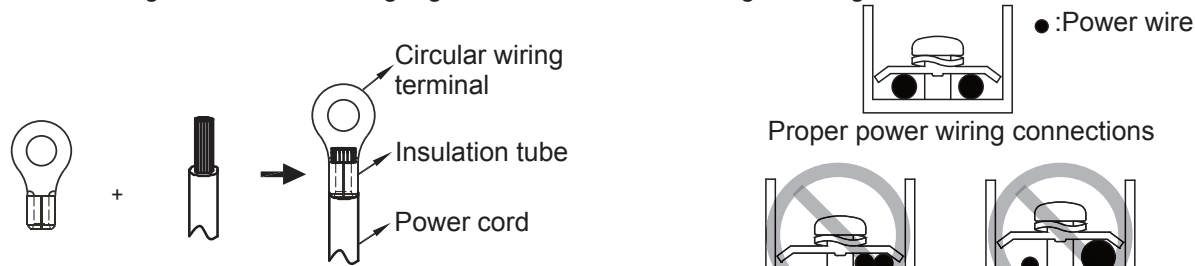
- If a drain pipe is required, connect the drain pipe to the drain kit as shown in the picture.
- If not,there is noneed to install the Drainage kit.



## Step 8: Wiring

### 8.1 Precautions on wiring of power supply

- When connecting wires of the same gauge, connect them according to the figure below.

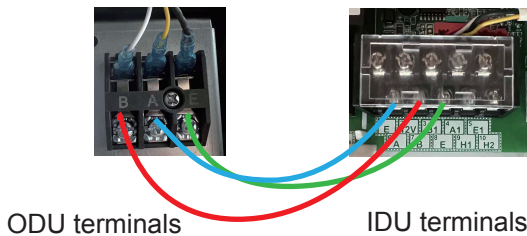


### 8.2 Precautions on wiring of power supply

- Indoor unit wringsize:2.5 mm<sup>2</sup>

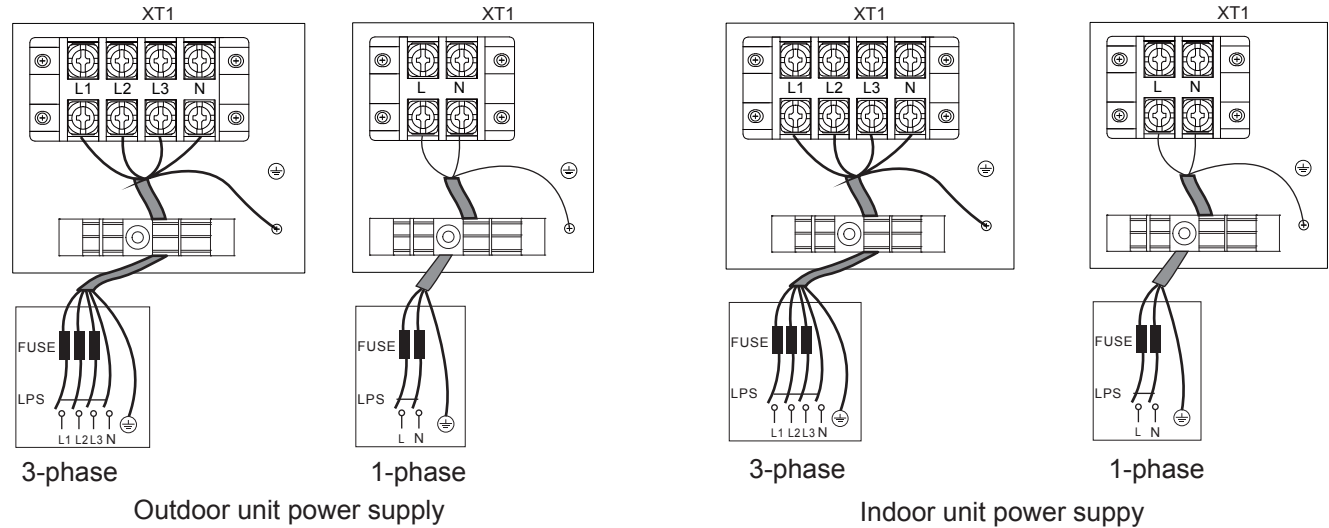
Unit	Maximum overcurrent protector(MOP)(A)	Wiring size(mm²)
4-6kW 1-PH	25	4.0
8-10kW 1-PH	25	4.0
12-16kW 1-PH	40	6.0
12-16kW 3-PH	25	2.5

- Comm-port of indoor unit and outdoor unit



### 8.3 Equipment main power supply wiring

- Power Supply Wiring needs to be routed through pipelines or walls.



### 8.4 Connection for other components

- Please refer to installation manual 7.2.6,for more detailed.

CN32															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TBH	SL1	SL2	1ON	1OFF	2ON	2OFF	3ON	IBH1	N	N	N	N	N	N	N

CN31															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MV1	MV2	P_O	P_M	P_T	P_S	P_R	AHS1	N	N	N	N	N	N	N	N

CN33									
1	2	3	4	5	6	7	8	9	10
E	12V	B1	A1	E1	A	B	E	H1	H2

Print	Connect to	Print	Connect to	Print	Connect to		
TBH	Water tank electric heating	4OFF	3-way valve 4	A	Internal and external comm-port		
N		4ON		B			
IBH1	Backup electric heating	N		E			
N		MV1	12V	Wire controller comm-port			
SL1	Solar energy signal port	MV2	B1				
SL2		N	A1				
1OFF	3-way valve 1	P_O	Zone 1 pump	E1	Indoor unit cascade comm-port		
1ON		N		H1			
N		P_M	Zone 2 pump	H2			
2OFF	3-way valve 2	N		E	Indoor unit power supplier		
2ON		P_T	Zone 3 pump	XT1			1-PH
N		N					L N
3OFF	3-way valve 3	P_S	Solar energy water pump				3-PH
3ON		N					L1 L2 L3 N
N		P_R	Domestic hot water pump				
		N					

## Step 9: Final checks and test run

- Before switching on the unit, please check the complete installation and all necessary settings have been carried out.
- If required, the installer can perform a manual test run operation at any time to check correct operation of air purge, heating, cooling and domestic water heating, refer to “ MENU>PARAMETERS CONFIG> 3.SPECIALFUNCTION> 1.TRIAL OPERATION FUNCTION> 1.CHECK AND TEST

PARAMETERS CONFIG	1/1
1.CONFIG PARA-SETTING	
2.SYSTEM PARAMETERS	
3.SPECIAL FUNCTION	
4.MODIFY PASSWARD	
5.RESET	
6.RESTORE FACTORY PASSWORD	
OK	△V<> BACK

SPECIAL FUNCTION	1/1
1. TRIAL OPERATION FUNCTION	
2.FORCE DEFROST	OFF
3.RECYCLE REFRIG	OFF
OK	△V<> BACK

TRIAL OPERATION FUNCTION	1/1
1. CHECK AND TEST	
2.AIR EMPTYING TEST	OFF
3.PUMP TEST	OFF
4.COOL TEST	OFF
5.HEAT TEST	OFF
6.HOT WATER TEST	OFF
OK	△V<> BACK

## Step 10: Turn over to customer

- The owner's manual must be turned over to the customer. Explain the contents in the owner's manual to the customers in details.