

X-MULTI INSTALLATION

Technical service department

Mr. Luo Yanwu

1)Installation tools

2)Installation material

3)Installation procedure







4)Test report

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Installation tools







N0.	Tool	Photo	N0.	Tool	Photo
1	Measure ruler		4	Hacksaw	
2	Drill (Diameter 60mm)		5	Spanner (14/17/19/24mm)	
3	Hammer		6	Gradienter	

N0.	Tool	Photo	No.	Tool	Photo
7	Pipe cutter		10	Pipe expander (flare pipe)	
8	Scraper		11	Pipe bender	
9	Nitrogen gas		12	Adhesive tape	

Installation tools

NO.	Tool	Photo	No.	Tool	Photo
13	Torque spanner		16	Welding rod	
14	Shift spanner		17	Oxygen gas	
15	Welding torch		18	Ethyne gas	

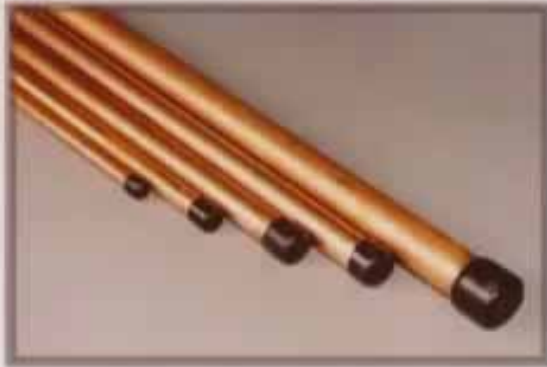
N0.	Tool	Photo	No.	Tool	Photo
19	Screw driver		22	Multi-meter	
20	Drainage pipe Glue		23	Pressure-meter Max. HP 5.3MPa Max. LP 3.8MPa	
21	Pincers		24	Leakage-checker	

No.	Tool	Photo	No.	Tool	Photo
25	Vacuum pump (50L/min(50Hz) , Vacuum degree <-755mmHg); with check valve		28	Vacuum check valve	
26	Refrigerant R410A		29	CCL4 (clean the refrigerant pipe)	
27	Electric balance		30	Knives	

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Straight pipe



Curly pipe



Bond /adhesive tape



heat preservation material



Accessories

Mode	Wire clamp	User manual	Elbow	quakeproof cushion
AU182XFERA	1	1	1	4
AU222XFERA	1	1	1	4
AU252XGERA	1	1	1	4
AU282XHERA	1	1	1	4
AU342XHERA	1	1	1	4
AU362XHERA	1	1	1	4

Accessories

Mode	Infrared controller	Infrared controller bracket	Wired controller	Battery	User manual	Drainage pipe	Heat insulation pipe	Copper cap	Guard ring	Pipe adaptor	Others
AS072XVERA	√	√		√	√	√		2	1		bolt jacket(4), dustproof cover(1)
AS092XVERA	√	√		√	√	√		2	1		
AS122XVERA	√	√		√	√	√		2	1		
AS182XVERA	√	√		√	√			2	1	1	bolt jacket(4)
AB092XCERA	√	√		√	√		2	2			wire clamp(4), drainage tube(1), Hoop(1), short connected wire(1)
AB122XCERA	√	√		√	√		2	2			
AB142XCERA	√	√		√	√		2	2		1	
AB182XCERA	√	√		√	√		2	2		1	
AC142XCERA	√	√		√	√	√	2	2		1	wire clamp(4), wallboard(2), short connected wire(1)
AC182XCERA	√	√		√	√	√	2	2		1	
AF092XCEAA	√	√		√	√			2	1		Bolt jacket(4)
AF122XCEAA	√	√		√	√			2	1		
AD092XLERA			√		√			2			rubber loop(2), wire clamp(2)
AD122XLERA			√		√			2			
AD142XLERA			√		√			2		1	
AD182XLERA			√		√			2		1	

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Installation procedure



Building photo

Building address:

Unit install site:



Outdoor unit photo

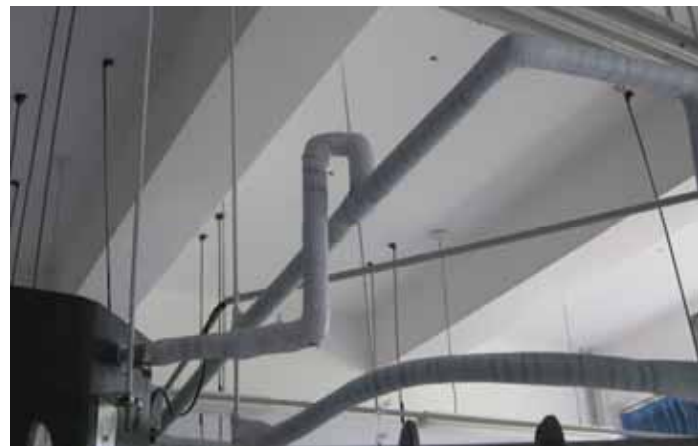
Model:

Maintain space: enough

Outdoor unit base: Three-legged hob.

Outdoor unit fix up: bolt, quakeproof cushion.

Installation procedure



Indoor 1 photo

Model:AB092XCERA
Install site: Meeting room
Drainage pipe brand:
Drainage pipe out diameter :PVC32mm
Drainage pipe grade:1/100
Drainage pipe Steeve distance:1-1.5m
Drain-head height:600mm
Maintain space:400*400mm



Indoor 2 photo

Model:AC142XCERA
Install site:
Copper brand:
Copper steeve distance:1-1.2m

Installation procedure



Indoor 3 photo

Model:AD092XLERA
Install site:
Maintain space site:
Air inlet size:
Air duct length:
Air inlet and outlet style:



Indoor 4 photo

Model:AS072XVERA
Install site:
Heat preservation material brand:
Heat preservation material thickness:15mm

Installation procedure



Indoor 5 photo

Model:AF092XCERA

Install site:



Wiring photo

Outdoor power wire:3*(5-8)mm²

Indoor power wire:3*(1-2.5)mm²

communicate wire:2*(0.75-1.5)mm²(shiled wire)

Installation procedure



Weld photo

Weld: with 0.2kgf/cm² nitrogen gas



Leakage test

Pressure: 40kgf/cm² nitrogen gas

Pressure time: 24hours

Pressure change:

Installation procedure



Vacuum

Vacuum time:2 hours
Vacuum degree:<-760mmHg



Additional refrigerant

Additional refrigerant type:R410A
Additional refrigerant volume:

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Test report (X-MULTI)		YY/MM/DD		Cooling	
		Mode	SN.	Install address	
Outdoor unit					
Indoor unit	A				
	B				
	C				
	D				
	E				
Check Item		Check method		Actual value	Con.
O u t d o o r u n i t	Power voltage	Use multimeter measure the power supply terminal		V	
	High pressure	Use pressure-meter measure High pressure port		kgf/cm2	
		※Measure after running 15 munite			
	Low pressure	Use pressure-meter measure Low pressure port		kgf/cm2	
		※Measure after running 15 munite			
	Ambient temp.	Use weatherglass measure		℃	
	Air inlet temp.	Use weatherglass measure		℃	
	Air outlet temp.	Use weatherglass measure		℃	
	Run sound	Hearing ,sound instrument.		DB	
	Compressor discharge temp.	Use PC software measure		℃	
Compressor suction temp.	Use PC software measure		℃		
Compressor run current	Use pincers-meter measure		A		

Test report



Test report (X-MULTI)		YY/MM/DD		Heating	
		Mode	SN.	Install address	
Outdoor unit					
Indoor unit	A				
	B				
	C				
	D				
	E				
Check Item		Check method		Actual value	Con.
O u t d o o r u n i t	Power voltage	Use multimeter measure the power supply terminal		V	
	High pressure	Use pressure-meter measure High pressure port		kgf/cm2	
		※Measure after running 15 munite			
	Low pressure	Use pressure-meter measure Low pressure port		kgf/cm2	
		※Measure after running 15 munite			
	Ambient temp.	Use weatherglass measure		℃	
	Air inlet temp.	Use weatherglass measure		℃	
	Air outlet temp.	Use weatherglass measure		℃	
	Run sound	Hearing ,sound instrument.		DB	
	Compressor discharge temp.	Use PC software measure		℃	
Compressor suction temp.	Use PC software measure		℃		
Compressor run current	Use pincers-meter measure		A		

X-MULTI Installation Assistant [all types compatible] (V2.10 final)

SystemTest English(E)

Installation Info.
 Operation Info.
 Test Running Report
 Abbr Description
 Trouble Shooting
 [Click here for abbr Description](#)

Outdoor Unit System Data

Run State ForcedRun RatedRun Diagnostic Code: 0 - Normal
 Target Freq Run Freq Fan State 4WV SV2 PTC Heater

Outdoor Unit Sensor Data

Tmave Tc2ave Td Ts Te Tao Tc
 Pd (Mpa) Ps (Mpa) Toci Fin ldc Imtr Tc2max

Indoor Units Data

IndoorID	HP	RunMode	Tset	Tai	Tc1	Tc2	Tm	PMVtar	PMVrun	FanSpeed	Pcode	DiagCode
Unit A	0.0	OFF	0	0	0	0	0	0	0	Auto	0	0
Unit B	0.0	OFF	0	0	0	0	0	0	0	Auto	0	0
Unit C	0.0	OFF	0	0	0	0	0	0	0	Auto	0	0
Unit D	0.0	OFF	0	0	0	0	0	0	0	Auto	0	0
Unit E	0.0	OFF	0	0	0	0	0	0	0	Auto	0	0

Unit A Diagnostic Code: 0 - Normal
 Unit B Diagnostic Code: 0 - Normal
 Unit C Diagnostic Code: 0 - Normal
 Unit D Diagnostic Code: 0 - Normal
 Unit E Diagnostic Code: 0 - Normal

ON- OFF-

Defrost Accumulative Time **00:00:00**
 Refrigeration System Clock **00:00:00**

Select indoor unit

THANKS!