



INSTALLATION MANUAL

Branch Kit

To prevent injury to the user or other people and property damage, the following instructions must be followed.

⚠ WARNING This symbol indicates the possibility of death or serious injury.

⚠ CAUTION This symbol indicates the possibility of injury or damage.

⚠ WARNING

- Consult with the sale agency or the professional installation shop for installation.
- Carefully read Install Manual before installation.
- When refrigerant gas leaks before installation, perform air circulation before work.
- If refrigerant gas touches with fire devices, harmful gas may occur.
- Install product by using dedicated tools and pipe material manufactured for R410A (refrigerant).
- Check refrigerant leaks after work is completed.
- Be careful so that thermal insulation materials and neighboring inflammable substance should not be ignited when welding.

⚠ CAUTION

- Take care so that children should not touch with a vinyl bag and a sharp accessory.
- Wrap thermal insulation materials so that dew will not form on a pipe of refrigerant.
- Refer to Combination Table for the indoor connection capacity.

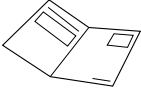
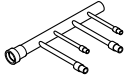
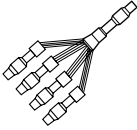
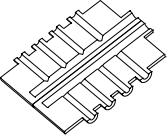
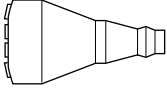
1. Type of branch pipe

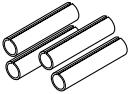


Separately use a branch pipe depending on indoor capacity for installation.

Unbalance type of branch pipe must be connected depending on large capacity or small capacity.

Indoor Classification	Model Name	Capacity Ratio(%)	Remark
2 UNIT	PMUB11A	50:50 (1:1)	
	PMUB23A	40:60 (2:3)	Unbalance type
3 UNIT	PMUB122A	20:40:40 (1:2:2)	Unbalance type
	PMUB112A	25:25:50 (1:1:2)	Unbalance type
	PMUB111A	33:33:33 (1:1:1)	
4 UNIT	PMUB1111A	25:25:25:25(1:1:1:1)	

2. Accessory for Installation

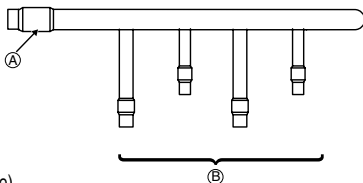
① Manual	② Gas pipe	③ Liquid pipe	④ Insulation(Gas pipe)	⑤ Insulation(Liquid pipe)
				

⑥ Insulation	⑦ Band	⑧ Socket
		 (Ø15.88 → Ø19.05)

- ※ Procure other parts than those specified in this manual in the scene
- No. ⑧ parts are used for connection of 48/60k indoor unit.

3. SPEC for branch pipe connection part

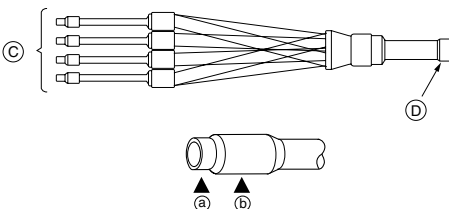
(Gas pipe)



(I.D)	a	b
A	Ø19.05(3/4)	Ø25.4(1)
B	Ø9.52(3/8)	Ø12.7(1/2)
	Ø12.7(1/2)	Ø15.88(5/8)
C	Ø6.35(1/4)	Ø9.52(3/8)
D	Ø9.52(3/8)	Ø12.7(1/2)

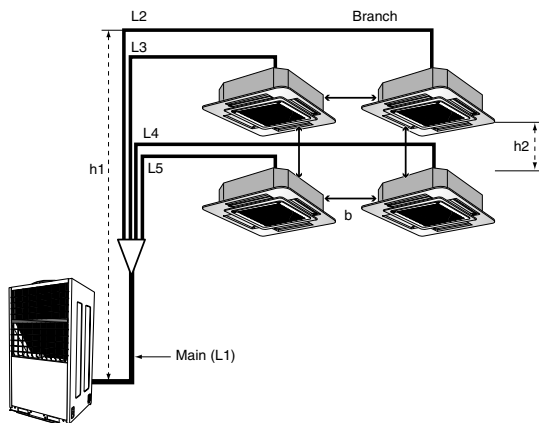
():inch

(Liquid pipe)



4 . Pipe length and difference between high and low

Install the branch pipe so that pipe length and difference between high and low will not exceed below SPEC.



Pipe Length(m)	Spec.
Total(Main+Branch)	110
Main Pipe(L1)	50
Branch Pipe-----Total	60
Each	15
In out (h1)	30
In-In (h2)	1
L1+L2/L3/L4/L5	65
Indoor-Indoor_(b)	10

- When installing the branch pipe, direction and angle of installation is not limited.
- Take care so that burrs and foreign material may not enter into the cutting surface when connecting.
- Connect a gas pipe of $\varnothing 19.05$ by using the socket in the indoor unit and connect remaining those by cutting or direct insertion to the diameter of pipe.
- Don't use the liquid pipe ③ by too bending or twisting.

5 .Thermal insulation work

- Securely wrap the refrigerant and the branch pipe by using thermal insulation materials provided.
When using thermal insulation materials released, use withstand heat insulation materials (thickness of more than 15mm).
- Securely adhere thermal insulation materials ④ ⑤ wrapping the branch pipe so that they do not widen.
After wrapping them with auxiliary materials ⑥, bound them with a band ⑦.
- Finish the work by wrapping with a vinyl tape after the insulation material work.

