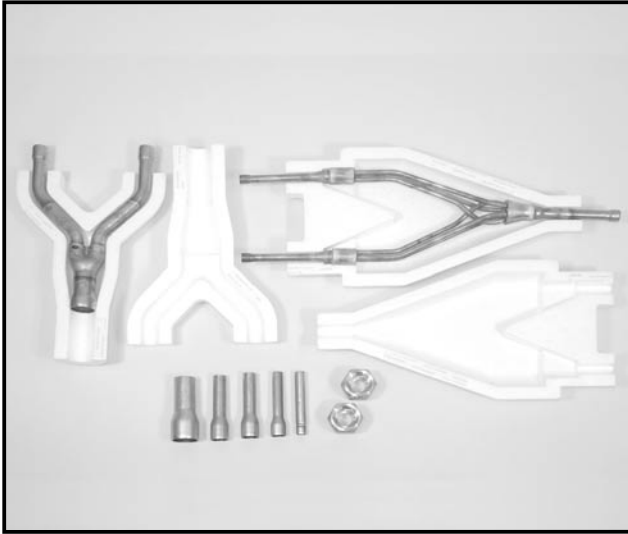


Photo



Descriptions

Branch pipe for Multi-System Twin type Twin use. (50:50)

Applicable Models

- PU-P200/250
- PUH-P200/250
- PUHZ-RP200/250

for Twin 50:50 use

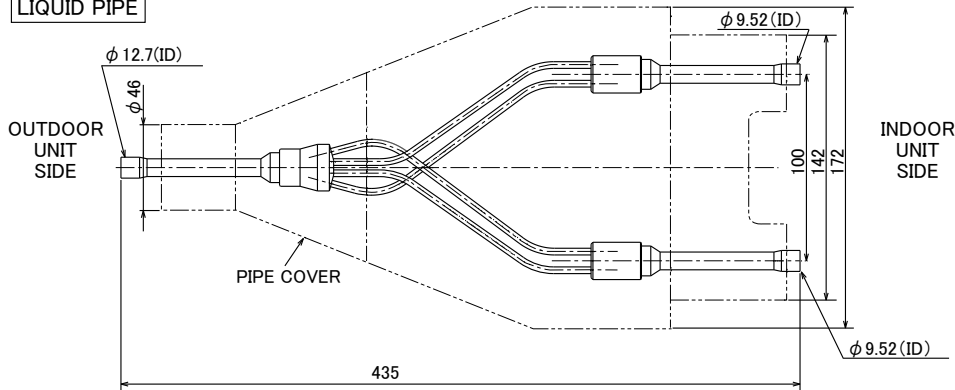
Specifications

Main body	Distribution ratio	Outdoor unit capacity is divided into two (50:50)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Styrofoam molding (for liquid pipe and gas pipe)
	Joint	5 joints (4 types)

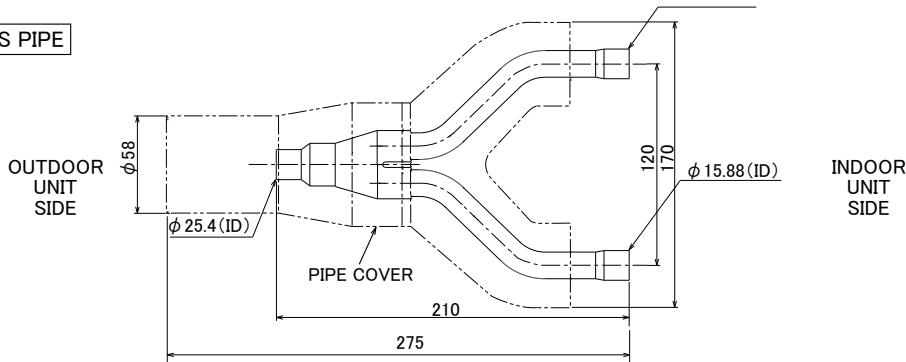
Dimensions

Unit : mm

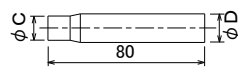
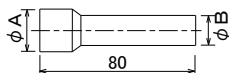
LIQUID PIPE



GAS PIPE



JOINT(Accessory)



ΦA (ID)	ΦB (OD)	Amount
28.6	25.4	2
15.88	12.7	1
19.05	15.88	2

ΦC (ID)	ΦD (OD)	Amount
9.52	12.7	1

How to Use / How to Install

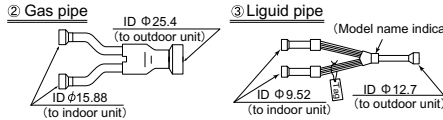
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

Make sure that you have all the following parts in packing box before installation.

① Instruction sheet This sheet 1 sheet	② Gas pipe 1pc	③ Liquid pipe 1pc	④ Pipe cover (for gas pipe) 1pc	⑤ Pipe cover (for liquid pipe) 1pc	⑥ Joint pipe Φ 12.7→Φ 9.52...4pcs Φ 12.7→Φ 15.88...4pcs Φ 15.88→Φ 19.05...2pcs Φ 25.4→Φ 28.6...1pcs	Flare nut 5/8F...2pcs For R410A indoor unit.
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● See the following for the specifications of gas pipe ②, and liquid pipe ③,

■ MSDD-50WR



※ Procure the following at local site in addition to the above
 • Tape for heat insulator seal
 • Extended pipe for refrigerant pipe

Pipe size and limit to refrigerant pipe

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
71(3Hp)	Φ15.88 (5/8)	Φ 15.88 (5/8)	Φ 9.52 (3/8)	Φ 9.52 (3/8)	—	50m or less	B - C = 8m or less	H = 40m or less	h = 1m or less	15 or less
100~140 (4~6Hp)	Φ19.05 (3/4)				A + B = 70m or less	80m or less				
200(8Hp)	Φ 25.4 (1)				A + C = 50m or less					
250(10Hp)	Φ28.6 (1-1/8)	Φ 19.05 (3/4)	Φ 12.7 (1/2)							

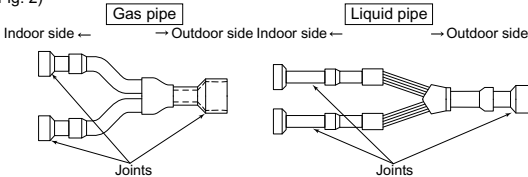
Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Height Difference (m)		Note 1 Number of bends
	Gas pipe side		Liquid pipe side		Indoor-Outdoor	A+B+C=	Indoor-Indoor	Indoor-Outdoor	Indoor-Indoor	
	Outdoor unit side	Indoor unit side	Outdoor unit side	Indoor unit side						
71(3Hp)	Φ 15.88 (5/8)	RP1.6, 2, 35, 50 Φ 12.7(1/2)	Φ 9.52 (3/8)	RP1.6, 2, 35, 50 Φ 6.35(1/4)	—	50m or less	B - C = 8m or less	H = 30m or less	h = 1m or less	15 or less
100~140 (4~6Hp)	Φ 25.4 (1)				A + B = 75m or less	80m or less				
200(8Hp)	Φ 28.6 (1-1/8)				A + C = 80m or less					
250(10Hp)	Φ 28.6 (1-1/8)	RP2.5~5, 60~125 Φ 9.52(3/8)	Φ 12.7 (1/2)	RP2.5~5, 60~125 Φ 9.52(3/8)						

Note 1: Limit the number of bends for refrigerant pipes to 8 in each of the (A+B) and (A+C) ranges.
 ※ See the installation manual provided with the main unit for details on chargeless pipe length and refrigerant additional charge amount.

Pipe connections

Combination pattern of indoor and outdoor units and joints to be used:

(Fig. 2)



1. Perform work, taking care with the followings:

- Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2).
- Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1).
- Insert the refrigerant pipe (procured at local site) and joint ⑥ into the expanded pipe portions of distributing pipe (this product) until they stop, and then connect them using anti-oxidization soldering.
- There is no restriction on the orientation of distributing pipe (this product) during installation.
- Take care that no foreign object, such as dust, enters during pipe connecting work.
- Remove the tag of liquid pipe ③ after checking it.

2. Pipe connections

- The provided joints ⑥ will be necessary depending on the capability of model used: See (Table 2), and connect the joints as shown in (Fig. 2).
- Do not bend or widen the distributing pipe (liquid pipe).

■ For R407C fixed speed

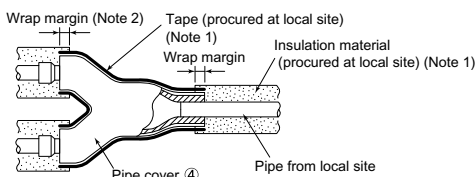
Outdoor unit	Indoor unit	Joint to be used
71(3Hp)	35+35 (1.6+1.6)	No joint is necessary.
100(4Hp)	50+50 (2+2)	Outer Φ 15.88—inner Φ 19.05 [outdoor gas pipe side]
125(5Hp)	60+60 (2.5+2.5)	
140(6Hp)	71+71 (3+3)	Outer Φ 15.88—inner Φ 19.05 [indoor gas pipe side]
200(8Hp)	100+100 (4+4)	
250(10Hp)	125+125 (5+5)	Outer Φ 25.4—inner Φ 28.6 [outdoor gas pipe side]

※ Installation positions in brackets ().

■ For R410A Power Inverter

Outdoor unit	Indoor unit	Joint to be used
71(3Hp)	35+35 (1.6+1.6)	Outer Φ 15.88—inner Φ 12.7 [outdoor gas pipe side]
100(4Hp)	50+50 (2+2)	Outer Φ 9.52—inner Φ 6.35 [indoor liquid pipe side]
125(5Hp)	60+60 (2.5+2.5)	No joint is necessary.
140(6Hp)	71+71 (3+3)	
200(8Hp)	100+100 (4+4)	Outer Φ 12.7—inner Φ 9.52 [outdoor liquid pipe side]
250(10Hp)	125+125 (5+5)	Outer Φ 25.4—inner Φ 28.6 [outdoor gas pipe side]

Heat insulation work



- Fit gas pipe ② into pipe covers ④, and then seal the mated portion of pipe covers ④ using heat insulation seal tape (procured at local site).
- Process liquid pipe ③ in the same way.

Notes:

1. Cover the entire refrigerant pipe (procured at local site) with heat insulation material. When using generally available heat insulation material, heat-resistant insulation material (at least 12 mm thick).
2. Pipe covers ④ and ⑤ will shrink slightly at high temperatures: Provide wrap margins with insulation

Please install contents other than this description on the main part of a product with an attached installation description, and use them as it.