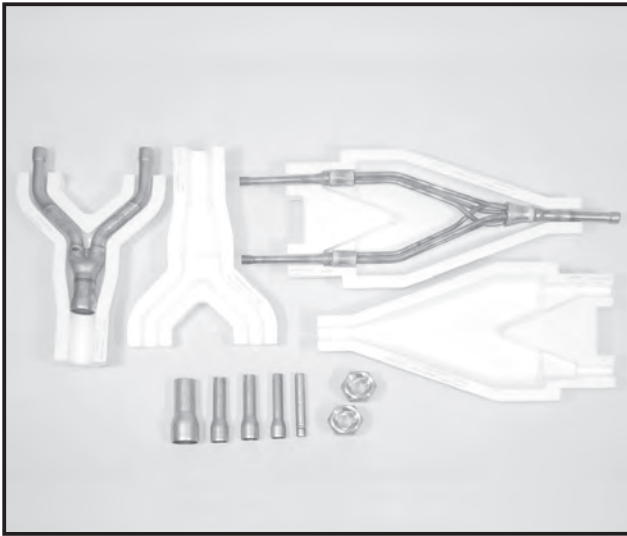


Photo



Descriptions

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

Applicable Models

■ PUAZ-ZRP200,250YKA3

■ PUAZ-P200,250YKA3

for Twin 50:50 use

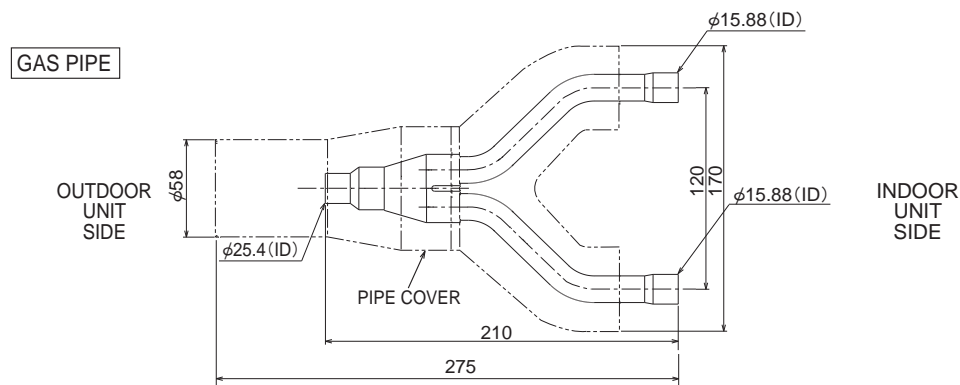
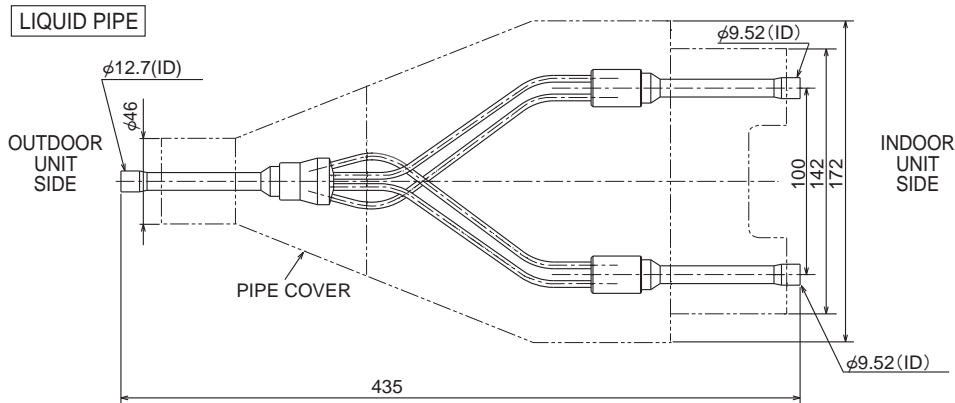
[R410A type]

Specifications

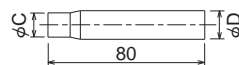
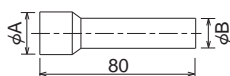
Main body	Distribution ratio	Outdoor unit capacity is divided into two (50:50)
	Number of distribution pipes	1 each for liquid pipe and gas pipe
	Pipe material	Phosphate deoxidized copper C1220T-OL (JIS H3300)
Accessory	Pipe cover	Styrofoam molding (for liquid pipe and gas pipe)
	Joint	5 joints (4 types)

Dimensions

Unit: mm



JOINT (Accessory)



ØA (ID)	ØB (OD)	Amount
28.6	25.4	1
15.88	12.7	1
19.05	15.88	2

ØC (ID)	ØD (OD)	Amount
9.52	12.7	1

OPTIONAL PARTS

How to Use / How to Install

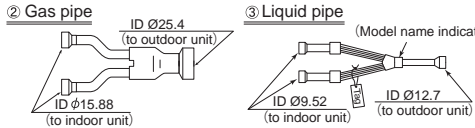
Package Air-conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

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 Ø12.7→Ø 9.52 1pc Ø12.7→Ø 15.88 1pc Ø15.88→Ø19.05 2pcs Ø25.4→Ø28.6 1pc	⑦ 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

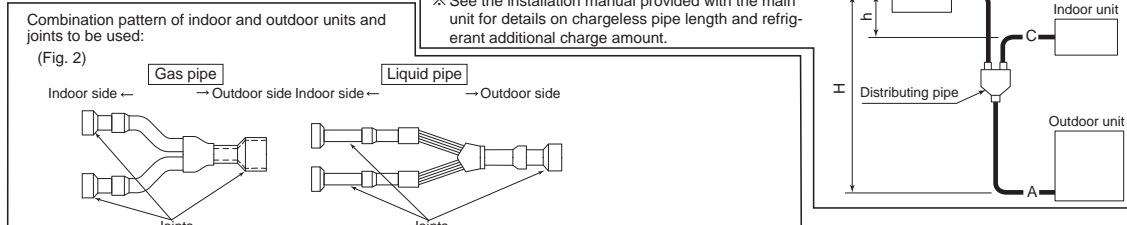
■ For R407C fixed speed models (Table 1-1)

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	
200(8Hp)	Ø25.4 (1)	Ø19.05 (3/4)	Ø12.7 (1/2)	Ø9.52 (3/8)	A+B=	70m or less	B-C =	H=	h=	15 or less
250(10Hp)	Ø28.6 (1-1/8)		Ø12.7 (1/2)	Ø9.52 (3/8)	A+C=	50m or less	8m or less	40m or less	1m or less	

■ For R410A Power Inverter models (Table 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	
200(8Hp)	Ø25.4 (1)	Ø15.88(5/8)	Ø9.52 (3/8)	Ø9.52(3/8)	A+B=	100 m or less (ZRP200/250)	B-C =	H=	h=	15 or less
250(10Hp)	Ø25.4 (1) Ø28.6 (1-1/8)		Ø12.7 (1/2)		A+C=	80m or less (P200/250)	8m or less	30m or less	1m or less	

Pipe connections



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.

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 2-1, 2-2).
- Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1-1, 1-2).
- 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. 2-1, 2-2).
- Do not bend or widen the distributing pipe (liquid pipe).

■ For R407C fixed speed (Table 2-1)

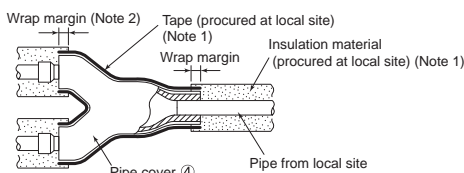
Outdoor unit	Indoor unit	Joint to be used
200(8Hp)	100+100 (4+4)	Outer Ø15.88—inner Ø19.05 [indoor gas pipe side]
250(10Hp)	125+125 (5+5)	Outer Ø25.4—inner Ø28.6 [outdoor gas pipe side]

■ For R410A Power Inverter (Table 2-2)

Outdoor unit	Indoor unit	Joint to be used
200(8Hp)	100+100 (4+4)	Outer Ø12.7—inner Ø9.52 [outdoor liquid pipe side]
250(10Hp)	125+125 (5+5)	HA: Outer Ø25.4—inner Ø28.6 [outdoor gas pipe side] HA2,KA: No joint necessary

※Installation positions in brackets ().

Heat insulation work



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 material.

- 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.

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