

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

MSDD-50TR-E [Indoor unit same-capacity twin 50:50] Outdoor unit PUHZ-RP3~6, 71~140HA / KA type (R410A power inverter)

MSDD-50WR-E [Indoor unit same-capacity twin 50:50] Outdoor unit PUHZ-RP8~10, 200~250HA / KA type (R410A power inverter)

※ Only MSDD-50TR-E have acquired ETL.

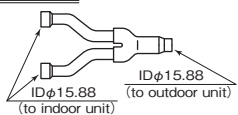
1 Make sure that you have all the following parts in packing box before installation.

① Instruction sheet	② Gas pipe	③ Liquid pipe	④ Pipe cover (for gas pipe)	⑤ Pipe cover (for liquid pipe)	⑥ Joint pipe	⑦ Flare nut
This sheet 1 sheet	1pc	1pc	1pc	1pc	50TR Ⓐ φ9.52→φ6.35...2pcs Ⓑ φ15.88→φ12.7...2pcs Ⓒ φ15.88→φ19.05...1pcs Ⓓ φ15.88→φ9.52...2pcs 50WR Ⓔ φ12.7→φ9.52...1pcs Ⓕ φ12.7→φ15.88...1pcs Ⓖ φ15.88→φ19.05...2pcs Ⓗ φ15.88→φ9.52...2pcs Ⓙ φ25.4→φ28.6...1pcs	50TR Ⓐ 1/4F...2pcs Ⓑ 1/2F...2pcs 50WR Ⓒ 5/8F...2pcs For R410A indoor unit.

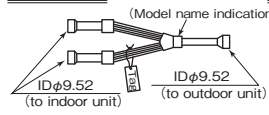
● See the following for the specifications of gas pipe ②, and liquid pipe ③,

■ MSDD-50TR

② Gas pipe

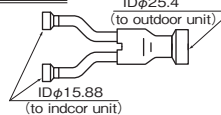


③ Liquid pipe

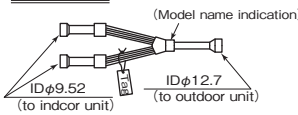


■ MSDD-50WR

② Gas pipe



③ Liquid pipe



※ Procure the following at local site in addition to the above

- Ⓐ Tape for heat insulator seal
- Ⓑ Extended pipe for refrigerant pipe

2 Pipe size and limit to refrigerant pipe

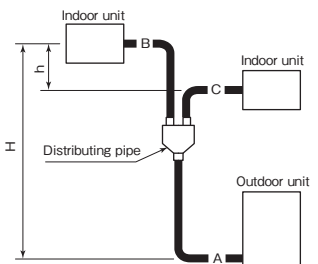
■ For R410A power inverter

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (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						
RP3,71	φ15.88 (5/8)	RP1.6, 2, 35, 50	φ9.52 (3/8)	φ6.35 (1/4)	-	50m or less	B-C = 8m or less	H = 30m or less	h = 1m or less	15 or less
RP4~6, 100~140	φ25.4 (1)	φ9.52 (3/8)	φ12.7 (1/2)	RP1.6, 2, 35, 50				A+B = 80m or less		
RP8, 200	φ28.6 (1-1/8)	RP2.5~5, 60~125	φ12.7 (1/2)	φ9.52 (3/8)						
RP10, 250	φ28.6 (1-1/8)	φ15.88 (5/8)								

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 charge-less pipe length and refrigerant additional charge amount.

(Fig. 1)



3 Pipe connections

1. Perform work, taking care with the following:

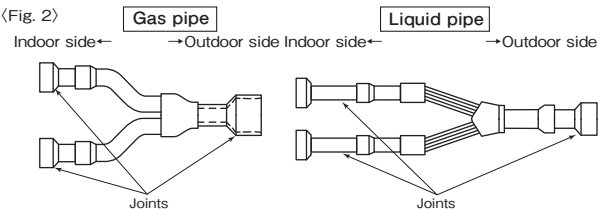
- Be sure to check the combination pattern of indoor and outdoor units and joints to be used (Table 2).
- Be sure to observe the limits to refrigerant pipe length and number of bends (Table 1).
- Insert the refrigerant pipe (procured at local site) and joint ⑥ into the expanded pipe portions of distributing 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).

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

(Fig. 2)

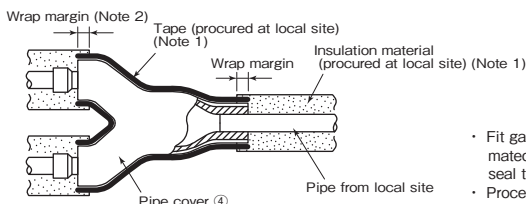


■ For R410A power inverter

Outdoor unit	Indoor unit	Joint to be used
RP3, 71	1.6+1.6, 35+35	Ⓑ Outerφ15.88—innerφ12.7 (indoor gas pipe side), Ⓐ Outerφ9.52—innerφ6.35 (indoor liquid pipe side)
RP4, 100	2+2, 50+50	Ⓓ Outerφ15.88—innerφ9.52 (indoor gas pipe side), Ⓐ Outerφ9.52—innerφ6.35 (indoor liquid pipe side)
RP5, 125	2.5+2.5, 60+60	Ⓑ Outerφ15.88—innerφ12.7 (indoor gas pipe side), Ⓐ Outerφ9.52—innerφ6.35 (indoor liquid pipe side)
RP6, 140	3+3, 71+71	No joint is necessary.
RP8, 200	4+4, 100+100	Ⓔ Outerφ12.7—innerφ9.52 (outdoor liquid pipe side)
RP10, 250	5+5, 125+125	HA : Ⓙ Outerφ25.4—innerφ28.6 (outdoor gas pipe side) HA2, KA : No joint is necessary.

※ Installation positions in brackets [] .

4 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 material.

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