

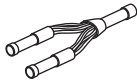






Packaged Air Conditioner Optional Parts Instruction Sheet for Simultaneous Twin Distributing Pipe

MSDD-50TR2-E [Indoor unit same-capacity twin 50:50] Outdoor unit PUZ-ZM71~140HA/KA type (R32 power inverter)

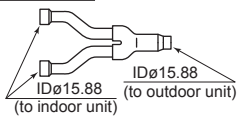
1 Make sure that you have all the following parts in packing box before installation.

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	 Ⓐ ⌀9.52→⌀6.35...2pcs Ⓑ ⌀15.88→⌀12.7...2pcs Ⓒ ⌀15.88→⌀19.05...1pcs Ⓓ ⌀15.88→⌀9.52...2pcs	 Ⓔ 1/4F...2pcs Ⓕ 1/2F...2pcs For R32 indoor unit.

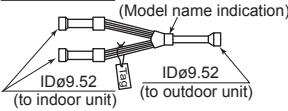
• See the following for the specifications of gas pipe ②, and liquid pipe ③.

■ MSDD-50TR2

② Gas pipe



③ Liquid pipe



Note: 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

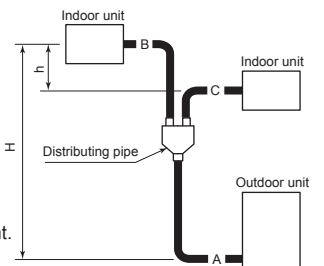
■ For R32 power inverter

Outdoor unit capacity	Pipe size (mm)				Actual pipe length (m)			Difference of elevation (m)		* 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						
ZM71	⌀15.88 <5/8>	M35, 50 ⌀12.7 <1/2>	⌀9.52 <3/8>	M35, 50 ⌀6.35 <1/4>	—	55m or less	B-C = 8m or less	H = 30m or less	h = 1m or less	15 or less
ZM100~140	⌀15.88 <5/8>	M60, 71 ⌀15.88 <5/8>	⌀9.52 <3/8>	M60, 71 ⌀9.52 <3/8>						

* Limit the number of bends for refrigerant pipes to 8 in each of the <A+B> and <A+C> ranges.

Note: 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

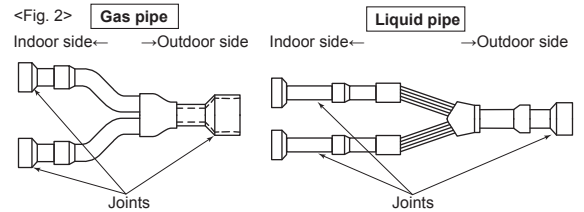
1. Perform work, taking care with the following:

- 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:

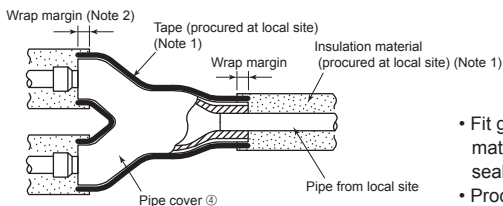


■ For R32 power inverter

Outdoor unit	Indoor unit	Joint to be used
ZM71	35+35	Ⓔ Outer ⌀15.88 - inner ⌀12.7 [indoor gas pipe side], Ⓓ Outer ⌀9.52 - inner ⌀6.35 [indoor liquid pipe side]
ZM100	50+50	Ⓔ Outer ⌀15.88 - inner ⌀12.7 [indoor gas pipe side], Ⓓ Outer ⌀9.52 - inner ⌀6.35 [indoor liquid pipe side]
ZM125	60+60	No joint is necessary.
ZM140	71+71	No joint is necessary.

Note: 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.