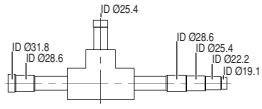
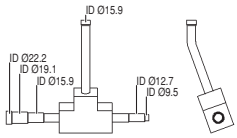
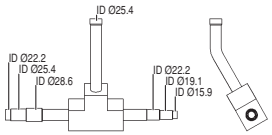
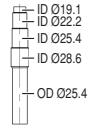
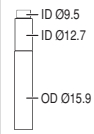
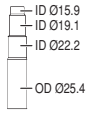
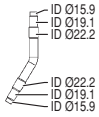
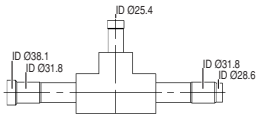
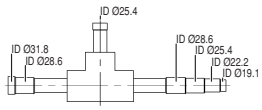
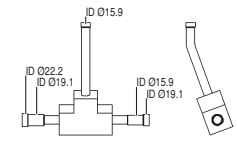
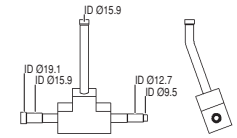
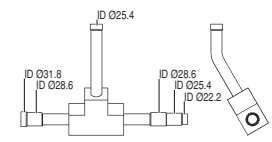
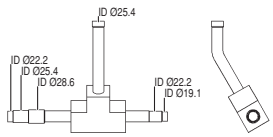
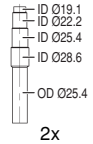
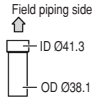
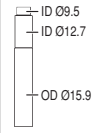
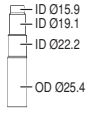
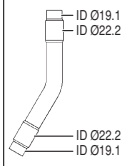
IMPROPER INSTALLATION OR ATTACHMENT OF EQUIPMENT OR ACCESSORIES COULD RESULT IN ELECTRIC SHOCK, SHORT-CIRCUIT, LEAKS, FIRE OR OTHER DAMAGE TO THE EQUIPMENT. BE SURE ONLY TO USE ACCESSORIES MADE BY DAIKIN WHICH ARE SPECIFICALLY DESIGNED FOR USE WITH THE EQUIPMENT AND HAVE THEM INSTALLED BY A PROFESSIONAL.

IF UNSURE OF INSTALLATION PROCEDURES OR USE, ALWAYS CONTACT YOUR DAIKIN DEALER FOR ADVICE AND INFORMATION.

This kit includes the following parts

Table 1

Kit name	Suction gas side joint	Liquid side joint	Discharge gas side joint	Reducer for: Suction gas pipe	Reducer for: Liquid pipe	Reducer for: Discharge gas pipe		Joint for oil pipe
BHFQ23M907	 1x	 1x	 1x	(1)  (2)  1x	 1x	(1)  1x	(2)  1x	—
BHFQ23M1357	(1)  1x (2)  1x	(1)  1x (2)  1x	(1)  1x (2)  1x	(1)  2x (2)  3x (3)  1x	 2x	(1)  2x	(2)  1x	 1x

NOTE

- For installation of the outdoor units, refer to the installation manual of the outdoor unit.
- The installation of refrigerant pipes between outdoor and indoor units need to be arranged by refnet joints and refnet headers.
- For combination of outdoor units follow Engineering Data.

Field supply parts

Table 2

Parts	Quantity	Selection procedure
Insulation for pipe	1 set	For BHFQ23M907: refer to Table 4~9 For BHFQ23M1357: refer to Table 10~15.
Refrigerant pipes		
Joint (for gas pipe: angle of 90°)	2x	Joint size must be the same as gas pipe size of the outermost outdoor unit. (Refer to Table 5 + 11).
Tape	1 set	For insulation.

Selection procedure

Table 3

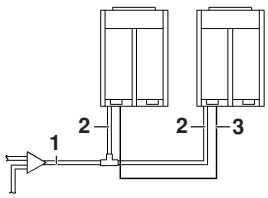
Number of outdoor units	Kit name
2 units	BHFQ23M907
3 units	BHFQ23M1357

FOR BHFQ23M907

Refer to the installation manual of the outdoor unit for correct multi connection piping of the outdoor units.

Pipe size selection and cutting position of joint.

Select the correct pipe size according with Table 4 + 5 and cut the joints and reducers on the correct places with a pipe cutter.



1 Connection between outdoor unit and refrigerant branch kit
2 Connection between outdoor unit and connection piping kit
3 Oil pipe (Ø6.4)

For connection between outdoor unit and refrigerant branch kit.

- Select the proper pipe size based on the capacity type of outdoor units.

Table 4

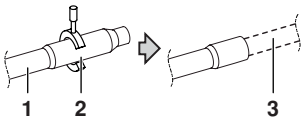
Outdoor unit capacity type	Pipe size (Unit: mm)		
	Liquid	Suction gas	Discharge gas
REYQ18	Ø15.9	Ø28.6	Ø22.2
REYQ20, REYQ22			Ø28.6
REYQ24		Ø34.9[(a)]	
REYQ26~32	Ø19.1		

(a) See the general note on page 5.

For connection between outdoor unit and connection piping kit.
Table 5

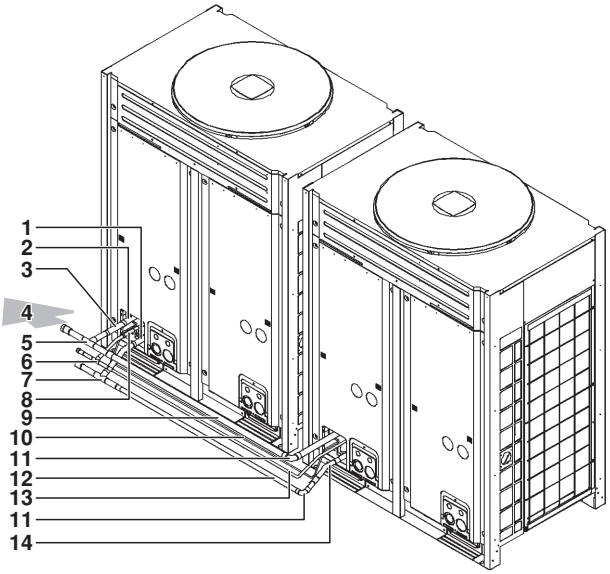
Outdoor unit capacity type	Pipe size (Unit: mm)		
	Liquid	Suction gas	Discharge gas
REYQ8	Ø9.5	Ø19.1	Ø15.9
REYQ10		Ø22.2	Ø19.1
REYQ12	Ø12.7	Ø28.6	
REYQ14			Ø22.2
REYQ16			

- Cut the pipe with a pipe cutter.



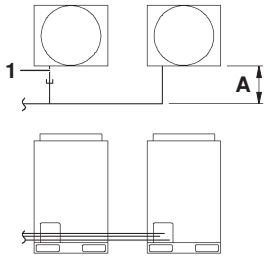
1 Joint
2 Cut in the center of the connections.
3 Field pipe

IN CASE OF FRONT PIPING

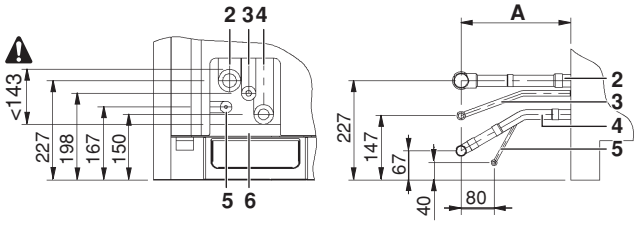


1 Reducer for discharge gas pipe (1)
2 Suction gas pipe supplied with the outdoor unit
3 Reducer for suction gas pipe (1)
4 To indoor unit
5 Suction gas side joint
6 Liquid side joint
7 Discharge gas side joint
8 Reducer for liquid pipe
9 Suction gas pipe (field supply)
10 Oil pipe (field supply)
11 Joint (field supply) (angle of 90°)
12 Discharge gas side joint (field supply)
13 Liquid side pipe (field supply)
14 Reducer for discharge gas pipe (2)

- In case of using the gas pipe as supplied with the outdoor unit, size A is 250~280 mm.



A 250 (standard)~280 mm
1 Gas pipe supplied with the outdoor unit
2 Suction gas pipe
3 Liquid pipe
4 Discharge gas pipe
5 Oil pipe
6 Bottom frame



1. INSTALLATION OF SUCTION GAS PIPES

Cutting the reducer for suction gas pipe (1) and suction gas pipe

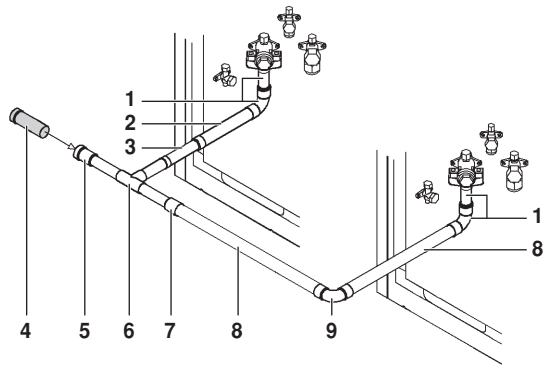
Cut the reducer (1) and gas pipes according to the dimensions in the following table (▬ the portion not used.)

Table 6

Outdoor units capacity type	A (mm)	Reducer (1)	Suction gas pipe (supplied with the outdoor unit) B (mm)		Suction gas pipe (field supply) L (mm)	
REYQ8	72	To suction gas side pipe REYQ10 REYQ12, 14, 16 Cutting position in function of capacity type of outdoor units A To suction gas side joint	112	B (Cutting position)	339	L
REYQ10			136		327	
REYQ12 REYQ14 REYQ16	0		130		315	

Connection piping

- Connect the suction gas pipe with the suction gas side joint (see figure below).
- Execute brazing of the refrigerant piping according to the installation manual of the outdoor unit.



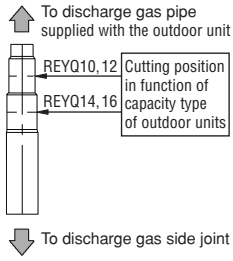
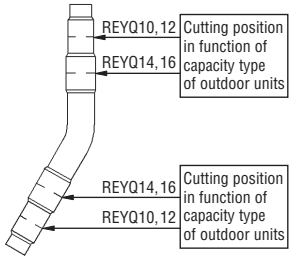
1 Suction gas pipe supplied with the outdoor unit
2 Suction gas pipe supplied with the outdoor unit (see Table 6 for cutting position)
3 Reducer for suction gas pipe (1) (see Table 6 for cutting position)
4 Reducer for suction gas pipe (2) (see the general note on page 5)
5 According to Table 4, cut the joint with a pipe cutter or see the general note on page 5
6 Suction gas side joint
7 According to Table 5, cut the joint with a pipe cutter
8 Suction gas pipe (field supply)
9 Joint (field supply) (angle of 90°)

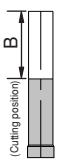
2. Installation of discharge gas pipes

Cutting the reducer for discharge gas pipe (1+2) and discharge gas pipe

Cut the reducers (1+2) and discharge gas pipes according to the dimensions in the following table (▬ the portion not used.)

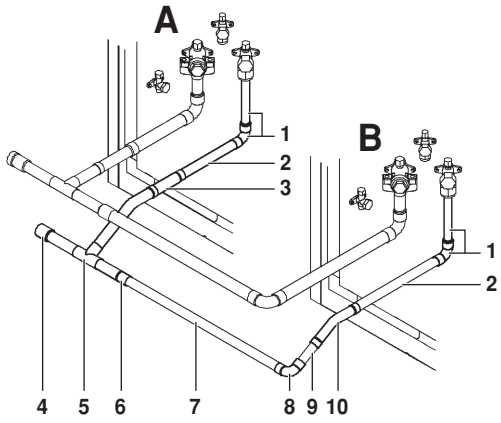
Table 7

Outdoor units capacity type	Reducer (1)	Reducer (2)
REYQ8 REYQ10 REYQ12 REYQ14 REYQ16		

Outdoor units capacity type	Discharge gas pipe (supplied with the outdoor unit) B (mm) Outdoor unit A	Outdoor unit B		Discharge gas pipe (field supply) L (mm)	
REYQ8	102	171		26	
REYQ10 REYQ12	101	200		54	
REYQ14 REYQ16	125	224		78	

Connection piping

- Connect the discharge gas pipe with the discharge gas side joint (see figure below).
- Execute brazing of the refrigerant piping according to the installation manual of the outdoor unit.

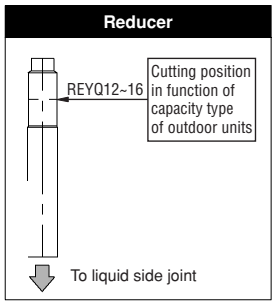


1 Discharge gas pipe supplied with the outdoor unit
2 Discharge gas pipe supplied with the outdoor unit (see Table 7 for cutting position)
3 Reducer for discharge gas pipe (1) (see Table 7 for cutting position)
4 According to Table 4, cut the joint with a pipe cutter
5 Discharge gas side joint
6 According to Table 5, cut the joint with a pipe cutter
7 Discharge gas pipe (field supply)
8 Joint (field supply) (angle of 90°)
9 Discharge gas pipe (field supply) (see Table 7 for cutting position)
10 Reducer for discharge gas pipe (2) (see Table 7 for cutting position)

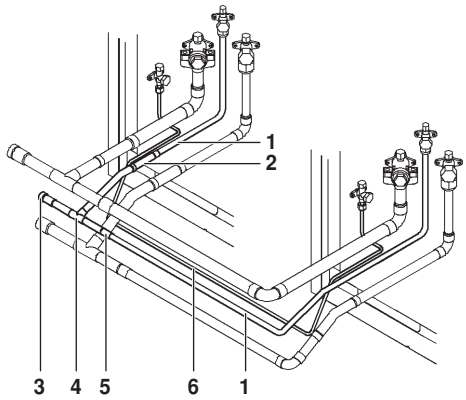
3. Installation of liquid pipes and oil pipe

Cutting the reducer for liquid pipe

Cut the reducer according to the dimensions in the following table



- Connect the liquid pipe with the liquid side joint (see figure below).
- Execute brazing of the refrigerant piping according to the installation manual of the outdoor unit.



1 Liquid pipe (field supply)
2 Reducer for liquid pipe (see table above for cutting position)
3 According to Table 4, cut the joint with a pipe cutter
4 Liquid side joint
5 According to Table 5, cut the joint with a pipe cutter
6 Oil pipe (field supply)

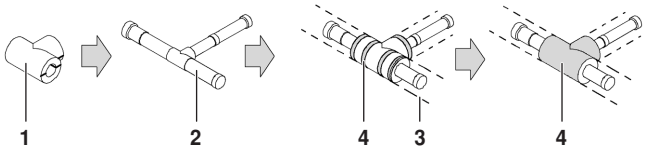
4. After connection of the piping

Connection piping between the outdoor and indoor unit

This piping must be executed according to instructions in the installation manual of the outdoor unit.

Insulation of joints

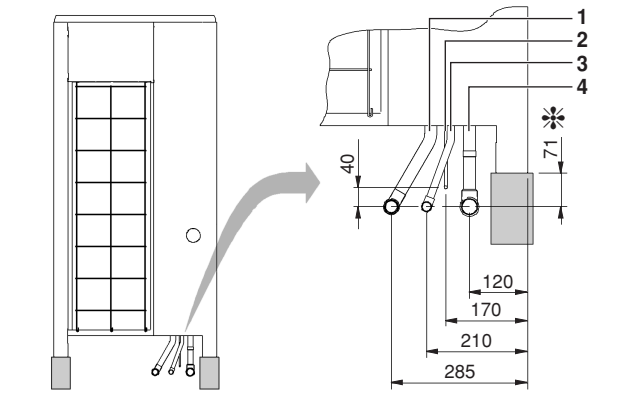
Seal the insulation of field piping and insulation of joints with tape (part).

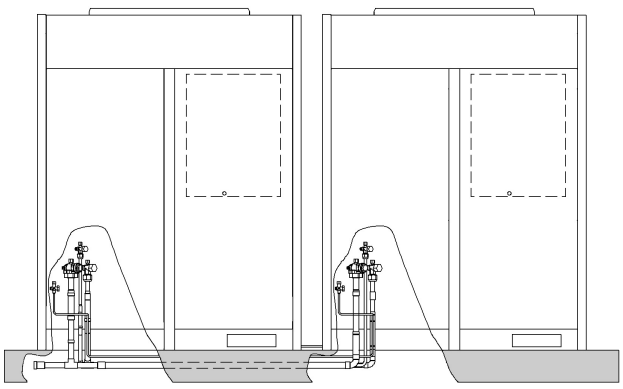


1	Insulation
2	Joint
3	Field piping insulation (field supply)
4	Tape (field supply)

- Cover the insulation completely with tape (See drawing above).
- In case of indoor installation make sure that the tape is of the fireproof type in order to comply with local regulations.

In case of bottom piping





1	Discharge gas pipe
2	Oil pipe
3	Liquid pipe
4	Suction gas pipe

Be sure to foresee enough space for brazing and piping work under the unit.

Refer to the tables 8 and 9 for deciding upon field piping length (❊) in case a central drain pan kit and/or a vibration proof frame kit is installed.

Table 8

Option kit	❊ length (Units: mm)
None	71
Central drain pan	110
Vibration proof frame	193
Vibration proof frame + central drain pan	193

Cutting the joints and reducers

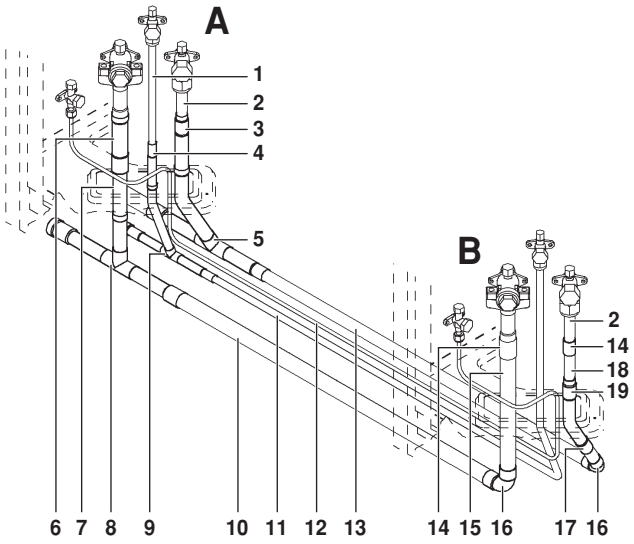
Cut the joints at the correct positions according to Table 4 + 5.

Connection piping

Connect the pipes with the joint (see the figure in "In case of bottom piping" on page 4).

Cutting the reducers and pipes

Cut the reducers and the pipes at the correct positions according to Table 9.



1	Liquid pipe (field supply)
2	Discharge gas pipe supplied with the outdoor unit (see Table 9, part 2)
3	Reducer for discharge gas pipe (1) (see Table 7)
4	Reducer for liquid pipe (see Table 9, part 2)
5	Discharge gas side joint
6	Suction gas side pipe supplied with the outdoor unit (see Table 9, part 1)
7	Reducer for suction gas pipe (1) (see Table 9, part 1)
8	Suction gas side joint
9	Liquid side joint
10	Suction gas pipe (field supply)
11	Liquid pipe (field supply)
12	Oil pipe (field supply)
13	Discharge gas pipe (field supply)
14	Joint (field supply)
15	Suction gas pipe (field supply) (see Table 9, part 3)
16	Joint (field supply) (angle of 90°)
17	Discharge gas pipe (2) (field supply) (see Table 9, part 3)
18	Discharge gas pipe (1) (field supply) (see Table 9, part 3)
19	Reducer for discharge gas pipe (2) (see Table 7)

Table 9 part 1

Outdoor units capacity type	Reducer suction gas pipe (1) A (mm) ❊ length 71	110	193		Suction gas pipe (supplied with the unit) B (mm) ❊ length 71	110	193	
REYQ8	72	33	0	To suction gas pipe supplied with the outdoor unit REYQ10 REYQ12, 14, 16 Cutting position in function of capacity type of outdoor units A To suction gas side joint	81	81	31	B (Cutting position)
REYQ10					117	114	31	
REYQ12	0	0			125	86	3	
REYQ14								
REYQ16								

Table 9 part 2

Outdoor units capacity type	Discharge gas pipe (supplied with the unit) Outdoor unit A B (mm) ❊ length 71	110	193	Outdoor unit B B (mm) ❊ length 71•110•193		Reducer for liquid pipe
REYQ8	94	55	0/99[a]	75	B (Cutting position)	REYQ12~16 Cutting position in function of capacity type of outdoor units To liquid side joint
REYQ10	64	25	0/99[a]	0		
REYQ12						
REYQ14				75		
REYQ16						

(a) 99 = 0 + joint + pipe (field supply)

Table 9 part 3

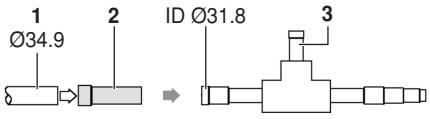
Outdoor units capacity type	Discharge gas pipe (1) (field supply) L (mm) ❊ length 71	110	193	Discharge gas pipe (2) (field supply) L (mm) ❊ length 71	110	193	Suction gas pipe (field supply) L (mm) ❊ length 71	110	193	
REYQ8	87	126	209	26	65	148	298	337	420	L
REYQ10	0	39	122	54	93	176				
REYQ12										
REYQ14	87	126	209	78	115	198				
REYQ16										

After connection of the piping

Refer to paragraph "4. After connection of the piping" on page 4.

NOTE

In case your installation requires suction gas side field piping of Ø34.9 in function of the outdoor units capacity type, proceed as follows for installation of additional suction gas pipe reducer (2)



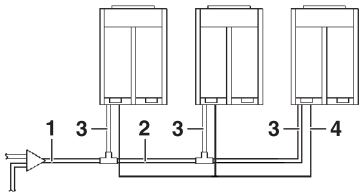
1 Field piping
2 Reducer for suction gas pipe (2)
3 Suction gas side joint

FOR BHFQ23M1357

Refer to the installation manual of the outdoor unit for correct multi connection piping of the outdoor units.

Pipe size selection and cutting position of joint.

Select the correct pipe size according with Table 10, 11 and 12 and cut the joints and reducers on the correct places with a pipe cutter.



1 Connection between outdoor unit and refrigerant branch kit (see Table 10)
2 Connection inbetween connection piping kits (see Table 11)
3 Connection between outdoor unit and connection piping kit (see Table 12)
4 Oil pipe (Ø6.4)

For connection between outdoor unit and refrigerant branch kit.

■ Select the proper pipe size based on the capacity type of outdoor units.

Table 10

Outdoor units capacity type	Pipe size (Unit: mm) Liquid	Suction gas	Discharge gas
REYQ34	Ø19.1	Ø34.9	Ø28.6
REYQ36		Ø41.3[a]	
REYQ38~48			Ø34.9

(a) See the general note on page 8.

For connection inbetween connection piping kits.

■ Select the proper pipe size based on the capacity type of upper side outdoor units.

Table 11

Outdoor units capacity type	Pipe size (Unit: mm) Liquid	Suction gas	Discharge gas
REYQ20+22	Ø15.9	Ø28.6	Ø28.6
REYQ24		Ø34.9[a]	
REYQ26~	Ø19.1		

(a) See the general note on page 8.

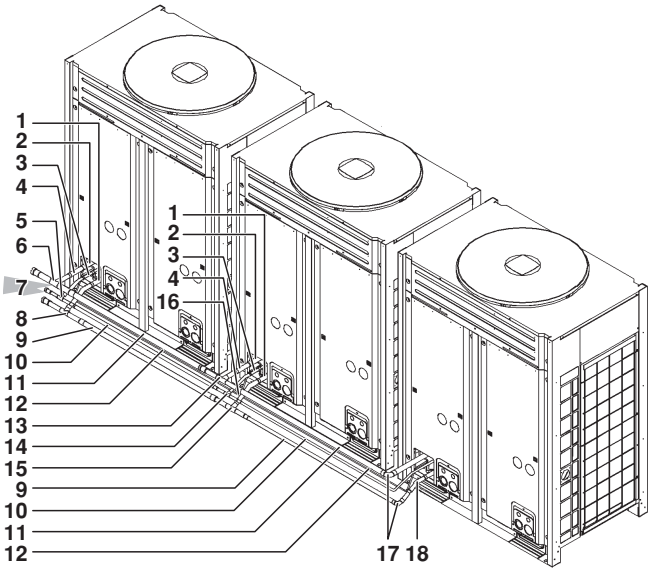
For connection between outdoor unit and connection piping kit.

Table 12

Outdoor units capacity type	Pipe size (Unit: mm) Liquid	Suction gas	Discharge gas
REYQ10	Ø9.5	Ø22.2	Ø19.1
REYQ12	Ø12.7	Ø28.6	
REYQ14			Ø22.2
REYQ16			

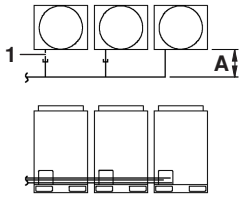
■ Cut the pipe with a pipe cutter. (See the figure in "Cut the pipe with a pipe cutter." on page 2)

In case of front piping

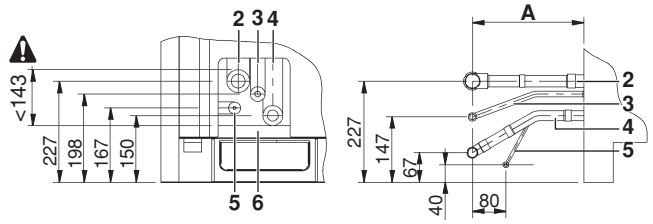


1	Reducer for discharge gas pipe (1)	**9**	Discharge gas pipe (field supply)
2	Suction gas pipe supplied with the outdoor unit	**10**	Liquid pipe (field supply)
3	Reducer for liquid pipe	**11**	Suction gas pipe (field supply)
4	Reducer for suction gas pipe (1)	**12**	Oil pipe (field supply)
5	Liquid side joint (1)	**13**	Suction gas side joint (2)
6	Suction gas side joint (1)	**14**	Liquid side joint (2)
7	To indoor unit	**15**	Discharge gas side joint (2)
8	Discharge gas side joint (1)	**16**	Oil side joint
		17	Joint (field supply) (angle of 90°)
		18	Reducer for discharge gas pipe (2)

- In case of using the gas pipe as supplied with the outdoor unit, size A is 250~280 mm.



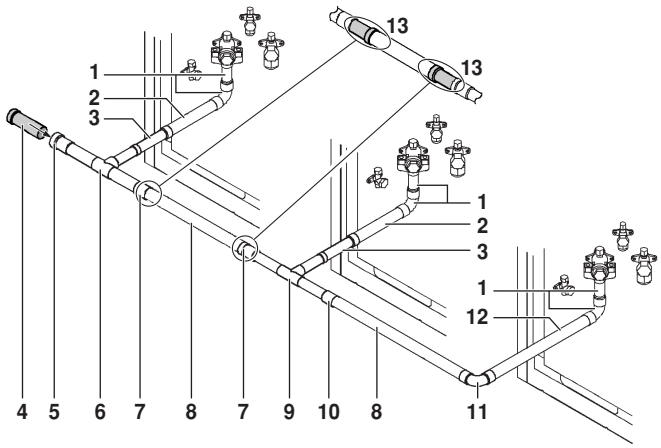
A	250 (standard)~280 mm
1	Gas pipe supplied with the outdoor unit
2	Suction gas pipe
3	Liquid pipe
4	Discharge gas pipe
5	Oil pipe
6	Bottom frame



1. Installation of suction gas pipes

Connection of suction gas piping

- Connect the suction gas pipe with the suction gas side joint (see figure below).
- Execute brazing of the refrigerant piping according to the installation manual of the outdoor unit.



1	Suction gas pipe supplied with the outdoor unit
2	Suction gas pipe supplied with the outdoor unit (refer to Table 6 for cutting position)
3	Reducer for suction gas pipe (1) (refer to Table 6 for cutting position)
4	Reducer for suction gas pipe (2 or 3) (see the general note on page 8)
5	According to Table 10, cut the joint with a pipe cutter or see the general note on page 8
6	Suction gas side joint (1)
7	According to Table 11, eventually cut the joint with a pipe cutter and see the general note on page 8
8	Suction gas pipe (field supply)
9	Suction gas side joint (2)
10	According to Table 12, cut the joint with a pipe cutter
11	Joint (field supply) (angle of 90°)
12	Suction gas pipe (field supply) (refer to Table 6 for cutting position)
13	Reducer for suction gas pipe (2) (see the general note on page 8)

2. Installation of discharge gas pipes

Cutting the reducer for discharge gas pipe (1+2) and discharge gas pipe

Cut the reducers (1+2) and discharge gas pipes according to the dimensions in the following table (▬ the portion not used.)

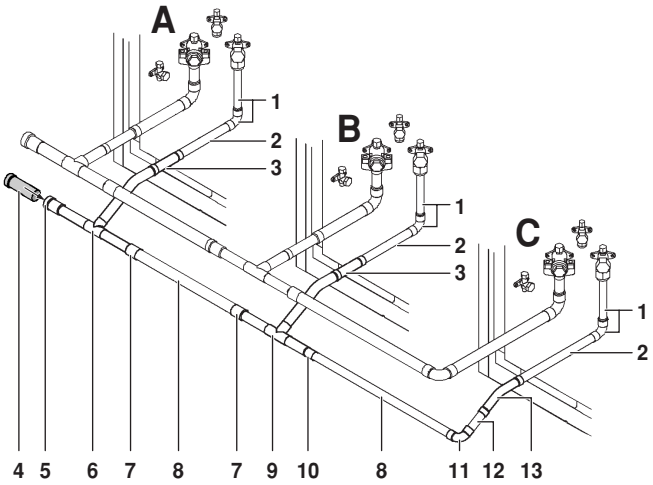
Table 13

Outdoor units capacity type	Reducer (1)	Reducer (2)
REYQ10 REYQ12 REYQ14 REYQ16	To discharge gas pipe supplied with the outdoor unit REYQ12,14,16 Cutting position in function of capacity type of outdoor units To discharge gas side joint	REYQ12,14,16 Cutting position in function of capacity type of outdoor units REYQ12,14,16 Cutting position in function of capacity type of outdoor units

Outdoor units capacity type	Discharge gas pipe (supplied with the outdoor unit) B (mm) Outdoor units A and B	Outdoor unit C		Discharge gas pipe (field supply) L (mm)	
REYQ10 REYQ12	101	200	B (Cutting position)	54	L
REYQ14 REYQ16	125	224		78	

Connection of discharge gas piping

- Connect the discharge gas pipe with the discharge gas side joint (see figure below).
- Execute brazing of the refrigerant piping according to the installation manual of the outdoor unit.

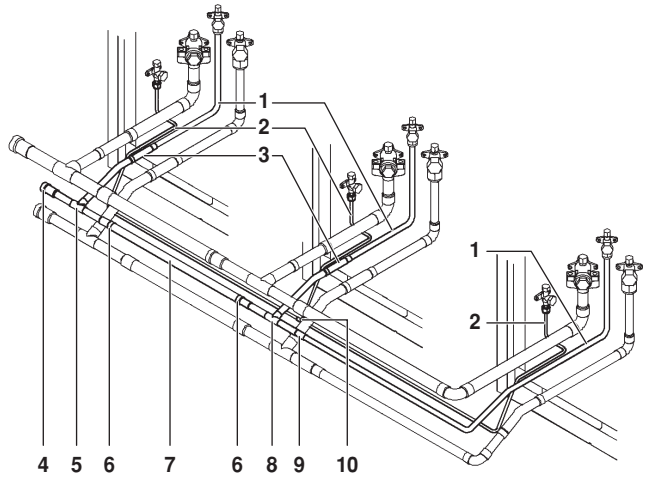


1	Discharge gas pipe supplied with the outdoor unit
2	Discharge gas pipe supplied with the outdoor unit (refer to Table 13 for cutting position)
3	Reducer for discharge gas pipe (1)(refer to Table 13 for cutting position)
4	Reducer for suction gas pipe (2) (see the general note on page 8)
5	According to Table 10, cut the joint with a pipe cutter
6	Discharge gas side joint (1)
7	According to Table 11, cut the joint with a pipe cutter
8	Discharge gas pipe (field supply)
9	Discharge gas side joint (2)
10	According to Table 12, cut the joint with a pipe cutter
11	Joint (field supply) (angle of 90°)
12	Discharge gas pipe (field supply) (refer to Table 13 for cutting position)
13	Reducer for discharge gas pipe (2)(refer to Table 13 for cutting position)

3. Connection of liquid pipes and oil pipe

Installation of liquid pipes and oil pipe

- Connect the liquid pipe with the liquid side joint (see figure below).
- Execute brazing of the refrigerant piping according to the installation manual of the outdoor unit.

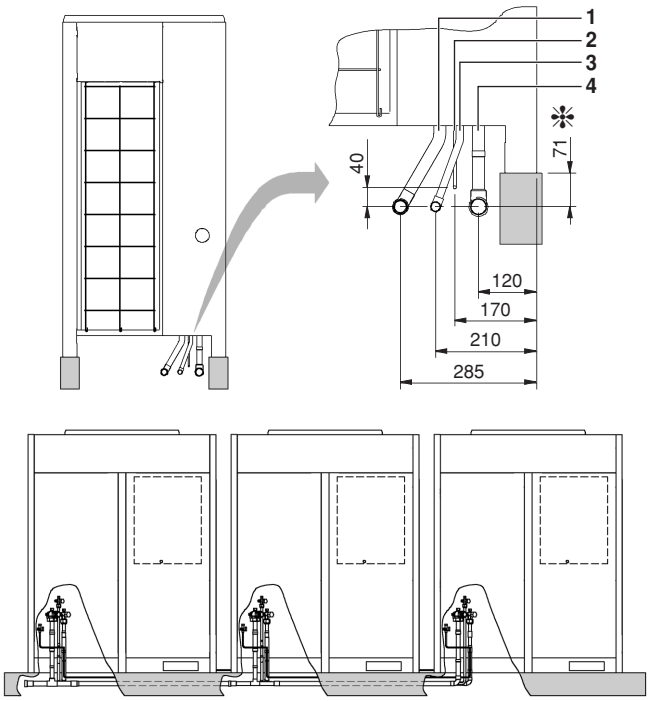


1	Liquid pipe (field supply)
2	Oil pipe (field supply)
3	Reducer for liquid pipe (refer to Table 8)
4	According to Table 10, cut the joint with a pipe cutter
5	Liquid side joint (1)
6	According to Table 11, cut the joint with a pipe cutter
7	Liquid pipe (field supply)
8	Liquid side joint (2)
9	According to Table 12, cut the joint with a pipe cutter
10	Oil pipe joint

4. After connection of the piping

Refer to paragraph "4. After connection of the piping" on page 4.

In case of bottom piping



1	Discharge gas pipe
2	Oil pipe
3	Liquid pipe
4	Suction gas pipe

Be sure to foresee enough space for brazing and piping work under the unit.

Refer to the tables 14 and 15 for deciding upon field piping length (❊) in case a central drain pan kit and/or a vibration proof frame kit is installed.

Table 14

Option kit	❊ length (Units: mm)
None	71
Central drain pan	110
Vibration proof frame	193
Vibration proof frame + central drain pan	193

Cutting the joints and reducers

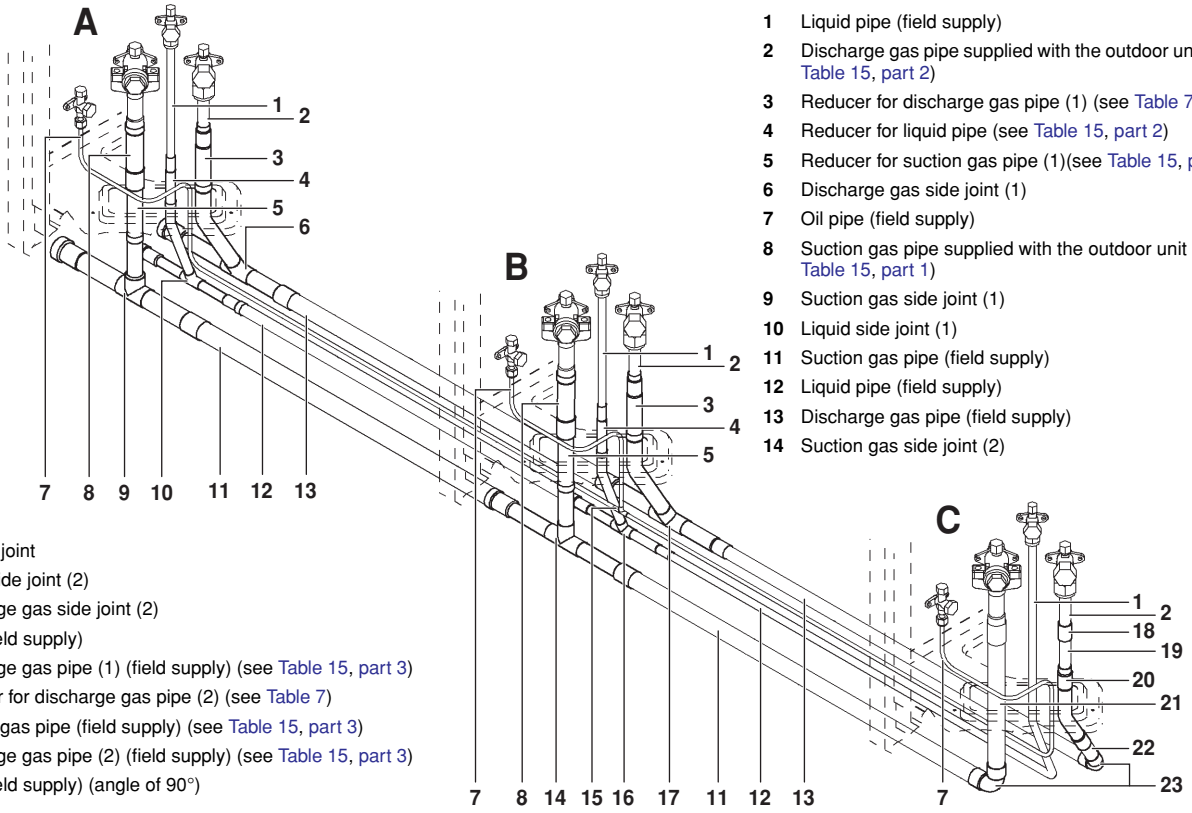
Cut the joints at the correct positions according to Tables 10 , 11 and 12.

Connection piping

Connect the pipes with the joints (see the figure in "In case of bottom piping" on page 7).

Cutting the reducers and pipes

Cut the reducers and the pipes at the correct positions according to Table 15.



1 Liquid pipe (field supply)
2 Discharge gas pipe supplied with the outdoor unit (see Table 15, part 2)
3 Reducer for discharge gas pipe (1) (see Table 7)
4 Reducer for liquid pipe (see Table 15, part 2)
5 Reducer for suction gas pipe (1)(see Table 15, part 1)
6 Discharge gas side joint (1)
7 Oil pipe (field supply)
8 Suction gas pipe supplied with the outdoor unit (see Table 15, part 1)
9 Suction gas side joint (1)
10 Liquid side joint (1)
11 Suction gas pipe (field supply)
12 Liquid pipe (field supply)
13 Discharge gas pipe (field supply)
14 Suction gas side joint (2)
15 Oil pipe joint
16 Liquid side joint (2)
17 Discharge gas side joint (2)
18 Joint (field supply)
19 Discharge gas pipe (1) (field supply) (see Table 15, part 3)
20 Reducer for discharge gas pipe (2) (see Table 7)
21 Suction gas pipe (field supply) (see Table 15, part 3)
22 Discharge gas pipe (2) (field supply) (see Table 15, part 3)
23 Joint (field supply) (angle of 90°)

NOTE In case your installation requires field piping of Ø34.9 or Ø41.3, refer to dedicated installation paragraphs in chapter "In case of front piping" on page 6.

Table 15 part 1

Outdoor units capacity type	Reducer suction gas pipe (1) A (mm) ❊ length 71	110	193	Suction gas pipe (supplied with the unit) B (mm) ❊ length 71	110	193
REYQ10	72	33	0	117	117	67
REYQ12	0	0		125	86	3
REYQ14						
REYQ16						

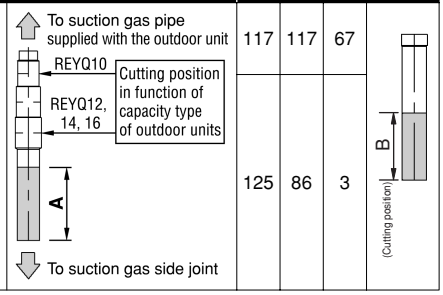
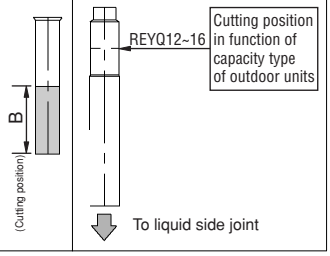


Table 15 part 2

Outdoor units capacity type	Discharge gas pipe (supplied with the unit) Outdoor unit A B (mm) ❊ length 71	110	193	Outdoor unit B B (mm) ❊ length 71•110•193	Reducer for liquid pipe
REYQ10	64	25	0/129(a)	0	
REYQ12					
REYQ14				75	
REYQ16					



(a) 129 = 0 + joint + pipe (field supply)

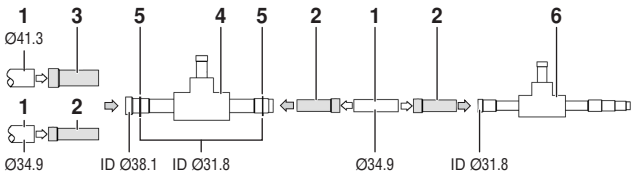
Table 15 part 3

Outdoor units capacity type	Discharge gas pipe (1) (field supply) L (mm) ❊ length 71	110	193	Discharge gas pipe (2) (field supply) L (mm) ❊ length 71	110	193	Suction gas pipe (field supply) L (mm) ❊ length 71	110	193	
REYQ10	0	39	122	54	93	176	298	337	420	L
REYQ12										
REYQ14	87	126	209	78	115	198				
REYQ16										

After connection of the piping

Refer to paragraph "4. After connection of the piping" on page 4.

NOTE In case your installation requires gas side field piping of Ø34.9 or Ø41.3 in function of the outdoor units capacity type, proceed as follows for installation of additional suction gas pipe reducers (2) + (3)



1 Field piping
2 Reducer for suction gas pipe (2)
3 Reducer for suction gas pipe (3)
4 Gas side joint (1)
5 Cut at the center of the connections with a pipe cutter
6 Suction gas side joint (2)