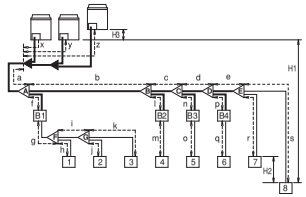
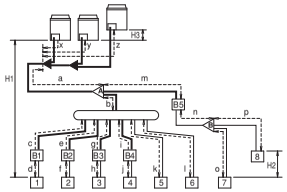
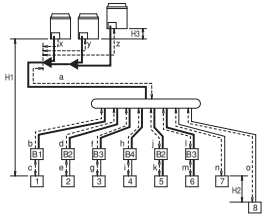
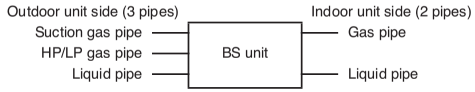
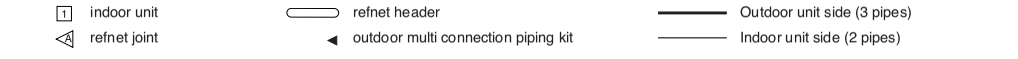
Example of connection
(Connection of 8 indoor units)

	Branch with refnet joint	Branch with refnet joint and refnet header	Branch with refnet header
Outdoor units installed in a multiple outdoor unit system (REYQ18~48 + REYHQ16 + REYHQ20~24)			

Use the outdoor unit multi connection piping kit that is sold separately as an option (BHFQ23P907+1357) for the multi installation of outdoor units. Selection method is as shown in the right table.



Install the joint part (◄ part in the figure) of the outdoor unit multi connection piping kit horizontally with attention to the installation restrictions described in "connecting the refrigerant piping".
(*) In case of multi combination, interprete the word "outdoor" as "first outdoor branch".



Maximum allowable length	Between outdoor and indoor units	Actual pipe length	Pipe length between outdoor(*) and indoor units ≤165 m		
			[Example] unit 8: a+b+c+d+e+s≤165 m	[Example] unit 6: a+b+l≤165 m, unit 8: a+m+n+p≤165 m	[Example] unit 8: a+o≤165 m
		Equivalent length	Equivalent pipe length between outdoor(*) and indoor units ≤190 m (Assume equivalent pipe length of the refnet joint to be 0.5 m, of the refnet header to be 1.0 m, of the BSVQ100 and BSVQ160 to be 4 m and of the BSVQ250 to be 6 m (for calculation purposes)) (See note 1)		
		Total extension length	Total piping length from outdoor(*) to all indoor units ≤1000 m		
	Between the first outdoor unit multi connection piping kit and outdoor unit (in case of a multiple outdoor unit system)	Actual and equivalent pipe length	The actual pipe length from the first outdoor unit multi connection piping kit to the outdoor unit ≤10 m. (x≤10 m, y≤10 m, z≤10 m) The equivalent pipe length from the first outdoor unit multi connection piping kit to the outdoor unit ≤13 m. (x≤13 m, y≤13 m, z≤13 m)		
Allowable height difference	Between outdoor and indoor units		Difference in height between outdoor and indoor units (H1)≤50 m (≤40 m if outdoor unit is located in a lower position).		
	Between indoor and indoor units		Difference in height between adjacent indoor units (H2)≤15 m		
	Between outdoor and outdoor units		Difference in height between adjacent outdoor units (H3)≤5 m		
Allowable length after the branch		Actual pipe length	Pipe length from first refrigerant branch kit (either refnet joint or refnet header) to indoor unit ≤40 m (See note 2)		
			[Example] unit 8: b+c+d+e+s≤40 m	[Example] unit 6: b+l≤40 m, unit 8: m+n+p≤40 m	[Example] unit 8: o≤40 m

Outdoor unit multi connection piping kit and refrigerant branch kit selection

Refrigerant branch kits can only be used with R410A.

How to select the refnet joint
When using refnet joints at the first branch counted from the outdoor unit side, choose from the following table in accordance with the capacity of the outdoor unit (example: refnet joint A).

Outdoor unit capacity type (Hp)	Refrigerant branch kit name
8+10	KHRQ23M29T
12~22	KHRQ23M64T
≥24	KHRQ23M75T

For refnet joints other than the first branch, select the proper branch kit model based on the total capacity index of all indoor units connected after the refrigerant branch.

Indoor capacity type	Refrigerant branch kit name	
	3 pipes	2 pipes
<200	KHRQ23M20T	KHRQ22M20T
200≤x<290	KHRQ23M29T9	KHRQ22M29T
290≤x<640	KHRQ23M64T	KHRQ22M64T
≥640	KHRQ23M75T	KHRQ22M75T

How to select the refnet header
Choose from the following table in accordance with the total capacity of all the indoor units connected below the refnet header.
Note: 250 type indoor unit can not be connected lower than the refnet header.

Indoor capacity type	Refrigerant branch kit name	
	3 pipes	2 pipes
<200	KHRQ23M29H	KHRQ22M29H
200≤x<290	KHRQ23M29H	KHRQ22M29H
290≤x<640	KHRQ23M64H	KHRQ22M64H
≥640	KHRQ23M75H	KHRQ22M75H

How to choose an outdoor multi connection piping kit (this is required when the system is a multiple outdoor unit system)

Choose from the following table in accordance with the number of outdoor units

Number of outdoor units	Branch kit name
2	BHFQ23P907
3	BHFQ23P1357

Example of downstream indoor units	[Example] in case of refnet joint C: indoor units 5+6+7+8	[Example] in case of refnet joint B: indoor units 7+8, in case of refnet header: indoor units 1+2+3+4+5+6	[Example] in case of refnet header: indoor units 1+2+3+4+5+6+7+8