

Example of connection (Connection of 8 indoor units Heat pump system)		Branch with refnet joint		Branch with refnet joint and refnet header		Branch with refnet header															
<p>▲ Use the outdoor unit multi connection piping kit that is sold separately as an option (BHFQ22P1007+1517) for the multi installation of outdoor units. Selection method is as shown in the right table.</p> <p>• Do not use the outdoor unit multi connection piping kit (BHFQ22M909+1359) that are sold separately as an option of the M-type series and do not use T-joints.</p> <p> indoor unit refnet joint refnet header outdoor multi connection piping kit </p> <p>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".</p> <p>(*) If the system capacity is RXY(H)Q20 or more, re-read to the first outdoor branch as seen from the indoor unit.</p>	One outdoor unit installed (RXY(Y)Q5~18 + RXY(H)Q12)																				
	Outdoor units installed in a multiple outdoor unit system (RXY(Q)20~54 + RXY(H)Q16~36)																				
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+h≤165 m	[Example] unit 8: a+i+k≤165 m	[Example] unit 8: a+i+k≤165 m														
	Between outdoor branch and outdoor unit (Only for RXY(H)Q20 or more)	Equivalent length	Equivalent pipe length between outdoor(*) and indoor units ≤190 m (Assume equivalent pipe length of refnet joint to be 0.5 m and of the refnet header to be 1.0 m. (for calculation purposes))																		
Allowable height	Between outdoor and indoor units	Total extension length	Total piping length from outdoor unit* to all indoor units ≤1000 m																		
	Between indoor and indoor units	Actual pipe length	Piping length from outdoor branch to outdoor unit ≤10 m. Approximate length: max. 13 m																		
	Between outdoor and outdoor units	Difference in height	Difference in height between outdoor and indoor units (H1)≤50 m (≤40 m if outdoor unit is located in a lower position).				r≤10 m (Approximate length: max. 13 m)														
	Between outdoor and outdoor units	Difference in height	Difference in height between adjacent indoor units (H2)≤15 m				s≤10 m (Approximate length: max: 13 m)														
Allowable length after the branch	Between outdoor and outdoor units	Difference in height	Difference in height between outdoor unit (main) and outdoor unit (sub) (H3)≤5 m				t≤10 m (Approximate length: max: 13 m)														
	Between outdoor and outdoor units	Actual pipe length	Pipe length from first refrigerant branch kit (either refnet joint or refnet header) to indoor unit ≤40 m (See note 1 on next page)		[Example] unit 8: i+k≤40 m	[Example] unit 8: i+k≤40 m															
Refrigerant branch kit selection	Refrigerant branch kits can only be used with R410A.																				
			<p>How to select the refnet joint</p> <ul style="list-style-type: none"> 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. <table border="1"> <thead> <tr> <th>Outdoor unit capacity type</th> <th>Refrigerant branch kit name</th> </tr> </thead> <tbody> <tr> <td>RXY(Y)Q5</td> <td>KHRQ22M20T</td> </tr> <tr> <td>RXY(Y)Q8+10</td> <td>KHRQ22M29T9</td> </tr> <tr> <td>RXY(Y)Q12~18 + RXY(Q)20+22 + RXY(H)Q12 + RXY(H)Q16~22</td> <td>KHRQ22M64T</td> </tr> <tr> <td>RXY(Q)24~54 + RXY(H)Q24~36</td> <td>KHRQ22M75T</td> </tr> </tbody> </table> <p>• For refnet joints other than the first branch, select the proper branch kit model based on the total capacity index.</p>		Outdoor unit capacity type	Refrigerant branch kit name	RXY(Y)Q5	KHRQ22M20T	RXY(Y)Q8+10	KHRQ22M29T9	RXY(Y)Q12~18 + RXY(Q)20+22 + RXY(H)Q12 + RXY(H)Q16~22	KHRQ22M64T	RXY(Q)24~54 + RXY(H)Q24~36	KHRQ22M75T							
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			<p>How to select the refnet header</p> <ul style="list-style-type: none"> Choose from the following table in accordance with the total capacity of all the indoor units connected below the refnet header. Note: 250 type cannot be connected below the refnet header. <table border="1"> <thead> <tr> <th>Indoor capacity type</th> <th>Refrigerant branch kit name</th> </tr> </thead> <tbody> <tr> <td>≤290</td> <td>KHRQ22M29H (Max. 8 branch)</td> </tr> <tr> <td>290≤x<640</td> <td>KHRQ22M64H (Max. 8 branch)^(a)</td> </tr> <tr> <td>≥640</td> <td>KHRQ22M75H (Max. 8 branch)</td> </tr> </tbody> </table> <p>(a) See note 2 on next page</p> <p>How to choose an outdoor multi connection piping kit (needed if the outdoor unit capacity type is RXY(H)Q20 or more.)</p> <ul style="list-style-type: none"> Choose from the following table in accordance with the number of outdoor units. <table border="1"> <thead> <tr> <th>Number of outdoor units</th> <th>Branch kit name</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>BHFQ22P1007</td> </tr> <tr> <td>3</td> <td>BHFQ22P1517</td> </tr> </tbody> </table>		Indoor capacity type	Refrigerant branch kit name	≤290	KHRQ22M29H (Max. 8 branch)	290≤x<640	KHRQ22M64H (Max. 8 branch) ^(a)	≥640	KHRQ22M75H (Max. 8 branch)	Number of outdoor units	Branch kit name	2	BHFQ22P1007	3	BHFQ22P1517			
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	Example of downstream indoor units		<p>[Example] in case of refnet joint B; indoor units 7+8, in case of refnet header; indoor units 1+2+3+4+5+6</p>		[Example] in case of refnet header; indoor units 1+2+3+4+5+6+7+8																