

VRV4-Q

Heat pump

Piping restrictions ·1/3·

For the reference drawing, see page ·2/3·.	Maximum piping length			Maximum height difference			Total piping length
	Longest pipe (A+[B,J])	After first branch (B,J)	After first branch (for multi-outdoor) (D)	Indoor-to-outdoor (H1) Outdoor above indoor / (indoor above outdoor)	Indoor-to-indoor (H2)	Outdoor-to-outdoor (H3)	
	Actual / (Equivalent)	Actual	Actual / (Equivalent)				
Standard ·VRV DX· indoor units only For standard multi-combinations	120/(150)m	40m ⁽¹⁾	10/(13)m	50/(40)m	15m	5m	300m
·AHU· connection Pair	50/(55)m ⁽²⁾	-	-	40/(40)m	-	-	-

Remark

- (1) If all conditions below are met, the limitation can be extended up to 90 m
- a. The piping length between all indoor units and the nearest branch kit is ≤ 40m.

b. It is necessary to increase the size of the gas and liquid piping.
If the increased pipe size is larger than the pipe size of the main pipe, also increase the size of the main pipe.

c. When the piping size is increased, the piping length has to be counted as double.
The total piping length has to be within limitations.

d. The piping length difference between the nearest indoor unit from the first branch to the outdoor unit and the farthest indoor unit to the outdoor unit is ≤ 40-m.
- (2) The allowable minimum length is 5· m.