

## VRV4-Q Heat Pump Field Piping Restrictions (1/3)

Reference drawing see  
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		Maximum piping length			Maximum height difference			Total Piping Length
		Longest pipe (A+(B,J))  Actual / (Equivalent)	After first branch (B,J)  Actual	After first branch for outdoor multi (D)  Actual / (Equivalent)	Indoor to outdoor (H1)  outdoor above indoor / (indoor above outdoor)	Indoor to indoor (H2)	Outdoor to outdoor (H3)	
Standard Only VRV DX indoor connected Standard multi combination		120/(150)m	FXYS*K*	10/(13)m	50/(40)m	15m	5m	300m
AHU connection	Pair	50/(55)m <sup>(1)</sup>	-	-	40/(40)m	-	-	-

## NOTES

For standard multi combinations; see 3D079534

- (1) Extension is possible if all below conditions are met (limitation can be extended up to 90m)
  - a. The piping length between all indoor to the nearest branch kit is  $\leq 40$ m.
  - b. It is necessary to increase the pipe size of the gas and liquid piping if the pipe length between the first and the final branch kit is over 40m  
If the increased pipe size is larger than the pipe size of the main pipe, then the pipe size of the main pipe has to be increased as well
  - c. When the piping size is increased (b), the piping length has to be counted as double. The total piping length has to be within limitations (see table above).
  - d. The piping length difference between the nearest indoor from first branch to the outdoor unit and farthest indoor to the outdoor unit is  $\leq 40$ m
- (2) The allowable minimum length is 5 m.