

Tubing Length - Sanyo SPW-X483GH56 Installation Instruction

Eco multi system air conditioner

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Bookmarks



1-5. Tubing Length

Refrigerant tubing between the indoor and outdoor units should be kept as short as possible.

● Refrigerant tubing between the indoor and outdoor units should be kept as short as possible.

L2

LB

1

2

L4

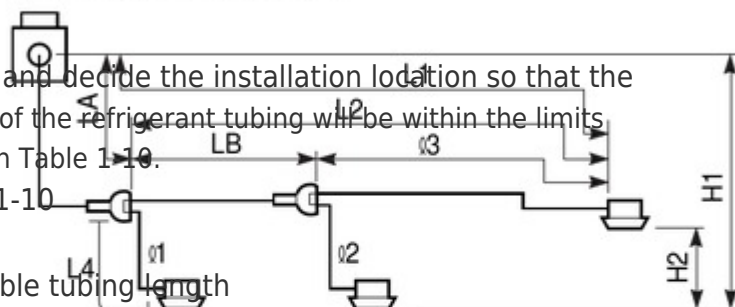
Select and decide the installation location so that the length of the refrigerant tubing will be within the limits given in Table 1-10.

Table 1-10

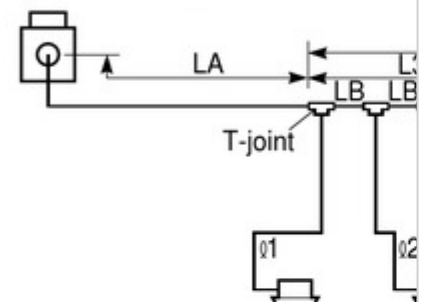
Items

Allowable tubing length

Installation Example 1



Installation Example 2



Allowable elevation difference

5.5.1 Tubing Length

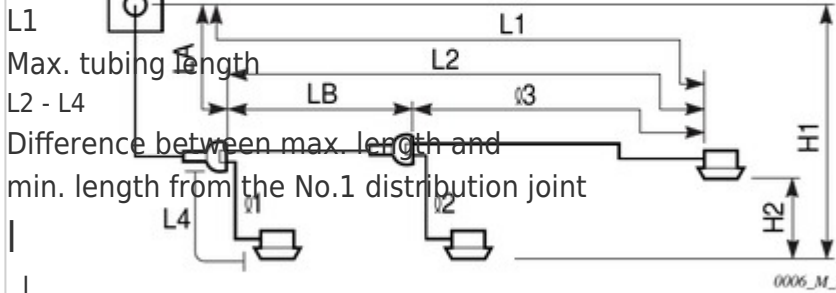
header tube

Refrigerant tubing between the indoor and outdoor units should be kept as short as possible.

L1
3
0006_M_1

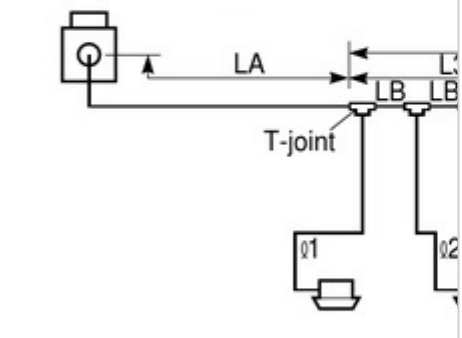
Installation Example 1

Model
Marks



Select and decide the installation location so that the length of each distribution joint will be within the limits given in Table 1-10.

Installation Example 2



Symbol meanings:
 : Optional distribution joint
 : T-joint (field supply)
 : Weld solidly (pinch shut)

Table 1-10 Total max. tubing length including length of

		Model	
Items	Marks	Contents	
Allowable tubing length	L1	Max. tubing length	Actual length
			Equivalent length
When outdoor unit is installed higher than indoor unit			
H1			
When outdoor unit is installed lower than indoor unit			
H2	L2 - L4	Difference between max. length and min. length from the No.1 distribution joint	
Max. difference between indoor units	$l_1, l_2, \sim l_n$	Max. length of each distribution joint	
L3	L1 + L1	Total max. tubing length including length of each distribution joint	
Max. tubing length between the first T-joint and terminated (weld shut) end point			
Allowable elevation difference	H1	When outdoor unit is installed higher than indoor unit	
		When outdoor unit is installed lower than indoor unit	
	H2	Max. difference between indoor units	
Allowable length of header tube	LB	Max. tubing length between the first T-joint and terminated (weld shut) end point	

L = Length; H = Height

Actual length
Equivalent length

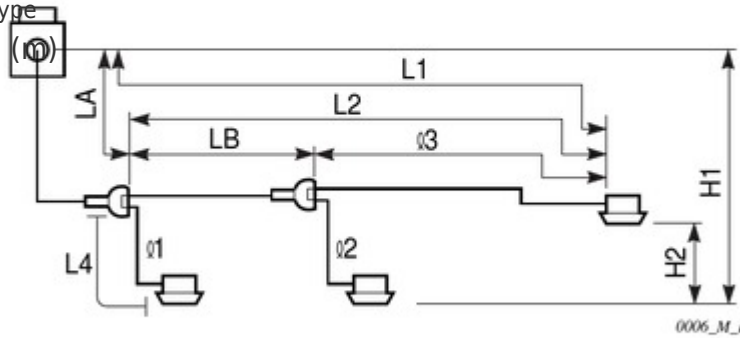
8
S4179544
L2
L3
LB
LB LB
2
3
0007_M_1

1-5. Tubing Length

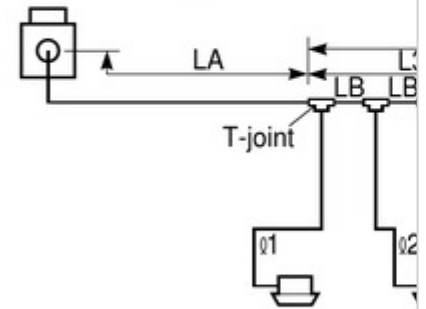
- Refrigerant tubing between the indoor and outdoor units should be kept as short as possible.

48 Type
70, 90 Type
Length (m)

Installation Example 1



Installation Example 2



Select and decide the installation location so that the length of the refrigerant tubing will be within the limits given in Table 1-10.

Symbol meanings:

- : Optional distribution joint
- : T-joint (field supply)
- : Weld solidly (pinch shut)

Table 1-10

Model			
Items	Marks	Contents	
Allowable tubing length	L1	Max. tubing length	Actual length
			Equivalent length
	L2 - L4	Difference between max. length and min. length from the No.1 distribution joint	
	$l_1, l_2, \sim l_n$	Max. length of each distribution joint	
	$l_1+l_2+\sim+l_{n-1}+L1$	Total max. tubing length including length of each distribution joint	
Allowable elevation difference	H1	When outdoor unit is installed higher than indoor unit	
		When outdoor unit is installed lower than indoor unit	
	H2	Max. difference between indoor units	
Allowable length of header tube	L3	Max. tubing length between the first T-joint and terminated (weld shut) end point	

L = Length; H = Height

50
30
15
2

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