

Tubing Length - Sanyo R410A Installation Instructions Manual

W-3way eco-i system air conditioner

1

2

3

4

5

Table Of Contents

6

7

8

9

10

11

12

13

14

15

16

17

18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54

--

•

[Table of Contents](#)

•

Bookmarks



1-5. Tubing Length

Select the installation location so that the length and size of refrigerant tubing are within the allowable range shown in the figure below.

Balance tubing

3/8"

(\varnothing)

)

Explanation of symbols

Distribution joint

(APR: purchased separately)

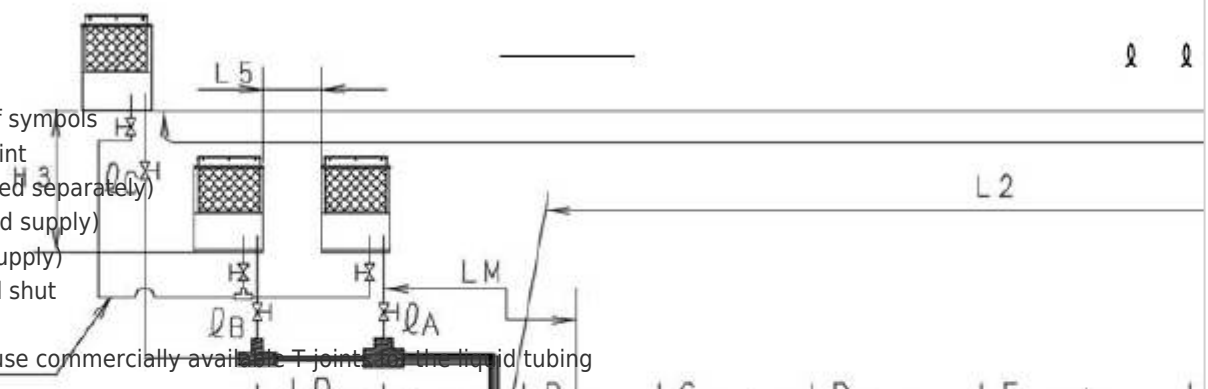
Ball valve (field supply)

T-joint (field supply)

Solidly welded shut

(pinch weld)

Note: Do not use commercially available T-joints for the liquid tubing



* Be sure to use special R410A distribution joints (APR: purchased separately) for outdoor unit connections and tubing branches.

Table 1-2 Ranges that Apply to Refrigerant Tubing Lengths and to Differences in Installation Heights

Item

Allowable tubing length

$L1 + +$

$A + B + LF + LG + LH$ each distribution tube (only liquid tubing)

Allowable elevation difference

Allowable length of joint tubing
 $L = \text{Length}, H = \text{Height}$

1:

The outdoor connection main tubing (LO portion) is determined by the total capacity of the outdoor units that are connected to the tube ends.

2:

If the longest tubing length ($L1$) exceeds 295 ft. (equivalent length), increase the sizes of the main tubes (LM)

by 1 rank for the discharge tubes, suction tubes, and narrow tubes. (field supplied)

3:

If the longest main tube length (LM) exceeds 164 feet, increase the main tube size at the portion before 164 ft.

by 1 rank for the suction tubes and discharge tubes. (field supplied)

(For the portion that exceeds 164 feet, set based on the main tube sizes (LA) listed in the table on the following page.)

1.

2.

3. The outdoor connection main tubing (LO portion) is determined by the total capacity of the outdoor units that are connected to the tube ends.

4.

Max. 1.3 ft

Max. 1.3 ft

Mark

$L1$

Max. tubing length

Difference between max. length and min.

$L (L2 - L4)$

length from the No. 1 distribution joint

LM

Max. length of main tubing (at max. diameter)

,
 $\varnothing \varnothing \varnothing +$

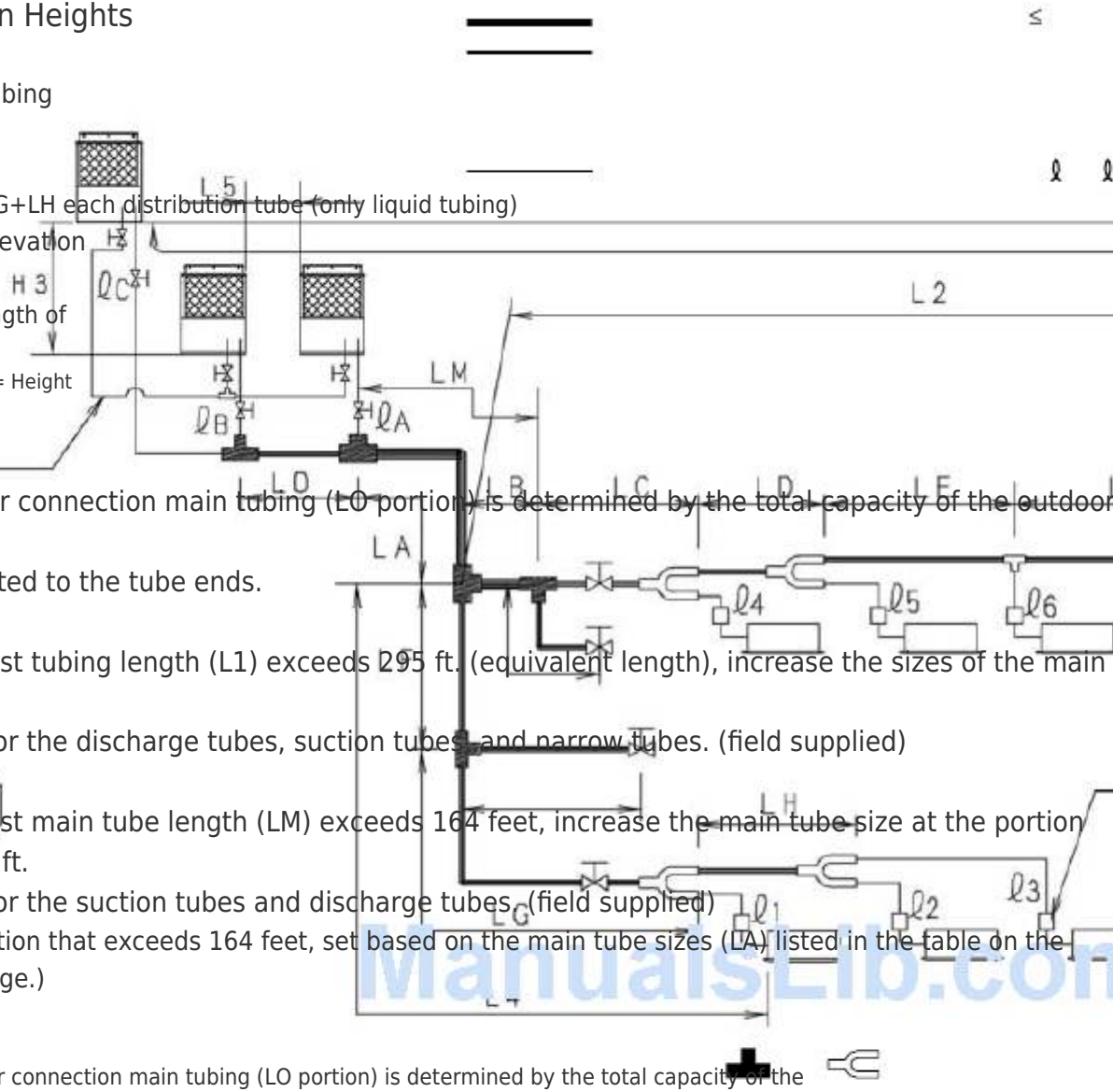
...

40

Max. length of each distribution tube

1

2



ManualLib.com

[Table of Contents](#)

[Previous Page](#)
[Next Page](#)

1
...
5
6
7
8
9
10
11
12

Quick Links:

[Remote Controller Test Run Settings](#)

[Meaning of Alarm Messages](#)

Related Manuals for Sanyo R410A

[Air Conditioner Sanyo PW-UMR184EXH56 Installation And Operation Manual](#)

Eco-i system air conditioner (36 pages)

[Air Conditioner Sanyo ECO-i AHX0752 Technical Data Manual](#)

(265 pages)

[Air Conditioner Sanyo MINI ECO-i XHX1252 Service Manual & Test Run Service Manual](#)

(190 pages)

[Air Conditioner Sanyo ECO-i CHDZR07263 Series Service Manual](#)

(146 pages)

[Air Conditioner Sanyo CHDXR09663* Service Manual](#)

2-way eco-i multi system (142 pages)

[Air Conditioner Sanyo CHDZ07263 Service Manual](#)

(128 pages)

[Air Conditioner Sanyo AHX0752 Service Manual](#)

W-2way eco-i multi system (114 pages)

[Air Conditioner Sanyo W-3WAY ECO-i 85464369098000 Installation Instructions Manual](#)

W-3way eco-i system air conditioner (106 pages)

[Air Conditioner Sanyo 85464359982001 Installation Instructions Manual](#)

W-2way system air conditioner (96 pages)

[Air Conditioner Sanyo Mini ECO-i CHXR03652 Service Manual](#)

(93 pages)

[Air Conditioner Sanyo Mini ECO-i 85464359981002 Installation Instructions Manual](#)

Sanyo air conditioner installation instructions (90 pages)

[Air Conditioner Sanyo XM18AAB Installation Instructions Manual](#)

W-2way system air conditioner (50 pages)

[Air Conditioner Sanyo ECO R410A Installation Instructions Manual](#)

Eco-i system air conditioner (48 pages)

[Air Conditioner Sanyo THX2452 User Manual](#)

(4 pages)

[Air Conditioner Sanyo DHX4852 Manual](#)

Indoor unit (4 pages)

[Air Conditioner Sanyo THX1852 Manual](#)

Indoor unit (4 pages)

Related Content for Sanyo R410A

[SAP-K9AP Tubing Length](#)

Sanyo SAP-K9AP

[KH2442 / CH2442 Tubing Length](#)

Sanyo KH2442 / CH2442

[CH2442 Tubing Length](#)

Sanyo CH2442

[W-3WAY ECO-i 85464369098000 Tubing Length](#)

Sanyo W-3WAY ECO-i 85464369098000

[Mini ECO-i 85464359981002 Tubing Length](#)

Sanyo Mini ECO-i 85464359981002

[PNR-XS2432 Tubing Length](#)

Sanyo PNR-XS2432

[85464359982001 Tubing Length](#)

Sanyo 85464359982001

[SAP-K71GH Recommended Wire Length And Diameter](#)

Sanyo SAP-K71GH

This manual is also suitable for:

[Xhx1252Xhx1852Xhx2452Xhx3652Xmhx1252Xmhx1852](#) ... [Show all](#)