



# Check Of Density Limit - Sanyo ECO R410A Installation Instructions Manual

Eco-i system air conditioner



1

2

3

Table Of Contents

4

5

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

---

•

[Table of Contents](#)

- 

Troubleshooting

•

## Bookmarks







## **Check of Density Limit**

The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its density will not exceed a set limit.

The refrigerant (R410A), which is used in the air conditioner, is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws imposed to protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its density should rise excessively. Suffocation from leakage of refrigerant is almost non-existent.

With the recent increase in the number of high density

buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, energy conservation by curtailing heat and carrying power, etc. Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared to conventional individual air conditioners. If a single unit of the multi air conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its density does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).

ASHRAE and the International Mechanical Code of the ICC as well as CSA provide guidance and define safeguards related to the use of refrigerants, all of which define a Refrigerant Concentration Level (RCL) of 25 pounds per 1,000 cubic feet for R410A refrigerant.

For additional guidance and precautions related to refrigerant safety, please refer to the following documents:  
International Mechanical Code 2009 (IMC-2009)  
(or more recently revised)

ASHRAE 15

ASHRAE 34

3

[Table of Contents](#)

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

1  
2  
3  
4  
5  
6  
7

Quick Links:

[Indoor Unit](#)

[Installing the Drain Piping](#)

[Name of Parts](#)

[Care and Cleaning](#)

[Troubleshooting](#)

## Related Manuals for Sanyo ECO R410A

[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 R410A Installation Instructions Manual](#)

W-3way eco-i system air conditioner (54 pages)

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

W-2way system air conditioner (50 pages)

[Air Conditioner Sanyo XHX1252 Instruction Manual](#)

Split system air conditioner (20 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 ECO R410A

[26 series Check Of Density Limit](#)

Sanyo 26 series

[SPW-CR365GXH56 Check Of Density Limit](#)

Sanyo SPW-CR365GXH56

[R410A Check Of Density Limit](#)

Sanyo R410A

[SPW-FTR124EH56 Check Of Density Limit](#)

Sanyo SPW-FTR124EH56

[W-3WAY ECO-i 85464369098000 Check Of Density Limit](#)

Sanyo W-3WAY ECO-i 85464369098000

[Mini ECO-i 85464359981002 Check Of Density Limit](#)

Sanyo Mini ECO-i 85464359981002

[PW-UMR184EXH56 Check Of Density Limit](#)

Sanyo PW-UMR184EXH56



This manual is also suitable for:

[Xhx1252Xhx1852Xhx2452Xhx365Xmhx1252Xmhx1852](#) ... [Show all](#)