



Sanyo SPW-XR254EH56 Installation And Operation Manual

Dc inverter 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

•

[Table of Contents](#)

•

Bookmarks

[Download this manual](#)

Quick Links



R410A Models

SANYO

Indoor Units

SPW-XR254EH56

SPW-XR364EH56

SPW-XR484EH56

Outdoor Units

Outdoor Units

C

* Refrigerant R410A is used in the outdoor units.

Optional Controllers

Remote Controller

Wireless Remote Controller



- DC INVERTER Air Conditioner -

for Refrigerant R410A

SPW-CR254GVH56-C, SPW-CR364GVH56-C, SPW-CR484GVH56-C

SPW-CR254GV56-C, SPW-CR364GV56-C, SPW-CR484GV56-C

RCS-SH80AG

RCS-TH80AG.WL

RCS-BH80AG.WL

RCS-KR1AG

SANYO Airconditioners Europe S.r.l.

Via Bisceglie, No. 76

20152 Milano, Italy

[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

Related Manuals for Sanyo SPW-XR254EH56

[Air Conditioner Sanyo SPW-X253GH56 Service Manual](#)

Split system (105 pages)

[Air Conditioner Sanyo SPW-X483GH56 Installation Instruction](#)

Eco multi system air conditioner (91 pages)

[Air Conditioner Sanyo SPW-C256VH Technical Data & Service Manual](#)

4-way air discharge semi-concealed wall-mounted ceiling-mounted concealed-duct (517 pages)

[Air Conditioner Sanyo Big PACi 18 Series Technical Data & Service Manual](#)

Big pack i dc inverter (275 pages)

[Air Conditioner Sanyo SPW-X253G56 Service Manual](#)

Split system (72 pages)

[Air Conditioner Sanyo SPW-XR253GH56 Technical Data & Service Manual](#)

(223 pages)

[Air Conditioner Sanyo 2-WAY ECO-i SPW-C0705DXHN8 Service Manual](#)

Multi system (143 pages)

[Air Conditioner Sanyo Mini ECO-i SPW-ASR74GXH56\(A/B\) Installation Instructions Manual](#)

System air conditioner (49 pages)

[Air Conditioner Sanyo SPW-K075XH Specification Sheet](#)

M series gas heat pump air conditioner (76 pages)

[Air Conditioner Sanyo ECO G SGP-EGW190M2G2W Brochure & Specs](#)

Gas driven vrf m series (9 pages)

[Air Conditioner Sanyo SPW-C1155DXHN8 Technical Data & Service Manual](#)

2-way eco-i multi system (242 pages)

[Air Conditioner Sanyo MINI ECO-i SPW-CR365GXH56B Service Manual](#)

(252 pages)

[Air Conditioner Sanyo SPW-CR365GXH56 Technical Data Manual](#)

Mini eco-i system (346 pages)

[Air Conditioner Sanyo SPW-T253GH56 Service Manual](#)

Split system (106 pages)

[Air Conditioner Sanyo SPW-CR1503GDYH8 Technical Data & Service Manual](#)

W-eco multi system series (377 pages)

[Air Conditioner Sanyo SPW-CR363GVH8 Service Manual](#)

(262 pages)

Summary of Contents for Sanyo SPW-XR254EH56

[Page 1](#) * Refrigerant R410A is used in the outdoor units. Optional Controllers Remote Controller RCS-SH80AG Wireless Remote Controller RCS-TH80AG.WL RC Wireless Remote Controller RCS-BH80AG.WL Simplified Remote Controller RCS-KR1AG SANYO Airconditioners

[Page 2: Important](#)

IMPORTANT! Please Read Before Starting When Installing... ..In a Room This air conditioning system meets strict safety and operating standards. As the installer or service person, it is an important part of your job to properly insulate any tubing run inside a room to prevent important part of your job to install or service the system so it "sweating"...

[Page 3: Check Of Density Limit](#)

Check of Density Limit 2. The standards for minimum room volume are as follows. The room in which the air conditioner is to be (1) No partition (shaded portion) installed requires a design that in the event of refrigerant gas leaking out, its density will not exceed a set limit.

[Page 4: Table Of Contents](#)

CONTENTS Page Page IMPORTANT2 2-9. Duct for Fresh Air Please Read Before Starting 3.

[Page 5: How To Install The Unit](#)

2. HOW TO INSTALL THE INDOOR UNIT Hole-in-anchor 2-1. Suspending the Indoor Unit Hole-in-plug Concrete Insert This unit uses a drain pump. Use a carpenter's level to check that the unit is level. 2-2. Preparation for Suspending Fix the suspension bolts securely in the ceiling Suspension bolt (M10 or 3/8") using the method shown in the diagrams (Figs.

[Page 6: Placing The Unit Inside The Ceiling](#)

2-3. Placing the Unit Inside the Ceiling When placing the unit inside the ceiling, determine the pitch of the suspension bolts using the (printed on a cardboard packing) supplied full-scale installation diagram. (Fig. 2-4) The size of the opening for the indoor unit can be confirmed by attaching the full-scale installation diagram beneath the unit.

[Page 7: Installing The Drain Piping](#)

2-4. Installing the Drain Piping Transparent part for Hard PVC pipe Hose band checking drainage (not supplied) (supplied) Prepare standard hard PVC pipe for the drain and use the supplied drain hose and hose band to prevent water leaks. The PVC pipe must be purchased separately. The transparent part allows you to check drainage.

[Page 8: Checking The Drainage](#)

2-5. Checking the Drainage After wiring and piping are completed, use the following procedure to check that the water will drain smoothly. For this, prepare a bucket and wiping cloth ready to catch and wipe up spilled water. Do not supply power to the unit until the tubing and wiring to the outdoor unit are completed.

[Page 9: Before Installing The Ceiling Panel](#)

Ceiling Panel Never touch or attempt to move the air direction louver CAUTION by hand or you may damage the unit. Instead, use the remote control unit if you want to change the direction or air flow. 2-6. Before Installing the Ceiling Panel (1) Remove the air-intake grille and air filter from the ceiling panel.

[Page 10: Installing The Ceiling Panel](#)

2-7. Installing the Ceiling Panel Lift the ceiling panel and position it to align the Install the air filter and air-intake grille by performing the panel hook with the panel catch of the indoor unit. ing the steps in section 2-6 in reverse. NOTE NOTE The ceiling panel must be mounted in the correct...

[Page 11: Duct For Fresh Air](#)

2-9. Duct for Fresh Air For fresh air intake There is a duct connection part on sideface of the indoor unit. (Fig. 2-16) Optional air-intake plenum (including duct connection box and flange) can be attached to the indoor unit. Air-intake plenum Type CMB-GSJ80U CMB-GSJ140U...

[Page 12](#) (e) Installing the ceiling panel Duct connection Attach the ceiling panel to the chamber. flange Duct connection box Drawing the panel downwards sets the panel in Installation screws (M4 × 12) position temporarily with the panel catch (at 2 locations). Remove

the socket cover of the air-intake plenum and pass the 8P sockets through it.

[Page 13: Electrical Wiring](#)

3. ELECTRICAL WIRING 3-1. General Precautions on Wiring (1) Before wiring, confirm the rated voltage of the unit (7) Regulations on wire diameters differ from locality as shown on its nameplate, then carry out the to locality. For field wiring rules, please refer to wiring closely following the wiring diagram.

[Page 14: Wiring System Diagrams](#)

3-3. Wiring System Diagrams Indoor unit (No. 1) Outdoor unit Power supply INV unit 220-240V 50Hz Power supply 200-240V 50Hz Ground Remote controller Ground Ground Indoor unit (No. 2) Power supply 220-240V 50Hz Ground Ground Indoor Group control: unit (No. 3) Power supply 220-240V 50Hz...

[Page 15](#) CAUTION (1) When linking outdoor units in a network (S-net link system), disconnect the terminal extended from the short plug (CN003, 2P Black, location: right bottom on the outdoor main control PCB) from all outdoor units except any one of the outdoor units. (When shipping: In shorted condition.) Otherwise the communication of S-net link system is not performed.

[Page 16](#) (5) Use shielded wires for inter-unit control wiring (c) and ground the shield on both sides, otherwise misoperation from noise may occur. (Fig. 3-4) Connect wiring as shown in Section "3-3. Shielded wire Wiring System Diagrams." Ground Ground Loose wiring may cause the terminal to overheat or WARNING result in unit malfunction.

[Page 17: How To Process Tubing](#)

4. HOW TO PROCESS TUBING Deburring The narrow tubing side is connected by a flare nut, Before After and the wide tubing side is connected by brazing. 4-1. Connecting the Refrigerant Tubing Use of the Flaring Method Many of conventional split system air conditioners employ the flaring method to connect refrigerant tubes which run between indoor and outdoor units.

[Page 18: Connecting Tubing Between Indoor And Out- Door Units](#)

Caution Before Connecting Tubes Tightly (1) Apply a sealing cap or water-proof tape to prevent dust or water from entering the tubes before they are used. Apply refrigerant lubricant here and here (2) Be sure to apply refrigerant lubricant to the match- ing surfaces of the flare and union before connect- Fig.

[Page 19: Insulating The Refrigerant Tubing](#)

Do not use a spanner to tighten the valve stem Packed valve Charging port caps. Doing so may damage the valves. Depending on the installation conditions, applying excessive torque may cause the nuts to crack. Valve stem Precautions for Packed Valve Operation If the packed valve is left for a long time with the valve stem cap removed, refrigerant will leak from the valve.

[Page 20: Taping The Tubes](#)

4-4. Taping the Tubes (1) At this time, the refrigerant tubes (and electrical wiring if local codes permit) should be taped together with armoring tape in 1 bundle. To pre- vent the condensation from overflowing the drain pan, keep the drain hose separate from the refrigerant tubing.

[Page 21: Appendix](#)

5. APPENDIX I Name of Parts (Indoor Unit) Water drain Ceiling panel (optional) Air outlet (4 locations) Air intake grille (air intake) I Care and Cleaning 1. For safety, be sure to turn the air conditioner off and also to disconnect the power before WARNING cleaning.

[Page 22](#) 4. Remove the air filter attached to the air intake grille. Latch Safety chain Air intake grille Bolt screws Air filter 1. Certain metal edges and the condenser fins are sharp and may cause injury if handled CAUTION improperly; special care should be taken when you clean these parts. 2.

[Page 23](#) I Nom des pièces (unité intérieure) Drain Panneau de plafond (en option) Sortie d'air (4 emplacements) Grille de l'arrivée d'air (en option) I Entretien et nettoyage 1. Pour toute sécurité, éteignez le climatiseur et débranchez-le de la prise secteur. AVERTISSEMENT 2.

[Page 24](#) <Comment retirer le filtre> 1. Utilisez un tournevis pour retirer la vis à boulon se trouvant de chaque côté des deux verrous. (N'oubliez pas de remettre les deux vis à boulons après le nettoyage.) 2. Appuyez sur les deux verrous de la grille de l'arrivée d'air avec votre pouce dans la direction de la flèche pour ouvrir la grille.

[Page 25](#) | Guide de dépannage Si le climatiseur ne fonctionne pas correctement, effectuez les vérifications suivantes avant de faire appel à un réparateur. Si le problème persiste, prenez contact avec votre concessionnaire ou avec un service après-vente. Panne Cause possible Remède Le climatiseur ne fonctionne pas du 1.

[Page 26](#) | Bezeichnungen der Teile Wasserablass Deckenverkleidung (optional) Luftauslass (4 Stellen) Lufteinlassgitter (Lufteinlass) | Pflege und Reinigung 1. Aus Sicherheitsgründen darauf achten, das Gerät vor dem Reinigen auszuschalten und es außerdem vom Netz zu trennen. WARNUNG 2. Kein Wasser auf die Inneneinheit schütten, um diese zu reinigen. Dadurch werden die inneren Bauteile beschädigt, und es besteht Stromschlaggefahr.

[Page 27](#) <Herausnehmen des Filters> 1. Verwenden Sie einen Schraubendreher, um auf beiden Seiten die Schrauben für die Sperrvorrichtungen zu entfernen. (Achten Sie darauf, die Schrauben nach der Reinigung wieder einzudrehen.) 2. Drücken Sie die beiden Sperrvorrichtungen des Lufteinlassgitters mit dem Daumen in die Pfeilrichtung, um das Gitter zu öffnen.

[Page 28](#) | Fehlersuche Wenn Ihr Klimagerät nicht richtig funktioniert, zuerst die folgenden Punkte überprüfen, bevor ein Kundendiensttechniker angefordert wird. Lässt sich die Störung nicht beheben, so wenden Sie sich bitte an Ihren Fachhändler oder an eine Kundendienststelle. Störung Mögliche Ursache Abhilfe Drücken Sie nach einem Stromausfall Das Klimagerät läuft überhaupt...

[Page 29](#) | Nome delle parti (Unità interna) Scarico dell'acqua Pannello a soffitto (opzionale) Uscita d'aria (4 posizioni) Griglia della presa d'aria (presa d'aria) | Cura e manutenzione 1. Per motivi di sicurezza, accertare che il condizionatore d'aria sia spento e che la spina AVVERTIMENTO del cavo di alimentazione sia staccata dalla presa di corrente prima di procedere con le operazioni di pulizia.

[Page 30](#) <Rimozione del filtro> 1. Usare un cacciavite per rimuovere le viti sul lato dei due dispositivi di bloccaggio. (Assicurarsi di reinserire e serrare le due viti dopo la pulizia). 2. Con i pollici premere sui due dispositivi di bloccaggio della griglia della presa d'aria nella direzione della freccia per aprire la griglia.

[Page 31](#) | Prima di chiamare il tecnico Se il condizionatore d'aria non funziona correttamente, prima di chiamare il tecnico per la riparazione controllare quanto segue. Se ciò non consente di eliminare il problema, rivolgersi al proprio rivenditore o centro di assistenza. Problema Causa probabile Rimedio...

[Page 32](#) | Nomenclatura das peças (unidade interior) Drenagem de água Painel do tecto (opcional) Saída de ar (4 localizações) Grelha de entrada de ar (entrada de ar) | Cuidados e limpeza 1. Por motivos de segurança desligue o aparelho de ar condicionado e desligue-o também ADVERTÊNCIA da rede antes de proceder à...

[Page 33](#) <Como remover o filtro> 1. Utilize uma chave de fendas para remover o parafuso de cada um dos lados dos dois engates. (Não se esqueça de voltar a apertar os dois parafusos após a limpeza.) 2. Com os polegares, faça pressão sobre as duas patilhas da grelha de entrada de ar na direcção da seta para abrir a grelha.

[Page 34](#) | Resolução de problemas Se o seu aparelho de ar condicionado não funciona correctamente, verifique primeiro os seguintes pontos antes de solicitar assistência. Se não conseguir solucionar o problema, contacte o seu concessionário ou o serviço de assistência. Avaria Causa possível Solução O aparelho de ar condicionado não 1.

[Page 38](#) | Nombres de las partes (unidad interior) Drenaje de agua Panel del techo (opcional) Salida de aire (4 sitios) Rejilla de entrada de aire (entrada de aire) | Cuidados y limpieza 1. Por motivos de seguridad, asegúrese de apagar el acondicionador de aire, y desconectarlo también de la red eléctrica antes de realizar su limpieza.

[Page 39](#) <Cómo extraer el filtro> 1. Utilice un destornillador para quitar el tornillo de cada lado de los dos cierres. (Asegúrese de volver a poner los dos tornillos después de limpiar.) 2. Presione sobre los dos cierres de la rejilla de entrada de aire con sus pulgares en el sentido de la flecha para abrir la rejilla.

[Page 40](#) | Localización de averías Si su acondicionador de aire no funciona correctamente, compruebe primero la lista de abajo antes de llamar al servicio de reparaciones. Si no puede solucionar el problema, póngase en contacto con su concesionario o centro de reparaciones.
Avería Causa posible Remedio...

This manual is also suitable for:

[Spw-xr364eh56Spw-xr484eh56](#)