



# Toshiba RAS-24PAVSG-E Installation Manual



1
Table Of Contents
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17



- 

[Table of Contents](#)

•

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# INSTALLATION MANUAL

## AIR CONDITIONER (SPLIT TYPE)

Indoor unit

RAS-18, 22, 24PK-SG-E

Outdoor unit

RAS-18, 22, 24PAVSG-E

# R32

ENGLISH

1120650101

# TOSHIBA

## Table of Contents

[Next Page](#)

1  
2  
3  
4  
5

## Related Manuals for Toshiba RAS-24PAVSG-E

[Air Conditioner Toshiba RAS-18PAVSG-E Owner's Manual](#)

(168 pages)

[Air Conditioner Toshiba RAS-18PKVSG-E Service Manual](#)

(137 pages)

[Air Conditioner Toshiba RAS-B22PKVSG-TR Service Manual](#)

(134 pages)

[Air Conditioner Toshiba RAS-B22PKVSG-E Installation Manual](#)

(22 pages)

[Air Conditioner Toshiba RAS-24PKVSG-E Owner's Manual](#)

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[Air Conditioner Toshiba RAS-22 Owner's Manual](#)

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[Air Conditioner Toshiba RAS-18SK Series Owner's Manual](#)

Toshiba split type air conditioner owner's manual (8 pages)

[Air Conditioner Toshiba RAS-24NKHD-E4 Service Manual](#)

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[Air Conditioner Toshiba AS-24UKHP-ES3 Service Manual](#)

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[Air Conditioner Toshiba RAS-18BKS Series Installation Manual](#)

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[Air Conditioner Toshiba RAS-24J2KVG-E Owner's Manual](#)

For general public use (6 pages)

[Air Conditioner Toshiba RAS-24S3KHS-EE Owner's Manual](#)

(8 pages)

## Summary of Contents for Toshiba RAS-24PAVSG-E

[Page 1](#) ENGLISH INSTALLATION MANUAL AIR CONDITIONER (SPLIT TYPE) Indoor unit RAS-18, 22, 24PKVSG-E Outdoor unit RAS-18, 22, 24PAVSG-E 1 1 2 0 6 5 0 1 0 1...

### [Page 2: Table Of Contents](#)

CONTENTS PRECAUTIONS FOR SAFETY .....1 ACCESSORY PARTS  
.....5 INSTALLATION DIAGRAM OF INDOOR AND OUTDOOR UNITS .....6  
Optional Installation Parts .....6 INDOOR UNIT .....7 Installation  
Place .....7 Cutting a Hole and Mounting Installation Plate .....7 How  
to Connect Remote Controller for Wire Operation .....7 Piping and Drain Hose  
Installation .....8 Indoor Unit Fixing .....9 Drainage

.....10...

### [Page 3: Precautions For Safety](#)

PRECAUTIONS FOR SAFETY PRECAUTIONS FOR SAFETY Read the precautions in this manual carefully before This appliance is filled with R32. operating the unit. • Before installation, please read these precautions for safety carefully. • Be sure to follow the precautions provided here to avoid safety risks. The symbols and their meanings are shown below.

[Page 4](#) DANGER • FOR USE BY QUALIFIED PERSONS ONLY. • TURN OFF MAIN POWER SUPPLY BEFORE ATTEMPTING ANY ELECTRICAL WORK. MAKE SURE ALL POWER SWITCHES ARE OFF. FAILURE TO DO SO MAY CAUSE ELECTRIC SHOCK. • CONNECT THE CONNECTING CABLE CORRECTLY. IF THE CONNECTING CABLE IS CONNECTED WRONGLY, ELECTRIC PARTS MAY BE DAMAGED.

[Page 5](#) • Do not use any refrigerant different from the one specified for complement or replacement. Otherwise, abnormally high pressure may be generated in the refrigeration cycle, which may result in a failure or explosion of the product or an injury to your body.

[Page 6](#) CAUTION • Exposure of unit to water or other moisture before installation could result in electric shock. Do not store it in a wet basement or expose to rain or water. • After unpacking the unit, examine it carefully for possible damage. •...

### [Page 7: Accessory Parts](#)

Installation Plate × 1 Battery × 2 Remote control holder × 1 Mounting screw × 6 Toshiba new IAQ filter × 2 Flat head wood screw × 2 Owner's Manual × 1 Screw × 2 Installation Manual × 1 "...

### [Page 8: Installation Diagram Of Indoor And Outdoor Units](#)

125 mm Pipe insulating material 29 mm 108 mm Air inlet Ø25 mm (polyethylene foam, 6 mm thick) Putty, PVC tapes each Air outlet 90 mm Air outlet 99 mm 600 mm 600 mm Drain outlet Drain outlet RAS-18, 22PAVSG-E RAS-24PAVSG-E...

### [Page 9: Indoor Unit](#)

INDOOR UNIT INDOOR UNIT When the installation plate is directly mounted Installation Place on the wall • A place which provides the spaces around the indoor unit as shown in the 1. Securely fit the installation plate onto the wall by screwing it in the upper and diagram lower parts to hook up the indoor unit.

### [Page 10: Piping And Drain Hose Installation](#)

Front panel Control wire Control wire Screw (Ø3.1×16L) for hang remote controller Hole for hang remote controller Remote controller Wall Screw Screw Remote controller Screw cap Screw (Ø3.1×25L) for fix battery cover 70 mm \* Wire size 28-22AWG or 0.08-0.32 mm Outer diameter not over 4.7 mm, control wire length 30 m.

### [Page 11: Indoor Unit Fixing](#)

How to remove the drain hose NOTE • The drain hose can be removed by removing the If the pipe is bent incorrectly, the indoor unit may unstably be set on the wall. screw securing the drain hose and then pulling out After passing the connecting pipe through the pipe hole, connect the the drain hose.

### [Page 12: Drainage](#)

• The allowable pipe length is up to 20 m for RAS-18, 22PAVSG-E and 25 m waves are likely to be generated wind for RAS-24PAVSG-E. If the length is over 15 m, add 20 g of refrigerant for as from audio equipment, welders, every additional meter of the pipe length.

### [Page 13: Evacuating](#)

Tightening connection Compound pressure gauge Pressure gauge -101 kPa Align the centers of the connecting pipes and tighten the flare nut as far as possible (-76 cmHg) Manifold valve visible with your fingers. Then tighten the nut with a spanner and torque wrench as shown in the fi...

### [Page 14: Electrical Works](#)

ELECTRICAL WORKS ELECTRICAL WORKS The power supply can be selected to connect to indoor unit or outdoor unit. Choose proper way and connect the power supply and connecting cable by follow the instruction as following. Model RAS-18PKVSG-E RAS-22PKVSG-E RAS-24PKVSG-E Power source 50Hz, 220 ~...

### [Page 15: Power Supply And Connecting Cable Connection](#)

Power Supply and Connecting Cable Connection Power Supply Input at Indoor Unit Terminal Block (Recommend) Indoor Unit Outdoor Unit Power supply cable Stripping length of the power Power supply cable connect to L N Terminal block supply cable Terminal block (L N 1 2 3) Earth line 50 mm 10 mm...

### [Page 16: Power Supply Input Wiring Diagram](#)

Power supply input Wiring Diagram Power supply input at Indoor unit Terminal Block (Recommend) Indoor Terminal Block Power supply input CHASSIS INDOOR UNIT OUTDOOR UNIT Outdoor Terminal Block CHASSIS EARTH Power supply input at Outdoor unit Terminal Block (Optional) Indoor Terminal Block CHASSIS...

### [Page 17: Others](#)

OTHERS OTHERS Gas Leak Test Test Operation To switch the TEST RUN (COOL) mode, press [RESET] button for 10 seconds. (The beeper will make a short beep.) Check places for the indoor unit. OPERATION / RESET Button Check places for the outdoor unit.

This manual is also suitable for:

[Ras-22pkvsg-eRas-24pkvsg-eRas-18pavsg-eRas-22pavsg-eRas-18pkvsg-e](#)