



Toshiba RAS-2M10U2AVG-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](#)

-

Troubleshooting

•

Bookmarks

Table of Contents

- 1 Table of Contents
- 2 Precautions for Safety
- 3 Installation / Service Tools
- 4 Specifications
- 5 Installation Parts, Accessories
- 6 Installation of Outdoor Unit

[7 Refrigerant Piping](#)

[8 Electrical Work](#)

[9 Grounding](#)

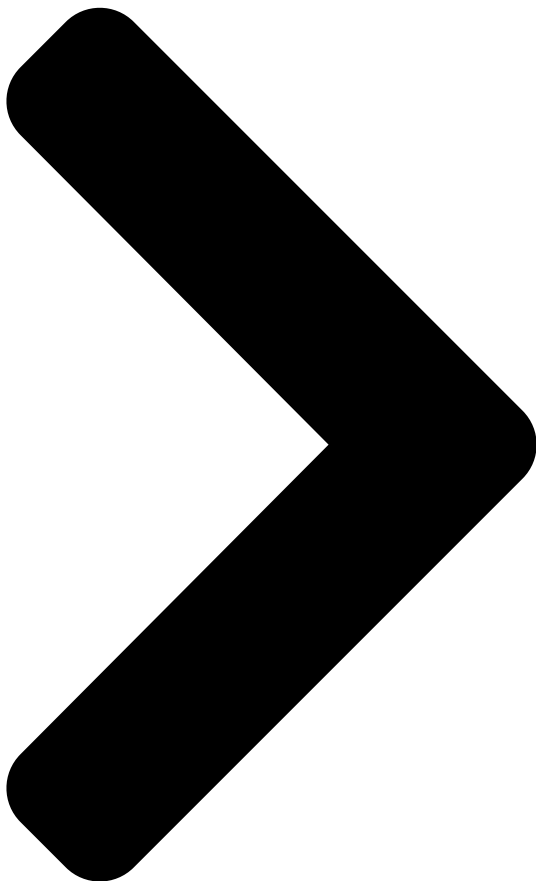
[10 Test Run](#)

[11 Pump-Down Operation](#)

[12 Troubleshooting](#)

[13 Appendix](#)

[Download this manual](#)



AIR CONDITIONER (MULTI-SPLIT TYPE)

Installation Manual

Outdoor Unit

TOSHIBA

Model name:

Leading Innovation >>>

RAS-2M10U2AVG-E

RAS-2M14U2AVG-E

RAS-2M18U2AVG-E

RAS-3M18U2AVG-E

* NOTE:

Descriptions about operations for the 3 indoor units in this manual are not applicable to RAS-2M10U2AVG-E, RAS-2M14U2AVG-E and RAS-2M18U2AVG-E.

Installation Manual

Outdoor Unit

R32 **TOSHIBA**
Leading Innovation >>>

[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

Related Manuals for Toshiba RAS-2M10U2AVG-E

[Air Conditioner Toshiba RAS-2M18U2AVG-E Installation Manual](#)

Multi-split type outdoor unit (18 pages)

[Air Conditioner Toshiba RAS-2M14U2AVG-E Service Manual](#)

(122 pages)

[Air Conditioner Toshiba RAS-3M18S3AV-E Installation Manual](#)

Multi-split type outdoor unit (14 pages)

[Air Conditioner Toshiba RAS-3M18S3AV-E Service Manual](#)

Split type (116 pages)

[Air Conditioner Toshiba RAS-2M21U2ACVG-SG Service Manual](#)

(91 pages)

[Air Conditioner Toshiba RAS-2M10G3AVG-E Installation Manual](#)

Outdoor unit (18 pages)

[Air Conditioner Toshiba RAS-2M10G3AVG-E Service Manual](#)

(89 pages)

[Air Conditioner Toshiba RAS-2M18G3AVG-E Installation Manual](#)

Air conditioner (multi-split type) (18 pages)

[Air Conditioner Toshiba RAS-2M18G3AVG-TR Service Manual](#)

(99 pages)

[Air Conditioner Toshiba RAS-18GFHP-ES2 Service Manual](#)

Under ceiling console type (83 pages)

[Air Conditioner Toshiba RAS-18N3KV2-E1 Installation Manual](#)

(276 pages)

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

(7 pages)

[Air Conditioner Toshiba Seiya RAS-10TAVG-UA Owner's Manual](#)

(14 pages)

[Air Conditioner Toshiba RAS-24J2KVG-EE Installation Manual](#)

(36 pages)

[Air Conditioner Toshiba RAS-24E2KVG-E Owner's Manual](#)

Inverter r32 or r410a, for general public use, indoor/outdoor unit (7 pages)

[Air Conditioner Toshiba RAS-B05CKVG-EE Owner's Manual](#)

(12 pages)

Summary of Contents for Toshiba RAS-2M10U2AVG-E

[Page 1](#) AIR CONDITIONER (MULTI-SPLIT TYPE) Installation Manual Outdoor Unit Model name: RAS-2M10U2AVG-E RAS-2M14U2AVG-E RAS-2M18U2AVG-E RAS-3M18U2AVG-E * NOTE: Descriptions about operations for the 3 indoor units in this manual are not applicable to RAS-2M10U2AVG-E, RAS-2M14U2AVG-E and RAS-2M18U2AVG-E. Installation Manual English Outdoor Unit...

[Page 2: Table Of Contents](#)

Outdoor Unit Installation Manual Contents Precautions for safety 2 Installation / service tools .

[Page 3: Precautions For Safety](#)

Outdoor Unit Installation Manual Precautions for safety The manufacturer shall not assume any liability for the damage caused by not observing the description of this manual. Be sure to read this installation manual carefully before installing. The supplied CD-ROM contains the installation manual translated into many languages. Recommend to the owner to perform maintenance periodically when using over long periods of time.

[Page 4](#) Outdoor Unit Installation Manual CAUTION To disconnect the appliance from the main power supply This appliance must be connected to the main power supply by means of a circuit breaker or a switch with a contact separation of at least 3 mm in all poles. CAUTION NEW REFRIGERANT AIR CONDITIONER INSTALLATION THIS AIR CONDITIONER USES THE NEW HFC REFRIGERANT (R32), WHICH DOES...

[Page 5](#) Outdoor Unit Installation Manual DANGER • THE MANUFACTURER SHALL NOT ASSUME ANY LIABILITY FOR THE DAMAGE CAUSED BY NOT OBSERVING THE DESCRIPTION OF THIS MANUAL. • FOR USE BY QUALIFIED PERSONS ONLY. • MEANS FOR DISCONNECTION FROM THE SUPPLY HAVING A CONTACT SEPARATION OF AT LEAST 3 MM IN ALL POLES MUST BE INCORPORATED IN THE FIXED WIRING.

[Page 6](#) Outdoor Unit Installation Manual WARNING • 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 7](#) Outdoor Unit Installation Manual WARNING • Installation work must be performed following the instructions in this installation manual. Improper installation may cause water leakage, electrical shock or fire. Check the following items before operating the unit. - Be sure that the pipe connection is well placed and there are no leaks. - Check that the service valve is open.

[Page 8](#) Outdoor Unit Installation Manual CAUTION • Please read this installation manual carefully before installing the unit. It contains further important instructions for proper installation. • 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. •...

[Page 9: Installation / Service Tools](#)

Unit A 07 or 10 or 13 or 16 6.35, 9.52 mm 6.35, 9.52 mm 6.35, 9.52 mm 6.35, 12.7 mm 20 (RAS-2M10U2AVG-E) 26 (RAS-2M14U2AVG-E) Total — 32 (RAS-2M18U2AVG-E) 36 (RAS-3M18U2AVG-E) All combinations that do not exceed the "Total" number can be installed.

[Page 10: Installation Of Outdoor Unit](#)

Outdoor Unit Installation Manual Draining Off the Water from the Outdoor Unit Installation of outdoor unit Install 2 waterproof rubber caps and the drain nipple to drain off the Installation Location water from the outdoor unit. • Seal the knock-out holes and screw/thread areas tightly using a silicon •...

[Page 11: Refrigerant Piping](#)

Outdoor Unit Installation Manual Pipe connection Refrigerant piping 1. Make wire and pipe connections for each indoor unit separately. 2. Align the centres of the connecting pipes and tighten the flare nut as much CAUTION as possible with your fingers, then tighten the nut using a torque wrench. Be sure to tighten the nut at the speci...

[Page 12: Electrical Work](#)

Outdoor Unit Installation Manual Insulation of the Refrigerant Pipes 3. Close the Handle Low of the gauge manifold valve fully, then stop operating the vacuum pump. • Insulate the refrigerant pipes for liquid and gas separately. • Leave the gauge and pump as they are for 1 or 2 minutes, then make sure that the compound pressure gauge reading stays at -101 kPa (-76 cmHg).

[Page 13: Grounding](#)

(called an inverter) in the outdoor unit. • If the air conditioner is not grounded, users may receive an electric shock RAS-2M14U2AVG-E Model RAS-2M10U2AVG-E RAS-3M18U2AVG-E RAS-2M18U2AVG-E if they touch the surface of the outdoor unit and that unit is charged with

static.

[Page 14](#) Outdoor Unit Installation Manual Gas Leak Inspection 3. Turn on the circuit breaker to supply electricity. In the initial LED display status, D805 is lighted as below. Refer to the “ Gas Leak Inspection” on page 11. : ON, : OFF, : Rapid Flashing (5 times/sec.), □...

[Page 15: Pump-Down Operation](#)

Outdoor Unit Installation Manual 4. Hold down SW01 for at least 5 seconds, and check that D800 is lighted Pump-down Operation and D804 light is flashing (1 time/sec.). Pump-down Operation (Recovering refrigerant) D800 D801 D802 D803 D804 D805 □ □...

[Page 16: Appendix](#)

Outdoor Unit Installation Manual...

[Page 18](#) 144 / 9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand 1116691098...

This manual is also suitable for:

[Ras-2m14u2avg-eRas-2m18u2avg-eRas-3m18u2avg-e133431334213341](#) ... [Show all](#)