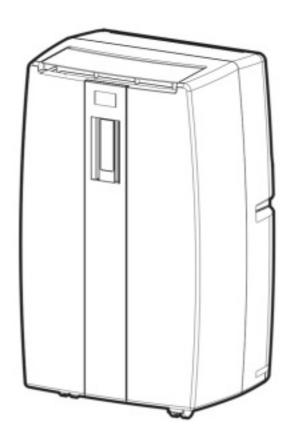


TOYOTOMI TAD-T33 Portable Air Conditioner Instruction Manual

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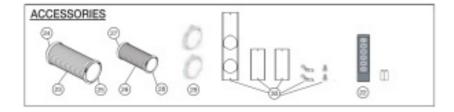
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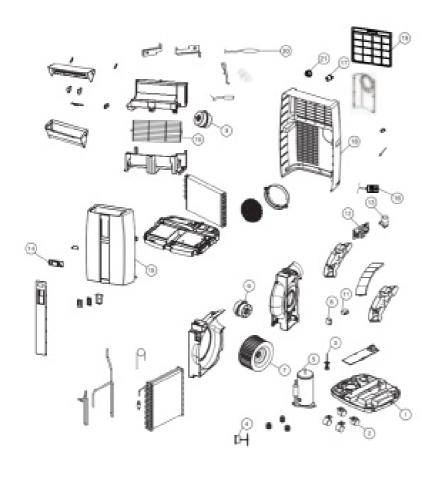
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Parts List TAD-T33





NO.	PART#	PART NAME
1	22740739	Base pan assembly
2	22740270	Caster
3	22741230	Float
4	22740822	Drain motor
5	22741223	Compressor
6	22741220	Rear fan motor
7	22741242	Rear fan
8	22741248	Capacitor C(Front FM)
9	22741218	Front fan motor
10	22740741	Front fan
11	22741046	Capacitor A (Rear FM)
12	22741212	Main circuit board
13	22741247	Capacitor B (Compressor)
14	22741217	Indication lamp circuit
15	22741127	Front panel r,N)
16	22741235	Power supply cord
17	22741080	Drain cap A

18	22741251	Rear panel r,N)
19	22741145	Air filter r,N)
20	22741274	Room thermistor
21	22741182	Drain cap B
22	22741176	Remote control r,N)
23	22741249	Exhaust duct hose (diameter:150mm)
24	22741254	Exhaust duct hose adapter nozzle (to the unit)
25	22741253	Exhaust duct hose adapter nozzle (to the window paneQ
26	22740449	Intake duct hose (diameter:130mm)
27	22741264	Intake duct hose adapter nozzle (to the unit)
28	22741263	Intake duct hose adapter nozzle (to the window panel)
29	22741252	Cover
30	22741281	Window panel kit
31	22741293	Instruction manual
32	22741299	Carton

EXPLANATION OF SYMBOLS



Appliance filled with flammable gas R32.



Before install the appliance, read the installation manual first.



Before repairing the appliance, read the service manual first.

SUMMARY

The idea behind the unit is to provide a localized supply of cool air.

The unit will greatly enhance your personal comfort whether at a work station or even in your favorite chair.

Four (4) casters enable you to move the unit easily from room to room. It cools and dries the air at the same time so that you can stay comfortable even when it's humid or rainy outside.

Also your furnishings and fabrics are kept in good condition when it's used as dehumidifier.

Conventional air conditioners use large quantities of energy to cool an entire room, including walls and furniture.

This unit creates a zone of cool and dry air only where it is needed. It does not waste energy cooling the surroundings.

It's easy to operate. The built-in timer allows from 1 to 12 hours of operation, which will automatically turn the unit on or off. This is especially convenient at bedtime.

Venting is not required, however, if the unit is to be used exclusively in one space, the cooling efficiency will be enhanced by using the venting kit accessory, which is included with the unit.

OPERATIONAL FEATURES

1. COOLING OPERATION:

Normally, cool air is directed out the front louvers by the circulation fan which has three (3) fan speeds.

2. AUTOMATIC OPERATION:

Once the desired function has been set, it is memorized as long as it remains connected to the wall outlet. In the event of a power failure, the desired function must be re-entered when power is restored.

3. THERMO CONTROL:

The compressor will automatically shift to ON or OFF to maintain the desired temperature.

4. TIMER OPERATION:

The unit will turn on and off after the designated period of time (1, 2, 3, ... 24 hours).

5. AUTOMATIC SHUT-OFF MECHANISM WHEN THE DRAIN TANK IS FULL:

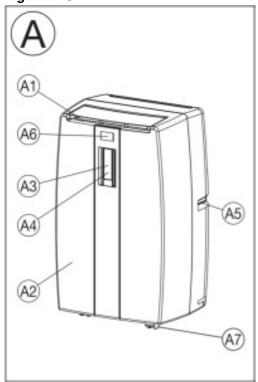
Condensed water may accumulate in the unit. If the internal tank becomes full, the Warning Light Top will flash and automatically shut-off. It is always required to press the powerbutton twice to resume operation after the condence water is removed from the tank.

6. AIR FILTER:

A pre-filter protects the unit from dust.

DESCRIPTION

Fig. A FRONT



A1 Air outlet

A2 Front panel

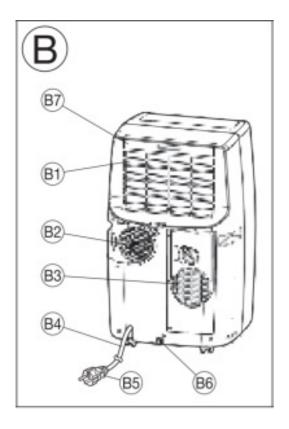
A3 Operation panel

A4 Remote control

AS Carrying handle

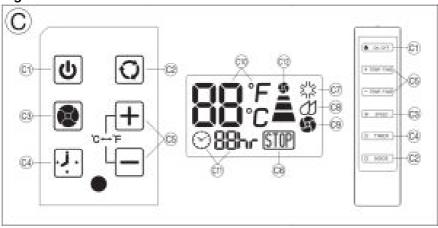
A6 Indication panel

A7 Caster



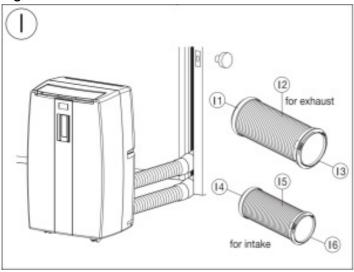
- **B1** Air intake (Evaporator)
- **B2** Exhaust outlet
- B3 Air intake (Condenser)
- **B4** Power supply cord
- **B5** Power plug
- **B6** Drain water outlet
- B7 Air intake grille (Pre-filter)

Fig. C OPERATION PANEL



- C1 Power button
- C2 Mode button
- C3 Fan speed button
- C4 Timer button
- C5 Adjust buttons
- C6 Warning lamp (Tank full)
- C7 Cool mode lamp
- C8 Dry mode lamp
- C9 Fan mode lamp
- C1 O Room/Set temp lamp
- C11 Timer set lamp

Fig. I EXHAUST DUCT HOSE



I1 Exhaust duct hose adapter nozzle (to the unit)

12 Exhaust duct hose (diameter: 150mm)

I3 Exhaust duct hose adapter nozzle (to the window panel)

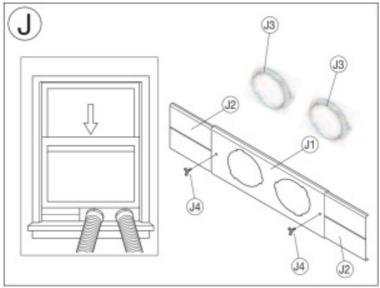
INTAKE DUCT HOSE

14 Intake duct hose adapter nozzle (to the unit)

I5 Intake duct hose (diameter: 130mm)

I6 Intake duct hose adapter nozzle (to the window panel)

Fig. J WINDOW PANEL KIT



J1 Window panel

J2 Window panel extension (2 pcs.)

J3 Cover (2 pcs.)

J4 Screw and Wing nut (2 pcs.)

SAFETY TIPS

IMPORTANT

• Read instructions carefully before operation.

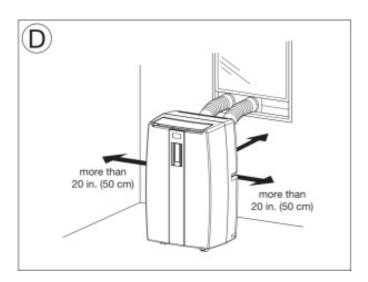
- The unit should be operated when the room temperature is between 61 °F (16°C) to 95°F (35°C). If the room temperature is below 61 °F (16°C), ice may form on the coils. If the room tern perature is above 95°F (35°C), the compressor will automatically shut off to protect itself.
- · ALWAYS, wait 3 min. to restart after turning unit off.

A WARNING

- NEVER expose infants, handicapped persons, or senior persons directly to the airflow. Adjust the airflow direction.
- Keep children away from unit. Children are particularly liable to this danger. The inside fan is running at high speed. Covering them may deteriorate air conditioner performance or cause it to become inoperative.
- NEVER insert objects of any kind into the air intake or air outlet.
- DO NOT unplug if your hands are wet. An electrical shock may occur.
- DO NOT operate in a wet location.
- ALWAYS plug into 115 V, 60 Hz, single phase electrical outlet.
- Be sure the power plug fits the receptacle securely.
- DO NOT run power cord under carpets, rugs, or floor mats of any kind.
- DO NOT attempt to shorten or alter power cord in any way.
- DO NOT apply any excessive force or pressure to the power supply cord.
- Make sure that the plug is free of dust.
- DO NOT use an extension cord.
- DO NOT turn on and off by inserting or removing the power plug which may cause electric shock or fire.
- If there is a fear of lightning, stop the unit and disconnect the power supply cord.
- DO NOT touch the evaporator, condenser and pipes.
- DO NOT operate with filter removed.
- This appliance can be used by children aged from 8 years andabove and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- DO NOT remove any components yourself. Always contact your dealer for repairs.
- Install this device only when it complies with local/national legislation, ordinances and standards.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental
 capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction
 concerning use of the appliance by a person responsible for their safety.
- If the power supply cord on this unit is damaged it must be replaced by the manufacturer, its service agent or qualified persons in order to avoid a hazard.
- Switch off the appliance and let it cool down, before you start any maintenance work. Also disconnect the plug from the mains.
- Keep any required ventilation openings clear of obstruction.
- To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.
- Appliance shall be installed, operated and stored in a room with a floor area larger than 139 sq. ft (13 m2).

- Ensure that the refrigeration system is grounded prior to charging the system with refrigerant.
- DO NOT use the appliance in rooms containing sulphur, gas or oil.
- Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous.
- DO NOT pierce or burn.
- Be aware that refrigerants may not contain an odor.
- NO person carrying out work in relation to a refrigeration system which involves exposing any pipe work shall
 use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition
 sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing,
 removing and disposal, during which refrigerant can possibly be released to the surrounding space.
- All the workers who are engaging in the refrigeration system should bear the valid certification awarded by the
 authoritative organization and the qualification for dealing with the refrigeration system recognized by this
 industry.
- It can only be repaired by the method suggested by the equipment's manufacturer.
 If it needs other technician to maintain and repair the appliance, they should be supervised by the person who bears the qualification for using the flammable refrigerant.
- DO NOT use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition source. (For example: open flames, an operating gas appliance or an operating electric heater.)

A WARNING



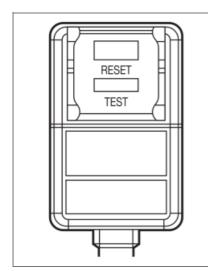
- Keep unit more than 20 in. (50 cm) away from any objects or wall. (Fig. D)
- If the unit is operated in Cooling mode in an area of very high moisture, the top plate and the rear plate may get covered with a mist. Wipe off any mist before it has a chance to get on the floor or rug.
- · Remove drain water before moving unit.
- To minimize corrosion, DO NOT use in damp, salty air area.
- DO NOT operate in direct sunlight.
- DO NOT use for such particular purpose as preservation of food stuff, animals, plants, precision appliances, arts and medicine.

- DO NOT place an animal, plants or combustion equipment in a place which is subjected to the direct air flow of the unit.
- DO NOT ride or place the objects on the unit.
- DO NOT turn the unit on its side or upside down.
- DO NOT remove the rubber cap cover and rubber cap of water drainage outlet except in continuous drainage mode to avoid water leakage.

OPERATION

BEFORE OPERATION:

LCDI (Leakage Current Detection and Interruption) PLUG



TEST: WHEN GROUND FAULT OR RESET TEST PRESSING TEST BUTTO N, THEINDICATOR LIGHT WILL TURN OFF AND THE UNIT WILL CUT OU T

RESET: AFTER SOLVING THE PROBLEM PLEASE PRESS RESET BUTTO N

ALWAYS: MAKE SURE THE INDICATOR LAMP IS ON AFTER PLUGING INTO THE POWER. IF NOT, PRESS RESET BUTTON UNTIL IT CLICKS AND INDICATOR LAMP COMES ON.

HARD TO RESET BUTTON:

PRESSING BUTTON WITH A STICK SUCH AS PENCIL OR BALL POINT PEN WITH THE FLAT END (NOT SHARP EDGE) MAY MAKE IT EASIER TO RESET BUTTON.

NO POWER ON THE UNIT: MAKE SURE THE INDICATOR LAMP IS ON.

OPERATING STEPS:

1. PRESS **U** "POWER" BUTTON (C1) TO "ON".

Cool mode lamp (C7) and Low lamp are lit at this time and unit starts.

2. PRESS O MODE BUTTON (C2).

Press the mode button (C2) to set your desired operation mode "Cooling" (C7), "Dehumidify" (CB), "Fan" (C9). When cool mode is selected, "Sic" will show in the LCD Display, During the cooling mode the air is cooled and hot air is exhausted to the outside through the exhaust tube. Adjust fan speed and air temperature to suit your desired comfort level.

Note: The air exchange hoses must be vented outside the room when using cool mode.

Dehumidify mode (CB)

When Dehumidify mode is selected, "Will show in the LCD Display. Air is dehumidified as it passes through

the unit, without being in full cooling mode.

If room temperature is higher than 77 °F (26 °C), fan speed can be adjusted; otherwise fan speed is fixed to "Low ".

Note: If the unit is to be used as a dehumidifier, do not connect the exhaust hose let the warm air return to the room.

Continuous drainage is then necessary.

Fan mode (C9)

When fan mode is selected, "W" will be shown in the LCD Display, Air is circulated throughout the room with no cooling.

Note: The unit does not need to be vented in Fan mode.

3. PRESS TIMER/TEMPERATURE ADJUST BUTTONS (CS)

Set the desired room temperature by pressing "+" button or "-" button. The default display is room temperature. When "+" or"-" button is pressed, the set temperature is displayed and may be adjusted. After 15 seconds the display will revert back to room temperature.

By pressing both "+" and "-" buttons at the same time for more than 3 seconds, the display will toggle between Celsius and Fahrenheit.

4. PRESS FAN SPEED BUTTON (C3)

Press the fan speed button (C3) to set the desired air flow rate.

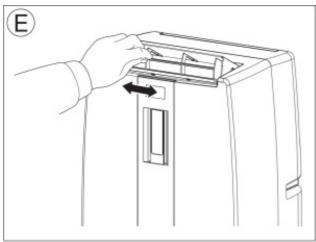
📤 Operation at a high air flow

🛋 Operation at a medium air flow

...... Operation at a low air flow

5. AIR DEFLECTION

The vertical louvers may be set on right and left manually in desired direction. (Fig. E)



6. STOP OPERATION

Press the Power button (C1) and all lights will go out.

TIMER OPERATION

Auto turning OFF:

With machine in running mode, press timer button for setting timer control. Press "+" or "-" to select number of hours you would like the unit to run before it automatically shuts off.

Auto turning ON:

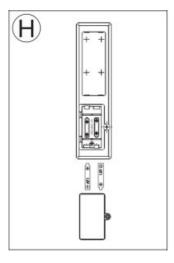
With machine in stand by mode, press timer button for setting timer control. Press "+" or "-" to select number of hours before the unit automatically starts running in air conditioning mode.

Note: The time is adjustable between 1 ~24 hours.

USING REMOTE CONTROL

The functions work the same as your air conditioner's operation panel. (Fig. C) All key functions can be accessed from the remote con trols.

Batteries: Remove the cover on the back of the remote control and insert the batteries with the(+) and (-) poles pointing in the proper direction. (Fig. H)



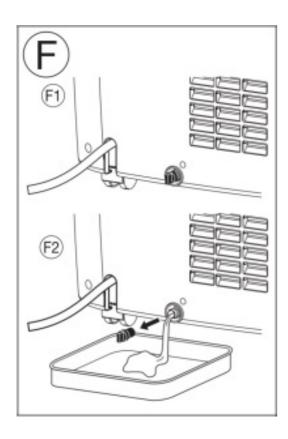
A NOTE:

- Do not drop the remote control.
- Do not place the remote control in a location exposed to direct sunlight.
- The remote control should be placed about 3 feet (91CM) or more away from TV, or any other electrical appliances

A CAUTION

- Use only AAA or IEC R03 1.5V batteries.
- DO NOT attempt to recharge the supplied batteries. All batteries should be replaced at the same time.
- DO NOT dispose of the batteries in a fire as they may explode.
- DO NOT install the batteries with the polarity(+/-) reversed.
- Keep batteries and other things that could be swallowed away from young children. Contact a doctor immediately if an object is swallowed

DRAINING EXCESS WATER (Fig. F)

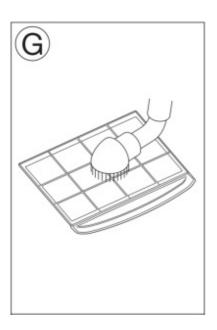


- 1. Drain excess water from the tank by placing a pan under the drain water outlet. (Fig. F2)
- 2. Remove the drain plug, and let the water drain into the pan.
- 3. When the water stops draining out, replace the drain plug.
- 4. Remove the pan of water.
- 5. Operate the unit in Fan mode to dry the interior of the unit.

NOTE: Remove the drain water from the tank once a week.

CLEANING

CLEANING AIR INTAKE GRILLE (Fig. G)



- 1. Clean the air intake grille (B7) once every two weeks.
- 2. To remove the air intake grille (B?), pull the grille off.

3. Remove the dust with a vacuum cleaner.

A WARNING

DO NOT touch the evaporator. It may cause injury or damage.

CLEANING SURFACE

Clean the outside of the unit with a soft damp cloth.

A CAUTION

NEVER use gasoline, solvents, chemical products or polish as they could damage the surfaces.

LONG-TERM STORAGE

At the end of each season, or when you do not plan to use your unit for an extended period of time, the following procedures are recommended.

- 1. Run the unit 5 or 6 hours with only the "FAN" (C9) mode operating in order to dry the inside.
- 2. Remove the drain water from the tank and unplug the unit.
- 3. Clean the unit.

Wipe off any dirt or dust on the unit with a soft damp cloth or a vacuum cleaner, and then wipe again using a soft dry cloth.

- 4. Clean the air intake grille (B7) and replace it.
- 5. Store the unit.

The original shipping carton is the best place to store your unit. If you do not have the original packing materials, cover the unit with a large plastic bag and store in a cool dry place.

A CAUTION

- ALWAYS store the unit in the vertical position.
- DO NOT put heavy objects on top of the unit.

TRANSPORTATION

Preferably keep the unit in the vertical position during transportation. If it is necessary to place the unit in a horizontal position for more than 1/2 hour, ALLOW IT TO REMAIN UPRIGHT FOR 24 HOURS BEFORE OPERATION. Failure to do so may result in damage to the compressor. Before transporting/moving the unit make sure the drain tank is empty.

TROUBLESHOOTING SYMPTOM CAUSE SOLUTION

SYMPTOM	CAUSE	SOLUTION
Unit does not work.	 Power out. The plug has been plugged improperly The full-tank indicator is ON. Tank is full. 	Wait for Power to be supplied again.Plug in again.Remove the drain water.
Unit suddenly stops du ring in operation.	 The indoor tempera- ture has reached the set temperature level. The preset time is up. The full-tank indicator is ON. Tank is full. 	 Reset the temperature level. Reset the timer. Remove the drain water from the drain tank
Unit runs in- termittently.	 Malfunction. Surrounding tempera- ture is too high or too low: Exhaust duct hose is blocked. 	Contact your dealer. Check the duct hose.
Unit func- tions but the room is not cooled.	 Window or door is left open in the room. There is heat source in the room or too many people in it. Air in take grille is clogged. Filter is too dirty. Temperature setting is too high. 	 Close all windows and door. Move out any heat source in the room. Clean the air intake grille. Replace the filter Lower the temperature setting.
Condensed water is sp illed out when moving the unit.	The tank is nearly full.	Remove the drain plug on the rear bott om of the unit, drain off the water then the unit will be in operation auto- matic ally.
LCD display shows "E 1".	The temperature sen- sor error.	Contact your dealer.
LCD display shows "E 2".	The coil sensor error.	Contact your dealer.

BEFORE CALLING FOR SERVICE

The followings are not defects.

A hissing noise or hollow sound:		This sound is generated from the refrigerant flowing within pi pes.
A squeaking noise:	\Rightarrow	This noise is generated from the unit when it is expands or c ontracts with temperature changes.
Odor:		Such odor as tobacco, cosmetics, or foods may accumulate in the unit.
The unit does not start nor change operat ion mode immediately:		To prevent overloading the compressor motor, the unit will be stopped for more than 3 minutes.

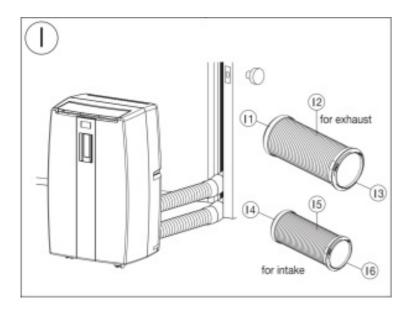
SPECIFICATIONS

MODEL	TAD-T33	
COOLING CAPACITY	11500BTU/h (ASHRAE – 128 standard) 7000BTU/h (DOE – 2017 standard)	
DEHUMIDIFYING CAPACITY (80 F (26.7°C) / 60%)	0.47gal/h (1.78UH)	
POWER SOURCE	Single Phase 115V, 60Hz	
POWER CONSUMPTION	1200W	
OPERATING CURRENT	10.5A	
AIR FLOW (MAX.)	188CFM (320m3/h)	
OPERATING TEMP. RANGE	64°F-95°F (18°C-35°C)	
DIMENSIONS (W _X H _X D)	18-1/8" X 29-1/4" X 16-15/16" (460 x 742 x 405 mm)	
WEIGHT	65Lbs (29.5kg)	
COMPRESSOR	ROTARY	
REFRIGERANT	R32	

NOTE: Cooling air capacity will vary according to temperature and humidity of the room.

VENTING KIT ACCESSORIES

If the unit is to be used exclusively in one space, the cooling efficiency will be enhanced by using the following venting kit accessories.



EXHAUST DUCT HOSE (FLEXIBLE TUBE) (Fig. I)

Max. 4 ft. (1.2m), Dia. 6 in. (150 mm)

INTAKE DUCT HOSE (FLEXIBLE TUBE) (Fig. I)

Max. 4 ft. (1.2m), Dia. 5 in. (130 mm)

WINDOW PANEL KIT (Fig. J)

For sliding and double-hung windows

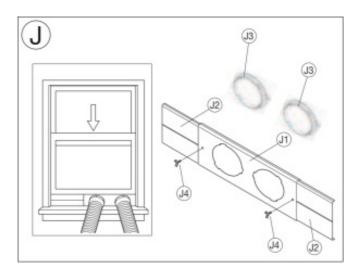
Max. 37 in. (94cm) Min. 20 in. (50cm)

USING EXHAUST AND INTAKE DUCT HOSE (Fig. I)

- 1. Sliding in one end of Exhaust duct hose (diameter:150mm) to rear panel(B2) and turn knob to fix the duct hose assembly firmly.
- 2. Sliding in one end of Intake duct hose(diameter:130mm) to rear panel(B3) and turn knob to fix the duct hose assembly firmly.

NOTE: Place the unit as close as possible to the window or door.

USING WINDOW PANEL KIT (Fig. J)



NOTE: Window installations are possible by the use of the duct set and window planel kit.

- 1. Insert the window panel extension (J2) to both end of window panel (J1).
- Open the window and place window panels into window.
 Adjusting to fix the length of window panels by using the screws and wing nuts mounted on both ends of window panel (J1).
- 3. Insert the other end of exhaust (I3) and intake (I6) duct hose onto window bracket (J1).
- 4. Please allow 20 in. (50 cm) of space around the unit for proper air circulation.
- 5. When removing the portable air conditioner for storage, the window panel may be left in place. Simply place the cover (J3) over the hole on the window panel.

NOTE: The same procedure can be adapted for vertical installation in sliding windows.

OPTIONAL ACCESSORIES

When you need a longer size window panel, please purchase the extension window panel and use it with the original window panel.

Part# 22741086 Extension window panel "B" (S) 28-3/8" (72 cm)

LIMITED WARRANTY

TOYOTOMI CO., LTD. ("TOYOTOMI") warrants each product and any parts thereof sold by it to be free from defects in materials or workmanship under normal use and service for TWELVE (12) MONTHS from the date of delivery to the original purchaser at retail subject to the following terms and conditions:

WHAT IS COVERED: Product or any parts thereof which are defective in materials or workmanship.

WHAT IS NOT COVERED:

This warranty does not extend to any defect due to the negligence of others; failure to install, operate or maintain unit in accordance with instructions (operating and maintenance instructions are furnished with each new unit); unreasonable use, accidents, alteration, use of unauthorized or non-standardized TOYOTOMI parts and accessories; electrical malfunction, i.e., as resulting from large power surges, short circuit, etc.; incorrect installation; or repair by anyone other than a service facility specified by TOYOTOMI.

WHO IS COVERED: The original purchaser at retail.

WHAT WE WILL DO: TOYOTOMI will either repair or replace, at its option, all defective parts free of charge that are covered by this limited warranty on a carry-in basis, to your nearest authorized dealer or distributor of TOYOTOMI.

WHAT YOU MUST DO FOR WARRANTY SERVICE: You must return the defective Product or part to any authorized dealer or distributor of TOYOTOMI with this LIMITED WARRANTY. If service is not available locally, please contact our CUSTOMER RELATIONS DEPARTMENT at:

THE FOREGOING EXPRESSES ALL OF TOYOTOMI'S OBLIGATIONS AND LIABILITIES WITH RESPECT TO THE QUALITY OF PRODUCT FURNISHED BY IT. ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. TOYOTOMI SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL ARISING OUT OF, THE USE OF, OR INABILITY TO USE, THE PRODUCT OR DAMAGES RESULTING FROM OR ATTRIBUTABLE TO DEFECTS IN THE PRODUCT.

No other than TOYOTOMI has authority to extend or modify the terms of this Limited Warranty in any manner whatsoever.

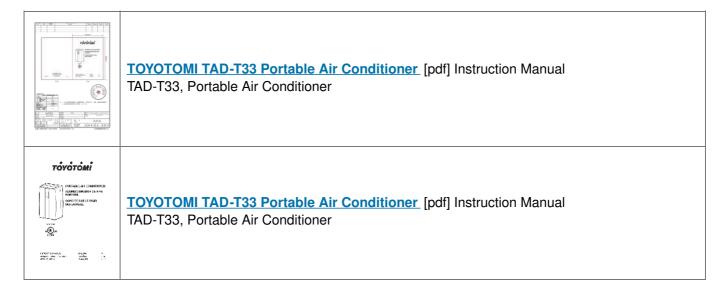
Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

TOYOTOMI CO., LTD.

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Documents / Resources



Manuals+