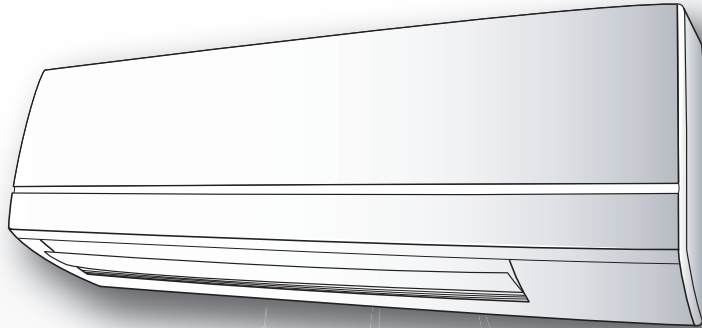


TOSHIBA

OWNER'S MANUAL



ENGLISH

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БЪЛГАРСКИ

EESTI

LATVISKI

SLOVENČINA

SLOVENŠČINA

AIR CONDITIONER (SPLIT TYPE)

For general public use

Indoor unit

RAS-107, 137, 167 SKV Series

Outdoor unit

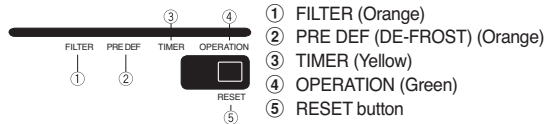
RAS-107, 137, 167 SAV Series

PRECAUTIONS FOR SAFETY

! DANGER	<ul style="list-style-type: none"> Do not install, repair, open or remove the cover. It may expose you to dangerous voltages. Ask the dealer or the specialist to do this. Turning off the power supply will not prevent potential electric shock. The appliance shall be installed in accordance with national wiring regulation. 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.
! WARNING	<ul style="list-style-type: none"> Do not expose your body directly to cool air for a long time. Do not insert your finger or any article into the air inlet/outlet. When an abnormality (burning smell, etc.) occurs, stop the air conditioner and disconnect the power supply or turn off the breaker.
! CAUTION	<ul style="list-style-type: none"> Do not wash the unit with water. It may cause an electric shock. Do not use this air conditioner for other purposes such as preserving food, breeding animal, etc. Do not step or put anything on the indoor/outdoor unit. It may cause an injury or damage the unit. Do not touch aluminium fin because it may cause an injury. Before cleaning the unit, turn off the main switch or the circuit breaker. When the unit won't be used for a long time, turn off the main switch or the circuit breaker. It is recommended that maintenance be performed by a specialist when the unit has been operated for a long time.

1 INDOOR UNIT DISPLAY

Models: RAS-137, 167SKV-E



- ① FILTER (Orange)
- ② PRE DEF (DE-FROST) (Orange)
- ③ TIMER (Yellow)
- ④ OPERATION (Green)
- ⑤ RESET button

Models: RAS-107SKV-E



- ① OPERATION (Green)
- ② TIMER/CLEANING (Yellow)
- ③ RESET button

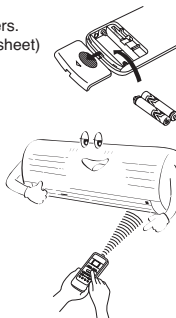
2 PREPARATION BEFORE USE

Preparing Filters

- Open the air inlet grille and remove the air filters.
- Attach the filters. (see detail in the accessory sheet)

Loading Batteries

- Remove the cover. Insert 2 new batteries (AAA type) following the (+) and (-) positions.
- Push RST : Reset the remote control.
- Place the cover back.



3 AIRFLOW DIRECTION

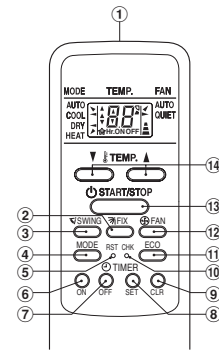
1	Press FIX : Move the louver in the desired vertical direction.	
2	Press SWING: Swing the air automatically and press again to stop.	
3	For horizontal direction, adjust manually.	

Note:

- Do not move the louver manually by others.
- The louver may move automatically positioning by operation mode.

4 REMOTE CONTROL FUNCTION

- ① Infrared signal emitter
- ② Set louver button (FIX)
- ③ Auto louver button (SWING)
- ④ Mode select button (MODE)
- ⑤ Reset button (RST)
- ⑥ On timer button (ON)
- ⑦ Off timer button (OFF)
- ⑧ Reserve button (SET)
- ⑨ Cancel button (CLR)
- ⑩ Check button (CHK)
- ⑪ ECO button (ECO)
- ⑫ Fan speed button (FAN)
- ⑬ Start/Stop button (START/STOP)
- ⑭ Temperature button ()



5 AUTOMATIC OPERATION (AUTO CHANGEOVER)

To automatically select cooling or fan only operation and control fan speed.

- Press MODE : Select AUTO.
- Press : Set the desired temperature.

The manufacture setting temperature is 24°C and available range of set temperature is ±5°C.

6 COOLING / HEAT/AUTO FAN OPERATION

- Press MODE: Select COOL, HEAT or AUTO FAN.
- Press : Set the desired temperature.
COOL: Min 17°C, HEAT: Max 30°C, AUTO FAN : No temperature indication
- Press FAN : Select AUTO, QUIET, LOW , MED , HIGH .

7 DRY OPERATION

For dehumidification, a moderate cooling performance is controlled automatically.

- Press MODE : Select Dry.
- Press : Set the desired temperature.

8 ECONOMICAL OPERATION

To automatically control room temperature, fan speed and operation mode

- Press ECO in the AUTO and COOL operation: Start and stop the operation.
- Press MODE or FAN after stopping the operation.

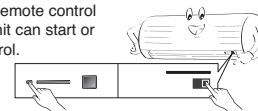
Note:

- Under certain conditions, ECO mode may not provide adequate cooling due to energy saving features.

9 TEMPORARY OPERATION


In case of the misplaced or discharged remote control

- Pressing the RESET button, the unit can start or stop without using the remote control.
- Operation mode is set on AUTOMATIC operation, preset temperature is 24°C and fan operation is automatic speed.



10 TIMER OPERATION

Setting ON/OFF Timer

1. Press ON or OFF.
2. Press SET : Set the timer.
3. Press CLR : Cancel the timer.
4. Press  START/STOP : Stop the air conditioner timer.

Note:

- If you do not press the SET, ON or OFF button for 30 seconds, the timer setting is cancelled.

11 AUTO RESTART OPERATION

To automatically restart the conditioner after the power failure (Power of the unit must be on.)

Setting

1. Press and hold the RESET button on the indoor unit for 3 seconds to set the operation. (3 beep sound and OPERATION lamp blink 5 time/sec for 5 seconds)
 - Do not operate ON timer and OFF timer.
2. Press and hold the RESET button on the indoor unit for 3 seconds to cancel the operation. (3 beep sound but OPERATION lamp does not blink)


12 QUIET OPERATION

To operate at super low fan speed for quiet operation (except in DRY mode)

Press  FAN : Select QUIET operation.

Note: Under certain conditions, QUIET operation may not provide adequate cooling or heating due to low sound features.

13 MAINTENANCE

 Firstly, turn off the circuit breaker.

Filter Reset (Some models only)

FILTER lamp lights on; the filter must be cleaned.

To turn off the lamp, push the RESET button on the indoor unit.

Indoor Unit and Remote Control

- Clean the indoor unit and the remote control with a wet cloth when needed.
- No benzene, thinner, polishing powder or chemically-treated duster.

14 OPERATION AND PERFORMANCE

1. Three-minute protection feature: To prevent the unit from being activated for 3 minutes when suddenly restarted or switched to ON.
2. Preheating operation: Warm up the unit for 5 minutes before the heating operation starts.
3. Warm air control: When the room temperature reaches the set temperature, the fan speed is automatically reduced and the outdoor unit will stop.
4. Automatic defrosting: Fans will stop during defrost operation.
5. Heating capacity: Heat is absorbed from outdoors and released into the room. When the outdoor temperature is too low, use another recommended heating apparatus in combination with the air conditioner.
6. Consideration for accumulated snow: Select the position for outdoor unit where it will not be subjected to snow drifts, accumulation of leaves or other seasonal debris.
7. Some minor cracking sound may occur when unit operating. This is normal because the cracking sound may be caused by expansion/contraction of plastic.

Note: Item 2 to 6 for Heating model

Air conditioner operating conditions

Temp. Operation	Outdoor Temperature		Room Temperature
	137, 167SKV-E	107SKV-E	
Heating	-15°C ~ 24°C	-10°C ~ 24°C	Less than 28°C
Cooling	-10°C ~ 46°C	15°C ~ 43°C	21°C ~ 32°C
Dry	-10°C ~ 46°C	15°C ~ 43°C	17°C ~ 32°C

15 TROUBLESHOOTING (CHECK POINT)

The unit does not operate.	Cooling is abnormally low.
<ul style="list-style-type: none"> • The power main switch is turned off. • The circuit breaker is activated to cut off the power supply. • Stoppage of electric current • ON timer is set. 	<ul style="list-style-type: none"> • The filters are blocked with dust. • The temperature has been set improperly. • The windows or doors are opened. • The air inlet or outlet of the outdoor unit is blocked. • The fan speed is too low. • The operation mode is FAN or DRY.

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16 REMOTE CONTROL A-B SELECTION

To separate using of remote control for each indoor unit in case of 2 air conditioners are installed nearby.

Remote Control B Setup.

1. Press RESET button on the indoor unit to turn the air conditioner ON.
2. Point the remote control at the indoor unit.
3. Push and hold [CHK] button on the Remote Control by the tip of the pencil. "00" will be shown on the display.
4. Press [MODE] during pushing [CHK]. "B" will show on the display and "00" will disappear and the air conditioner will turn OFF. The Remote Control B is memorized.

- Note:**
1. Repeat above step to reset Remote Control to be A.
 2. Remote Control A has not "A" display.
 3. Default setting of Remote Control from factory is A.

