

Panasonic®

Operating & Installation Instructions

Fully Automatic Washing Machine
(Household Use)

Model No. **NA-FS16V5SSA**



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Thank you for purchasing this product.

- Read these instructions carefully for optimum performance and safety before use.
- Keep this manual for future reference.



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Safety Precautions

Read and follow these safety precautions.



WARNING

May cause serious injury or death.

Do not allow children to use on their own.

- 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.
- Children should be supervised to ensure that they do not play with the appliance.

Observe the following about the power plug and cord.

(To prevent fire or electric shock)

- Do not plug in or unplug the power cord with wet hands.
- Do not hold or pull on the cord when removing the plug from the socket.
- Do not use a power cord or plug that is damaged. If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Use a socket that satisfies the rating requirement solely for this appliance. Do not use a plug adaptor or extension cord.
- Always fully insert the power plug into the socket.
- Wipe the power plug periodically with a dry cloth. (Accumulated dust collects moisture, which may cause insulation failure, resulting in fire.)
- Unplug the power cord before cleaning.



WARNING

Never disassemble, repair or modify the appliance yourself.

- In case of malfunction or failure (burnt odour smell, fume, etc.), immediately stop use, unplug the power cord, and ask your nearest service centre for repair.

Keep away from fire.

Do not put flammable materials or clothes with such things attached in the tub.

Keep them away from the appliance.

(To prevent explosion or fire)

- For example: Kerosene, gasoline, benzine/thinner, alcohol, etc.

Do not touch the tub until it completely stops.

(To prevent injury)

- If the tub does not stop within 15 seconds when the lid is opened during spin process, switch off the appliance immediately and call a service person.

Be sure to provide a ground.

(To prevent electric shock if electricity leakage occurs.)

- To establish a ground, ask a service person to do the grounding work.

External water heater safety

- Under certain conditions, hydrogen gas may be produced in your hot water heater that has not been used for two weeks or more. Hydrogen gas can be explosive under these circumstances. To prevent the possibility of damage or injury, you should turn on all hot water faucets in your home, and let the water flow out for several minutes before connecting to your washer. This will allow any built-up hydrogen gas to escape. Since hydrogen gas is flammable, do not smoke or use an open flame or start appliance during this process.

Safety Precautions (continued)



CAUTION

May cause injury or property damage.

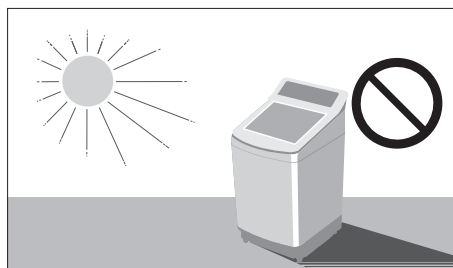
Do not wash, rinse, or spin waterproof sheets or clothes.

(To prevent injury, damage to the main unit, walls, floor or laundry, or water leakage if the appliance falls over or oscillates extremely while spinning)

- Raincoats, wet suits, etc.

Locate away from direct sunlight or heat.

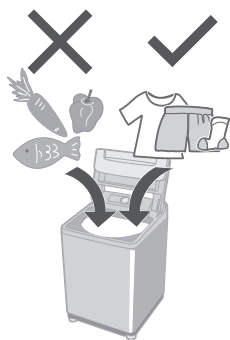
(To prevent malfunction or deformation)



Turn off the water faucet after operation.

(To prevent water leakage)

For Machine-washable items only.



- This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses;
 - by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - areas for communal use in blocks of flats or in laundrettes.



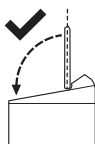
CAUTION

Observe the following

- Be careful not to get your fingers caught.



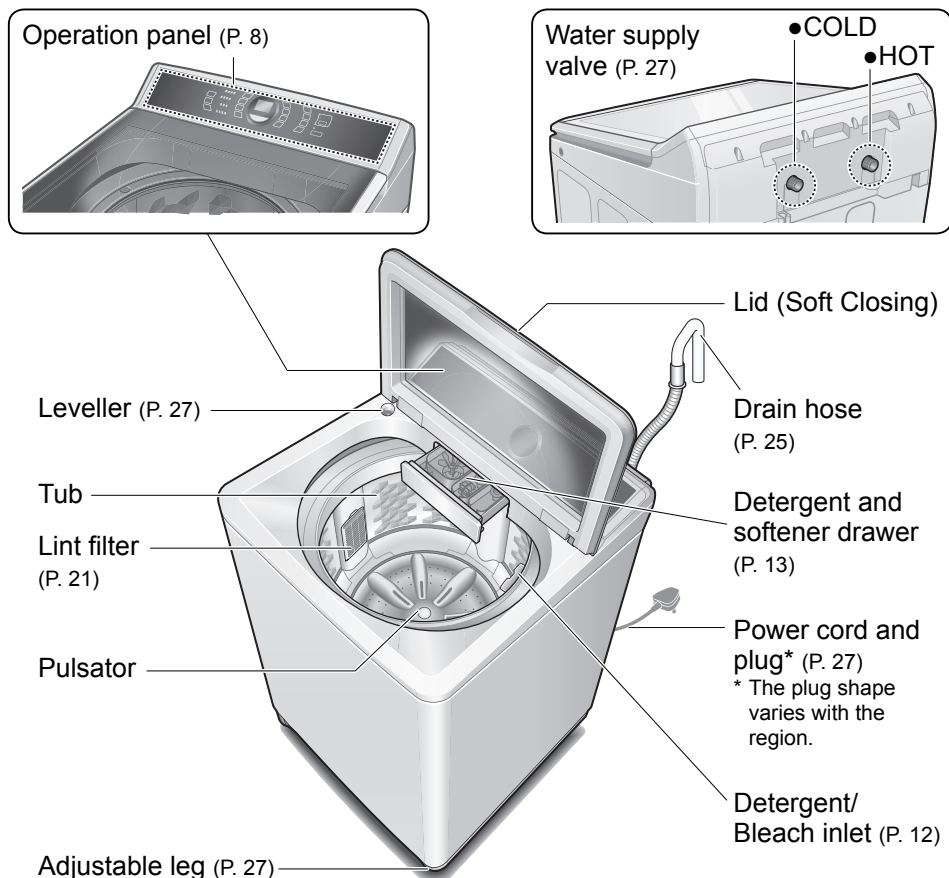
Beware of sudden
lid closing.



Soft closing when
fully opened.

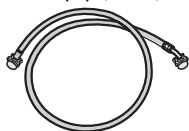
- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.
- Do not obstruct the openings of the bottom face with carpet, etc.
- Do not insert your hands or feet under the main unit.
(To prevent injury by rotating parts.)
- Do not climb or put heavy objects on the appliance.
(To prevent deformation and breakage resulting in injury)
- If the lid is broken, immediately stop using the appliance.
(To prevent deformation and breakage resulting in injury)
- Do not use water hotter than 60 °C.
- Do not make wrong connection for the HOT and COLD water supply faucets.
- Depending on the connected water heater, very hot water may come out. Be careful not to burn yourself.
- For maximum mass of dry cloth and pressure of tap water, see P.30.

Part Names / Accessories

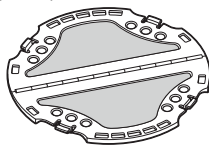


Accessories

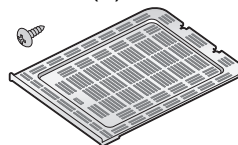
☐ Water supply hose (2) (P. 26)



☐ Washing board (1) (P. 16)



☐ Bottom cover (1) (P. 24)
Screw (1)



☐ Drain hose (1)
Hose band (1) (P. 25)



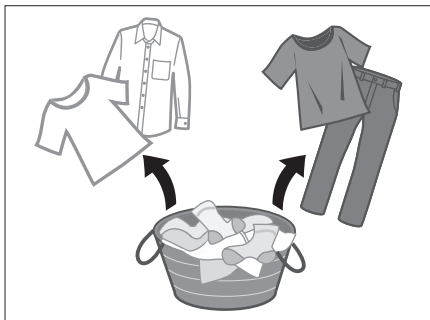
☐ Hose holder (1)
Screw (1) (P. 25)



Before Washing

Laundry preparation and check

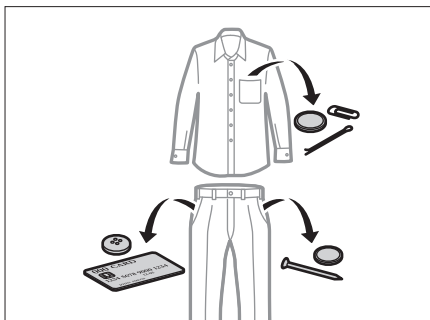
■ Wash separately for clothes losing colour easily



■ Pre-laundry check

(To prevent damage to clothes, malfunction and drainage failure)

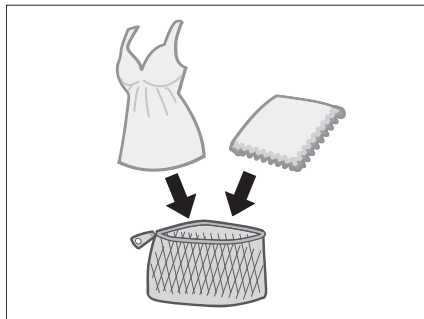
- Remove coins, pins, paper clips, nails, etc.



- Fasten buttons and close zippers.
- Do not wash items (such as paper diapers) other than laundry.
- Reverse clothes likely to pill.
- Use a brush to remove pet and human hair, sand, etc.
- Tie strings, etc.

■ Use laundry nets for delicates

- Underwire brassieres, lacy clothes, lingerie and stockings



- Do not overpack.
- Put the zipper's slider into the cover. (To prevent damage to clothes and the main unit)
- Do not use the "Super Dry 90" program. (To prevent uneven drying and wrinkles)

■ For "Stain Master" program

(P. 10)

- Recommended for removing stains.
- Observe the instructions on the care labels of clothes.

Operation Panel

Change water amount

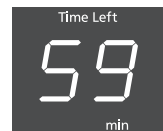
During the wash process, press "Water Level" to check and change the water amount.

- Some water amounts cannot be selected depending on the program.

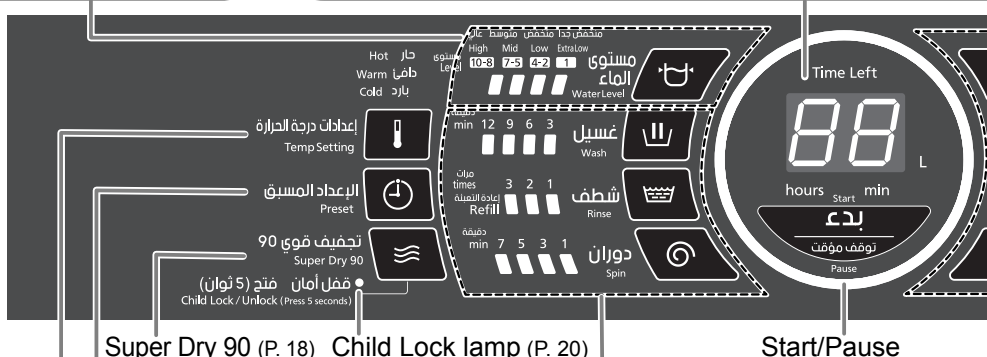
Water amount/remaining time



After starting operation, indicates the water amount according to the amount of laundry.



After approx. 5 seconds, indicates the approximate remaining time (min).



Super Dry 90 (P. 18) Child Lock lamp (P. 20)

Start/Pause

Temp Setting

For washing, cold water can be mixed with hot water. Press the button to select Hot/Warm/Cold. (P. 14)

Do not use water hotter than 60 °C.

- The estimated water temperature in the tub during wash process (when hot water is 50 °C, and normal water is 20 °C):

Hot	approx. 40 °C
Warm	approx. 30 °C

- Lamp indications
Lighted: Hot/Warm/Cold is set.
Flashing: Hot water is being supplied.
- Not available for the following programs: Gentle Hand Wash, Tub Hygiene, Super Dry 90
- Temp setting for "Soak Program" in accordance with standard SASO 2885 : - Cotton 60: Hot
- Cotton 40: Warm

Preset





Set the time to finish washing (in hours). (⊕ lights.)



e.g.) 8 hours later

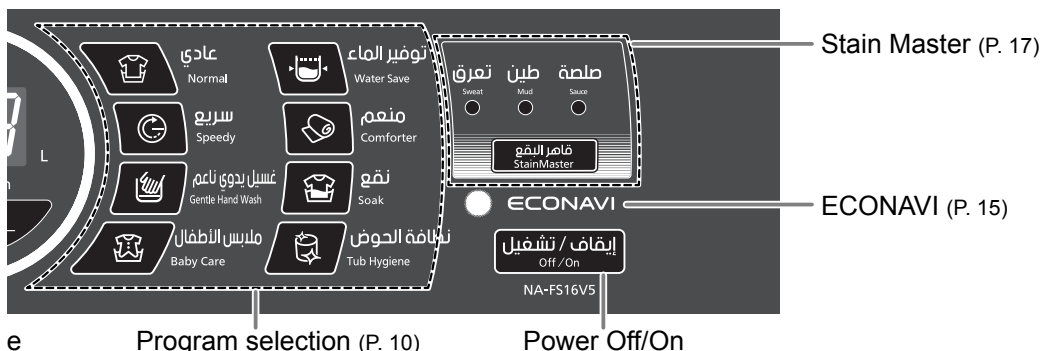
- Setting range: 2 - 24 hours later, in one-hour increments. (4 - 24 hours later for the "Soak" program)
- Not available for the following programs: "Gentle Hand Wash", "Comforter", "Tub Hygiene", "Super Dry 90"

Water level/water amounts

Level	High 10-8			Mid 7-5			Low 4-2			Extra Low 1
Detergent*										
Water amount (L)	99	88	81	74	66	59	52	46	38	33

*  : 1 scoop of detergent

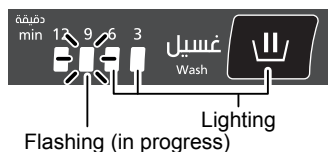
- Water level for “Soak Program” in accordance with standard SASO 2885 (Full load: 99 L / Half load: 74 L)
- Each water level, except “Extra Low”, has three water amount options that can be switched while the level is lighted by pressing “Water Level”.



Operation Panel

Change process settings

Change the combination of wash, rinse and spin processes, and the time length or number of times for individual processes. (P. 18)



- After starting operation, you can change settings only during wash process by pressing “Start/Pause”. (The wash process setting of the “Soak” and “Stain Master” program cannot be changed.)











Touch operation

- Operation buttons are capacitive (Except for the power Off/On and Start/Pause buttons). Touch the buttons directly with your bare fingers.
- When a towel containing water or detergent touches an operation button, the appliance may malfunction.

NOTE

- In case of a power failure during operation, operation will resume from the point where it was stopped when the power is recovered (Auto Restart).
- The power turns off automatically if you do not press “Start/Pause” within 10 minutes after power-on.

Variety of Programs

Program			Purpose
	Normal (P. 14)		Everyday clothes ● Daily washing
	Speedy (P. 14)		Speedy washing for light soil
	Gentle Hand Wash (P. 16)		Delicates ● Washing delicates gently
	Baby Care (P. 14)		Clothes for babies & people with sensitive skin ● Rinsing thoroughly
	Water Save (P. 14)		Saving water * To rinse thoroughly, use the “Normal” or “Baby Care” program.
	Comforter (P. 16)		Comforters and Blankets
	Soak (P. 14)		Heavily soiled clothes ● Presoaking to wash
 (P. 17)	Light stain	Sweat	Sweat stains
		Mud	Mud stains
	Heavy stain	Sauce	Sauce stains (soya, tomato, etc.)
	Super Dry 90 (P. 18)	Drying synthetic fibre clothes	
		Tub drying	
	Tub Hygiene (P. 23)		Tub cleaning ● Preventing black mould and smell

NOTE

- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.

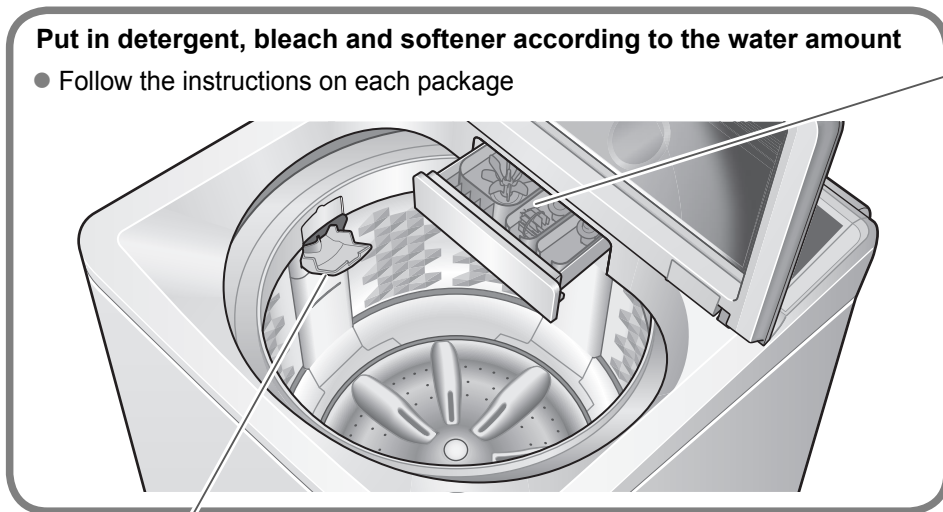
	Maximum capacity
	16.0 kg
	16.0 kg
	2.5 kg
	16.0 kg
	16.0 kg
	4.2 kg
	16.0 kg
	5.0 kg
	3.0 kg
	—
	—

Variety of Programs

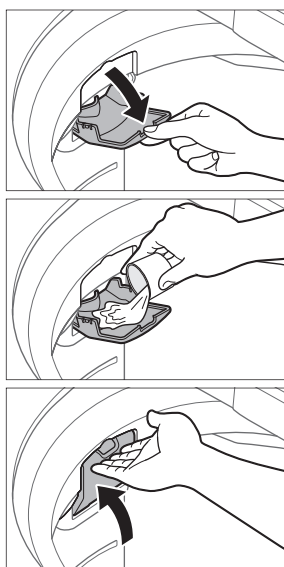
Detergent

Put in detergent, bleach and softener according to the water amount

- Follow the instructions on each package



Detergent/ Bleach inlet

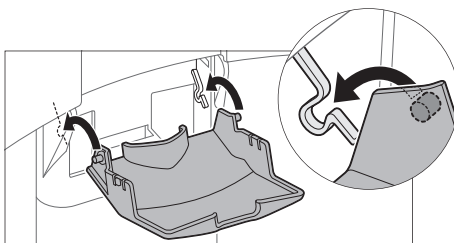


Bleach

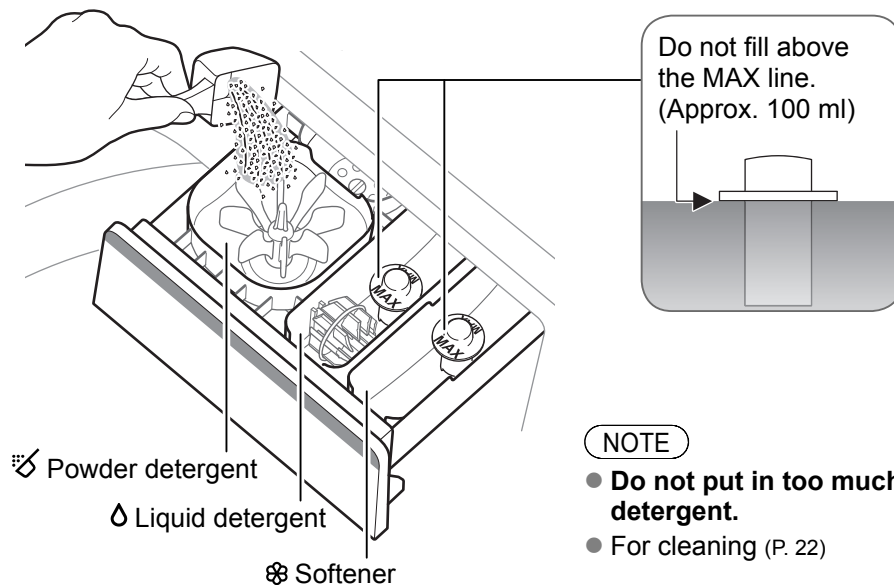
- Do not use whiten bleach (chlorine bleach) for coloured clothes to prevent loss of colour.
- Do not use bleach for the “Gentle Hand Wash” program.

NOTE

- Turn the tub by hand if it is difficult to put in the detergent/bleach inlet. (P. 20)
- Attach the detergent/bleach inlet cover if it comes off.
- If the detergent/bleach inlet cover is wet, wipe it before use. (Wet cover can cause detergent clumps.)



Detergent and softener drawer



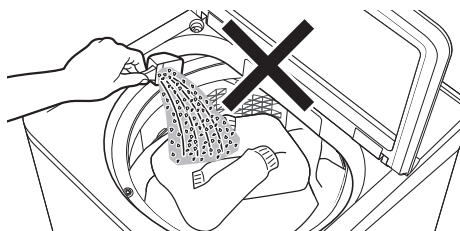
NOTE

- Do not put in too much detergent.
- For cleaning (P. 22)

Detergent

Do not put detergent directly into the tub.

Detergent may remain undissolved.

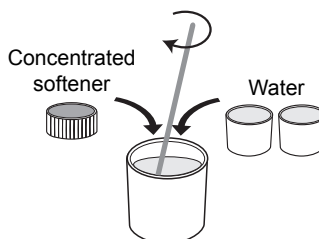


NOTE

- If powder detergent is poorly soluble, put detergent in the detergent/bleach inlet.
- The level of foaming depends on the condition such as load size, degree of soiling, detergent type, and water hardness.

Softener

- Softener is automatically released during the final rinse process.
- To add softener during operation, press "Pause" first.
- When using concentrated softener, dilute it with water before putting it in.



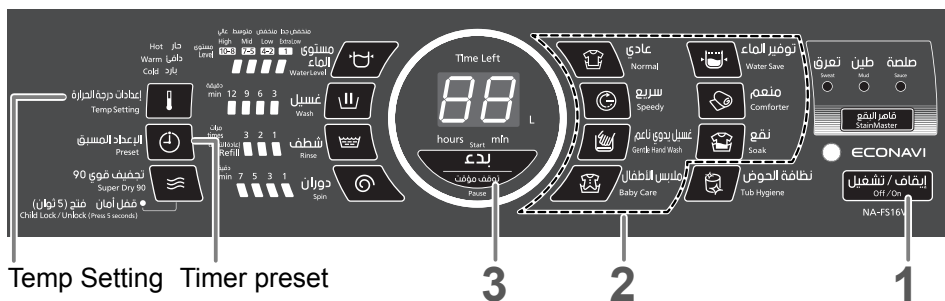
NOTE

- Softener cannot be used with the "Water Save" program.
- Do not use separated or solidified softener.

Washing

Preparation:

- Check if the washing machine is properly installed. (P. 24)
- Turn on the water faucet.
- When using Temp Setting, turn on both hot and cold water faucets.



1 إيقاف / تشغيل Off / On

After loading laundry
Turn the power on.

- The "Normal" program is selected when the power is turned on.

Press to select Hot/Warm/
Cold for washing. (P. 8)

Hot ← Warm ← Cold

2 Select a program. (P. 10)

- Temp Setting
- Timer preset

Set how many hours later
to finish operation. (P. 8)

3 Start.

The pulsator moves without water and measures the amount of laundry (approx. 10 seconds).

Water amount indication
(approx. 5 seconds)

Remaining time indication

- To check the water amount
→ Press "Water Level".

إعداد المسبق
Preset

- 2 minutes after start, all indications except ⏻ turn off.

- To confirm after the timer has been set, press

- To cancel or change, press

إيقاف / تشغيل
Off / On

- The hours that can be set differ depending on the program.

4 According to the water amount indication

Put in detergent.

- Approx. 20 seconds after the water amount is displayed, water supply begins.

5 Close the lid.



Operation ends with beeps.

■ After pressing “Start”

- You can change the water level until the end of the wash process.
- You can change each of the “Wash”, “Rinse” and “Spin” operation contents until the end of the wash process. Press “Pause” beforehand.
- You cannot change the program.

ECONAVI

Available in the “Normal” program, this function automatically adjusts the operation time and water amount according to the detected amount of laundry and water temperature. ECONAVI will not work if you change the water amount or process settings.

■ Lamp indications



- Flashing: Detecting
- Lighting: ECONAVI enabled
- Off: ECONAVI disabled

■ Switch on/off



Press and hold for 3 seconds

to select (On) or (Off)

6 beeps

* Test conditions:

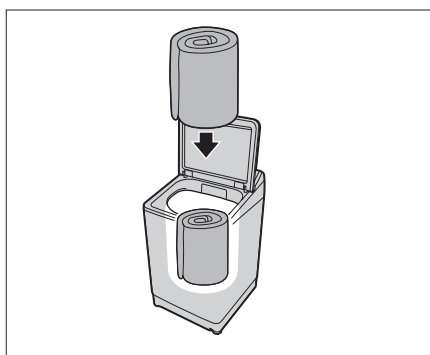
- “Normal” program
- Comparison between ECONAVI-enabled operation (amount of laundry: 4.0 kg, water temperature: above 35 °C) and ECONAVI-disabled operation (amount of laundry: 16.0 kg (rated capacity), water temperature: below 15 °C)
- Test was conducted based on IEC60456 except for water temperature.

Washing Options

Comforter

■ Washable comforters and blankets

- Material: 100 % synthetic fibre or 100 % cotton
- Weight: 4.2 kg or less
- Comforters and blankets with a machine-washable tag attached



NOTE

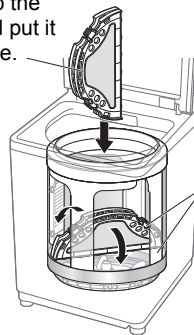
- Use liquid detergent.
- The water amount indication shows the maximum and cannot be changed.

Gentle Hand Wash

Use this program to gently wash delicate clothes and stylish garments.

Attach the washing board.

- 1) Double up the board and put it in the base.



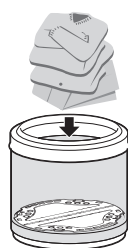
- 2) Align the position and open the board.

- 3) Press the board circumference and fix it.



- Set the claws (4 places) securely.

Load the laundry.



Load laundry evenly.

- Load lighter items first and press them from above.
- Use laundry nets for delicate underwear only.
- Amount that can be washed at one time:

Water Level	Capacity
46 L	2.5 kg
38 L	1.2 kg

NOTE

- Do not use bleach.
- Use liquid delicate detergent.
- After operation ends, take out clothes immediately.
(To prevent wrinkles and colour staining)

Stain Master

Preparation:

- Turn on the water faucet.
- When using Temp Setting, turn on both hot and cold water faucets.



1 **إيقاف / تشغيل** After loading laundry
Off / On Turn the power on.

2 **قاهر البقع** Select a
StainMaster “Stain Master”
program. (P. 10)

- Temp Setting (P. 8)
- Timer Preset (P. 8)

3 **بدء** Start.
Start / Pause

4 According to the water amount
indication
Put in detergent.

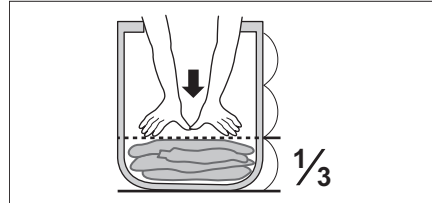
5 Close the lid.



Operation ends with beeps.

NOTE

- Amount that can be washed at one time: Max. 5.0 kg



- Maximum water amount
 - Sweat: 81 L
 - Others: 66 L
- The following pretreatments are effective for heavily stained clothes.
 - Hand wash them first.
 - Apply stain remover to stained areas.
- See “Laundry preparation and check” before washing. (P. 7)

Washing Options

Washing Options (continued)

Super Dry 90

Water is removed from clothes by the air blown from the tub rotation.

■ Clothes that can be dried

- Material: Synthetic fibre
- Weight: 3.0 kg or less

1  After loading clothes and closing the lid
Turn the power on.

2  **Press.**

3  **Start.**

After 90 minutes, drying ends with beeps.

NOTE

- Clothes may not be sufficiently dried depending on the amount and type of clothes, the temperature, and the installation condition of the washing machine.
- Since no heater is used for this function, you may feel that clothes are cold and half dry.

Wash / Rinse / Spin

Preparation:

Turn on the water faucet.

1  After loading laundry
Turn the power on.

2  According to your purpose
Change process settings.

3  **Select water temperature.**

4  After closing the lid
Start.

Operation ends with beeps.

Contents of Programs

Program	Total time (min)	Wash (min)	Rinse (times)	Spin (min)
Normal	65	12	2	5
Speedy	60	9	2	5
Gentle Hand Wash	45	12	2	1
Baby Care	75	12	2	7
Water Save	80	12	3	5
Comforter	80	12	2	3
Soak	185 ^{*1}	(Soak 12 min) + 2 ^{*2}	3	5
Sweat	60	10 ^{*2}	2	5
Mud	75	25 ^{*2}	2	5
Sauce	105 ^{*1}	(Soak 20 min) + 35 ^{*2}	2	5
Tub Hygiene	150 ^{*1}	(Soak 60 min) + 2 ^{*2}	2	30 ^{*3}

*1 Remaining time of 99 minutes or less will be displayed.



*2 The “12 min” lamp of Wash flashes.

*3 The “7 min” lamp of Spin flashes.

NOTE

- **Total time is approximate.**
(When the standard water supply rate is 15 L / min and the water temperature is 28 °C)
- Total time may increase depending on low water pressure, water temperature, voltage, bad draining conditions, and the amount and type of clothes.

Convenient Functions

Cancelling end buzzer

- 1  **Pressing down, press.**
Then hold on for 3 seconds.


2 short beeps

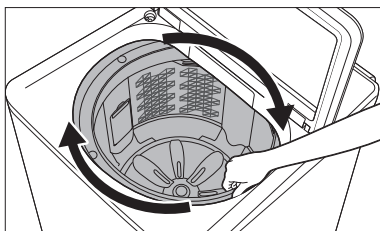
- To reset, do the same procedure.

4 short beeps

Turning the tub by hand

If it is difficult to reach the detergent/bleach inlet.

- 1  **Turn the power on.**
- 2 When a clicking sound is heard **Turn the tub within 20 seconds.**



Clockwise only

NOTE

- If there is water in the tub, the tub cannot be turned.

Setting Child Lock

To prevent children from falling into the tub and drowning, if the lid is opened while the washing machine is operating, this function sounds a buzzer until it is closed. Not closing it within 10 seconds flushes the water out.

- This function does not lock the lid and button operations.
- When water is drained forcibly, "U 99" is displayed. (P. 28)

- 1  After closing the lid **Turn the power on.**

- 2  **Press and hold for 5 seconds.**

2 short beeps



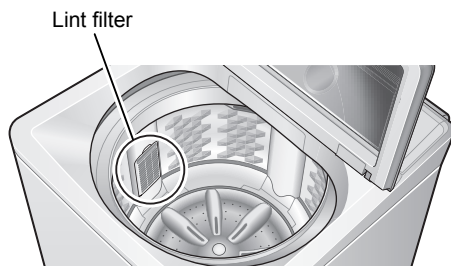
- To cancel, do the same procedure.

4 short beeps

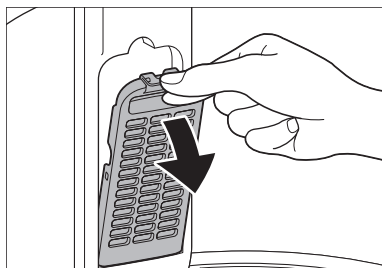
Maintenance

Lint filter

After each operation

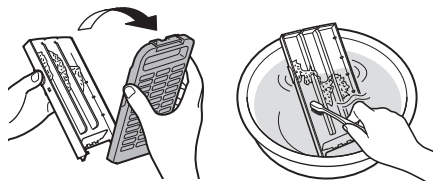


1 Remove the filter.

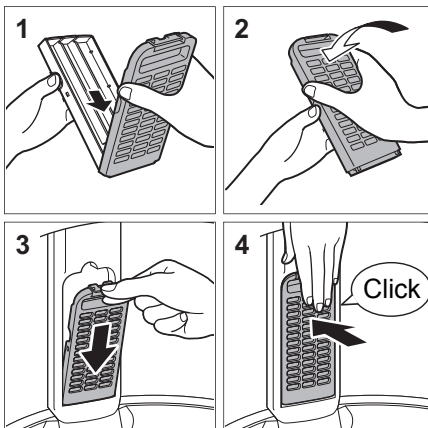


2 Open the filter and remove lint.

- If lint is difficult to remove, soak and wash the filter in water.



3 Attach the filter in its original position.



NOTE

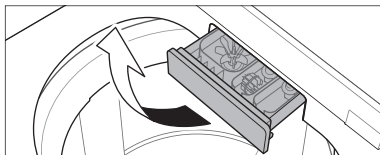
- Do not wash laundry without the filter. (To prevent damage to clothes)
- Turn the tub by hand if it is difficult to remove the filter.
- If the filter is broken, purchase a new one at your local dealer.

Maintenance (continued)

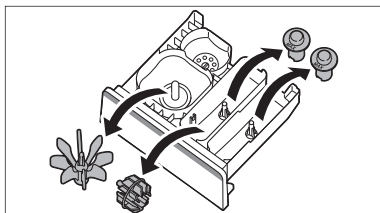
Detergent and softener drawer

If stained with detergent or softener

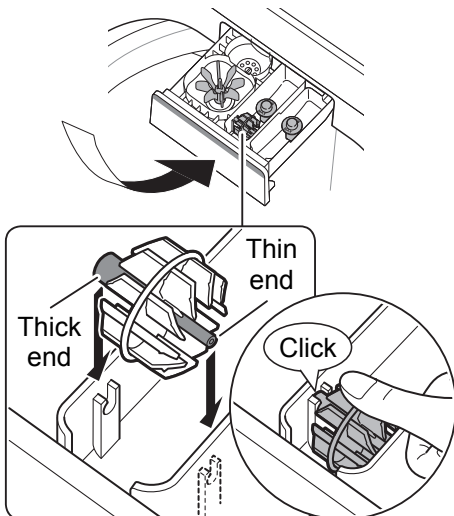
1 Remove the drawer.



2 Wash the drawer and its parts.



3 Set the parts by pushing it all the way down, and then reattach the drawer.



NOTE

- Set the parts firmly for the detergent and softener to be released properly.

Main unit, lid

If stained with detergent or softener

Wipe with a soft cloth.

(To prevent damage to resin parts or metal corrosion)

- For heavy soil, wipe with a neutral kitchen detergent.
- Do not splash water.

Water supply filter

If water does not flow smoothly

- Follow the procedure below to prevent splashing of water.

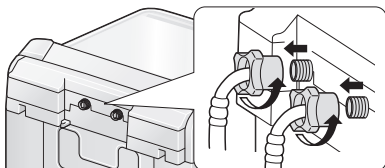
1  After turning off the water faucet
Turn the power on.

2  **Select Hot or Warm.**

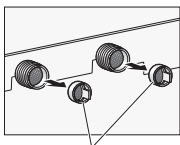
3  **Start.**

4  After approx. 40 seconds
Turn the power off.

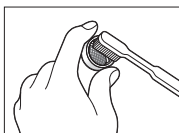
5 Loosen the nut and remove the hose.



6 Remove the filter and remove dirt on the filter.



Water supply filter



7 Reattach the filter to its original position.

Tub

Once a week <Super Dry 90>

1 After operation ends
Run the “Super Dry 90” program without loading laundry. (P. 18)

Once a month <Tub Hygiene>

Preparation:

Turn on the water faucet.

1  Without loading laundry
Turn the power on.

2  **Press.**

3  **Start.**



 When the tub is filled with water
Pause.

4 Put bleach in the tub.

- Use whiten bleach (chlorine bleach).



Approx. 200 ml

5  After closing the lid
Start.



After approx. 2 hours and a half, tub cleaning ends.

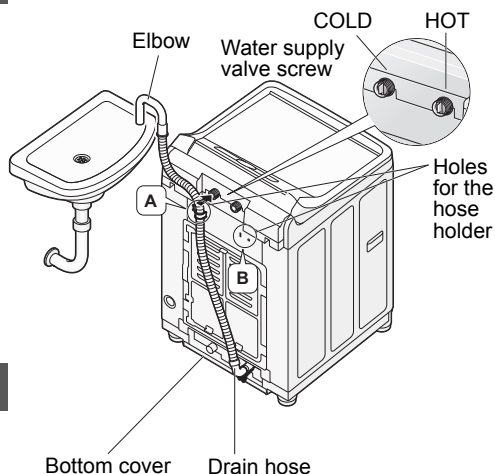
Installation

- Make sure to ask a service person for installation. Do not install by yourself.
- If the installation, test run and inspection of the washing machine are not carried out following this installation method, Panasonic will not be liable for any accident or damage caused.

1. Check the location.

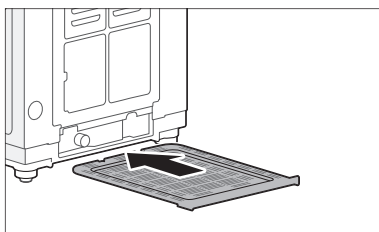
■ Avoid the following locations for installation.

- Damp locations or locations where it may be exposed to rain, etc.
(To prevent electric shock or fire)
- Uneven or unstable locations
(on blocks, timbers, a table with wheels, etc.)
- Locations with a possibility of freezing

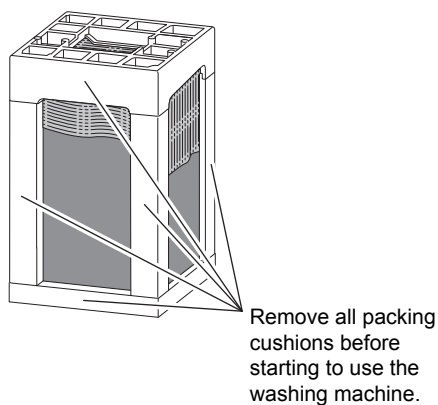
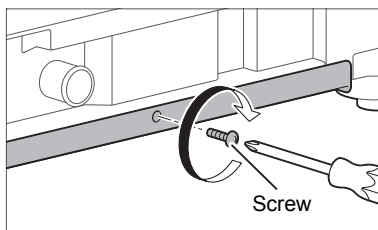


2. Attach the bottom cover.

1 Insert the bottom cover along the guides.



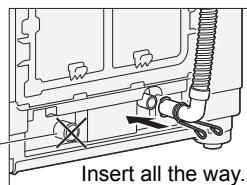
2 Fix with a screw.



3. Attach the drain hose.

1 Connect.

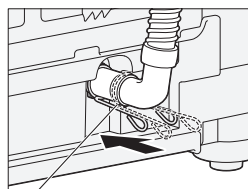
Do not connect here.



Insert all the way.

2 Slide the hose band in the arrow direction.

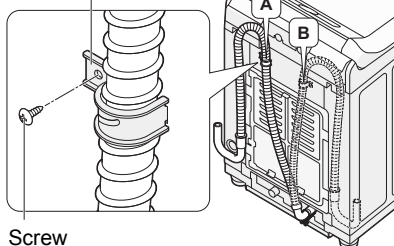
- Slide all the way until it stops.



Hose band

3 Attach the hose to position A or B with the hose holder and the screw.

Hose holder



Screw

4 Hook the elbow of the drain hose to the basin.

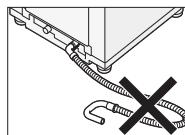
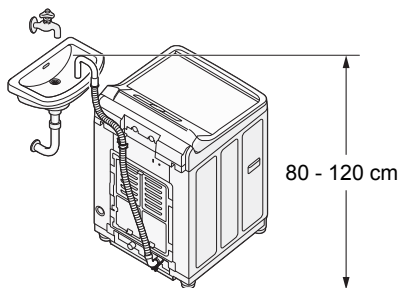


CAUTION

Make sure the drain hose is securely hooked so that it does not come off by water pressure during drainage.

NOTE

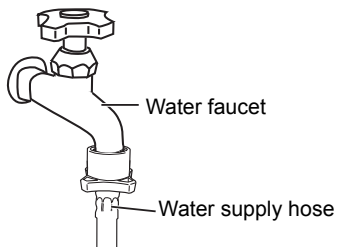
- Do not twist, pull out or bend the drain hose.
- Do not put the hose tip under water.
- Do not direct the drain hose downwards.
- End of drain hose is not lower than high water level in the tub.



Installation

Installation (continued)

4. Connect the water supply hose.

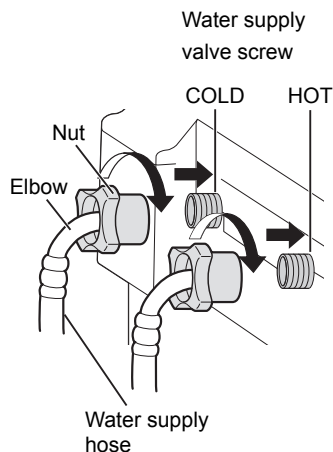


CAUTION

- Do not make wrong connection for the HOT and COLD water supply faucets.
- Tighten the nut firmly.
- Do not twist, squash, modify or cut the hose.

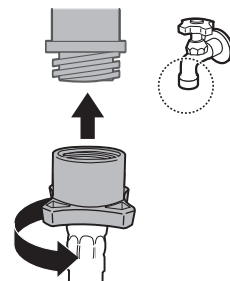
1 Connect the water supply hose to the water supply valve screw.

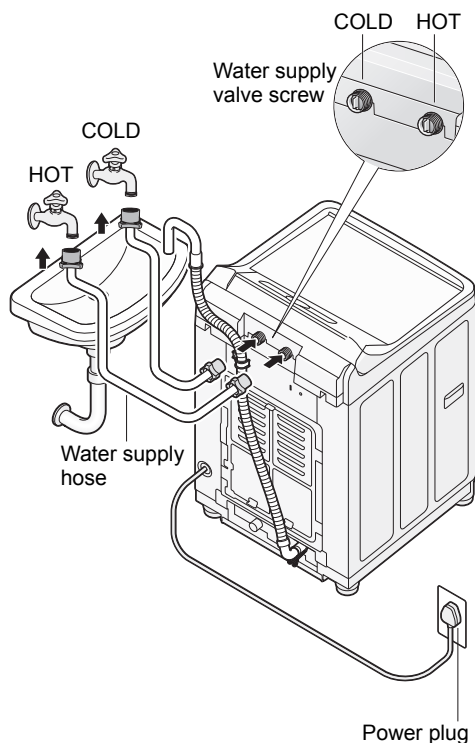
- 1 Hold the elbow and tighten the nut.
- 2 Check that the elbow is not loose.
- The procedure for cold water and hot water is the same.



2 Connect the water supply hose to the water faucet, and tighten the nut clockwise with your hand.

3 Turn on the water faucets slowly and make sure there are no leaks.



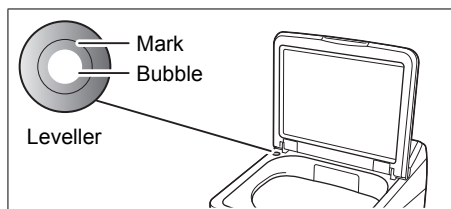


5. Connect the power plug and grounding.

- Ask a service person to do the grounding work.
- In case of a 2-pin power cord, establish a ground.

6. Check that the washing machine is level.

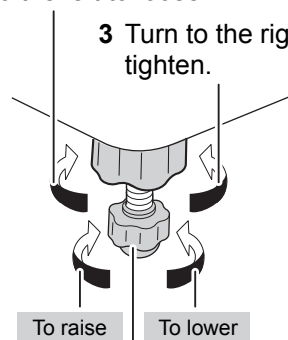
The bubble should be at the centre of the mark.



■ If the bubble is out of the mark

1 Turn the adjustable leg knob to the left to loosen.

3 Turn to the right to tighten.






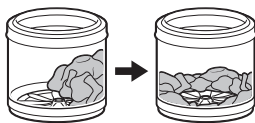



2 Turn the adjustable leg to eliminate wobble.

7. Perform a trial operation.

- Check that there is no water leakage, abnormal sounds or error display.

Error Display

- The buzzer sounds and "U"/"H" and a number are alternately displayed.
- Cancel Child Lock (P. 20) if it is set.

Error Display	Points to be checked
 <p>Water cannot drain.</p>	<p>Check the drain water hose for the following abnormalities:</p> <ul style="list-style-type: none"> - Is it crushed? - Is it clogged with lint? - Is the hose tip under water? <p>When the above problems are solved, you can resume operation by opening and closing the lid.</p>
 <p>The lid is open.</p>	<ul style="list-style-type: none"> - Did you try to run the washing machine with the lid open? → Close the lid.
 <p>Spin or "Super Dry 90" is not possible.</p>	<ul style="list-style-type: none"> - Are clothes concentrated on one side of the tub? → Distribute the clothes evenly and close the lid. - Is the washing machine installed on an unstable or inclined surface? → You can resume operation by opening and closing the lid. 
 <p>Water cannot be supplied.</p>	<ul style="list-style-type: none"> - Is the water faucet turned on? - Water outage? - Is the water supply filter clogged with dirt? (P. 23) → You can resume operation by opening and closing the lid.
 <p>Water has been forcibly drained.</p>	<ul style="list-style-type: none"> - Water has been forcibly drained because the lid was open for 10 seconds or more with Child Lock (P. 20) set. → Unplug the power cord and plug it in again after 5 seconds.
 <p>Inspection is required.</p>	<ul style="list-style-type: none"> - Turn off the water faucet just to be safe. Then, report the error displayed (2-digit number after "H") to a service person. Unplug the power cord.

Troubleshooting

	Symptoms	Points to be checked
Time	Time indication increases or does not decrease	- Time indication is approximate. Remaining time is corrected during operation and displayed.
	Operation time is longer than the time indication. Operation does not stop even after the preset time.	- The operation time may be longer if laundry is concentrated on one side or the water supply or drainage is not good. (P. 28 "U 11" "U 14")
Main unit	No operation	- Power failure? - Is the lid closed completely? - Has the power fuse blown or the breaker tripped? - Is the power plug inserted completely? - Is the water faucet turned on? - Did you press "Start"? - Is the timer preset?
	Cannot change process settings (after start-up).	- Process settings can be changed during wash process by pressing "Pause". To change the program or settings after the end of wash process, turn the power off and on again.
Wash	No water supply	- Is the water faucet turned on? - Water outage? - Is the water supply filter clogged with dirt? (P. 23)
	Water is supplied in the middle of wash process.	- If the water level drops, water is added automatically. - With a large amount of laundry, water is added several times automatically.
	The water level is too high for the amount of laundry.	- If laundry is wet or there is water in the tub before operation, the water level may be higher.
	The water level is too low for the amount of laundry.	- With light clothes (of synthetic fibre, etc.), the water level may be lower.
Rinse/Spin	Operation started with rinse, but water is not supplied.	- If there is no water in the tub, water is supplied after spin. - If there is water in the tub, water is supplied after water discharge.
	Operation suddenly changes to rinse process in the middle of spin. Only spin is desired, but operation starts with rinse.	- If clothes are concentrated on one side of the tub, the washing machine automatically corrects unevenness by starting rinse process. (Place clothes as evenly as possible.)
	Irregular rotation during spin	- The tub rotation speed is adjusted to reduce foaming during spin.



Troubleshooting (continued)

	Symptoms	Points to be checked
Others	Power failure/The breaker has tripped.	- Operation will resume from the point where it was stopped when the power is recovered (Auto Restart).
	Water outage	- When water supply is recovered, remove the water supply hose, release turbid water from the faucet, and then start the washing machine.
	The “Stain Master” program has no effect (Stains are not removed).	- Pretreatments have been performed? (Hand washing, applying stain remover, etc.) - The amount of laundry is under 5.0 kg? (P. 17) - The “Stain Master” program is selected according to the type of stains? (P. 10)
	Powder detergent remains undissolved.	- Put the detergent in the detergent/bleach inlet. (P. 12)
	There is noise when water drains out.	- This is normal. It is the noise of the drain pump working.

Specifications

Model No.	NA-FS16V5SSA
Rated voltage	220 V
Rated frequency	60 Hz
Rated power consumption	580 W
Standard water amount	99 L
Maximum mass of dry cloth	16.0 kg
Product dimensions	643 mm (W) x 715 mm (D) x 1120 mm (H)
Product weight	50 kg
Pressure of tap water	0.01 - 1 MPa
Annual energy consumption for SASO 2885	416 kWh
Annual water consumption for SASO 2885	40920 L

For Saudi Arabia only

- The energy and water performance requirements in accordance with SASO 2885 can be realized by “Soak Program” which is equal to cotton 40 °C/60 °C program specified in the standard. (Refer to water level and temp setting in P.8 and P.9)

The 60 °C/ 40 °C Cotton program

- Wash cycle

Number of washing : 1 time

Cotton 60 °C full : Water quantity 38 L, Time 15 min per cycle

Cotton 60 °C/ 40 °C partial : Water quantity 33 L, Time 15 min per cycle

- Rinse cycle

Number of rinse : 3 times

Cotton 60 °C full : Water quantity 160 L, Time 152 min per cycle

Cotton 60 °C/ 40 °C partial : Water quantity 130 L, Time 149 min per cycle

- Spins cycle

Number of spins : 1 time

Cotton 60 °C full : Time 16 min per cycle

Cotton 60 °C/ 40 °C partial : Time 14 min per cycle

- Please make sure to connect the hot water supply hose, otherwise the desired performance won't be provided.



Panasonic Corporation

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