

Panasonic®

Operating & Installation Instructions

Fully Automatic Washing Machine
(Household Use)

Model No. **NA-FD12X3**



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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Manufacturer	Panasonic Appliances (Vietnam) Co., Ltd. Dong Anh, Hanoi, Vietnam
Importer	Panasonic Marketing Middle East & Africa FZE Jebel Ali Dubai United Arab Emirates



AWW9901CGTC0-0C0
A1024-0(SA)
Printed in Vietnam
10-2024

Safety Precautions

WARNING

May cause serious injury or death.

Children must not use it alone.

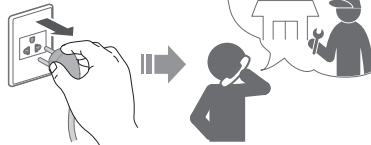


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Do not touch the tub until it stops.



- If the tub does not stop within 15 sec:

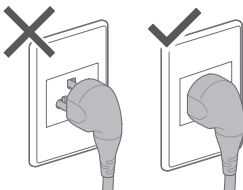


May cause fire or electric shock.

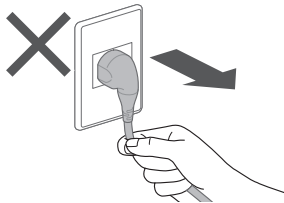
Do not touch it with wet hands.



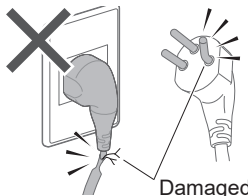
Fully insert it.



Do not hold or pull on the cord.

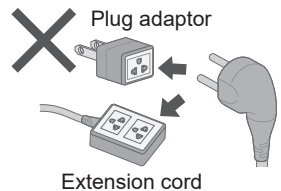


Do not use.



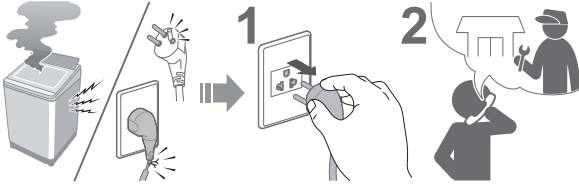
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Do not use.



Extension cord

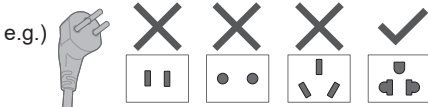
In case of failure or damaged power cord, stop use and ask the electrical technician.



Securely insert the ground prong. Ask the electrical technician for a new socket.

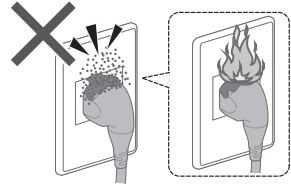


Use a socket appropriate for this appliance.



- The plug shape, socket shape and rating requirement vary with the region.

Accumulated dust may cause fire.



Wipe the power plug periodically.



Keep away from flammable materials.



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)

WARNING

May cause failure.

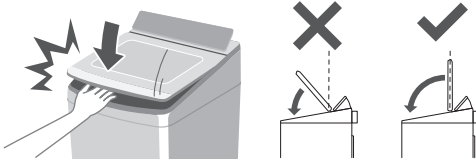
Do not disassemble, repair or modify it by yourself.



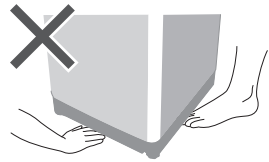
CAUTION

May cause injury.

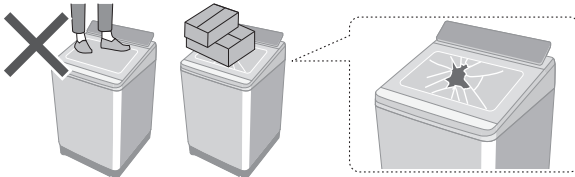
Be careful not to get your fingers caught.



Be careful of your hands and feet.



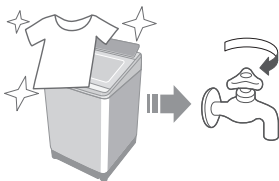
Do not climb or put objects on the appliance.



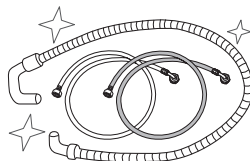
- If the lid is broken, immediately stop using.

May cause water leakage.

Turn off the water faucet.



Use new hose-sets.

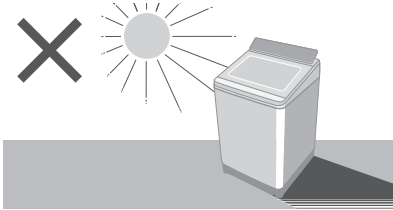


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

! CAUTION

May cause failure.

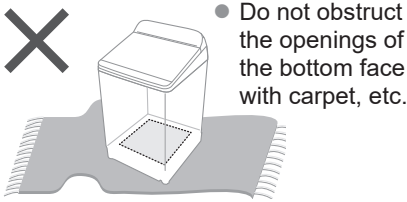
Keep away from heat and direct sunlight.



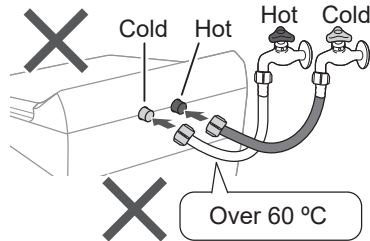
Do not wash waterproof items.



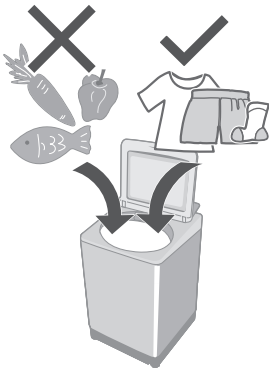
Do not obstruct.



Do not incorrectly attach HOT/ COLD water supply hoses.



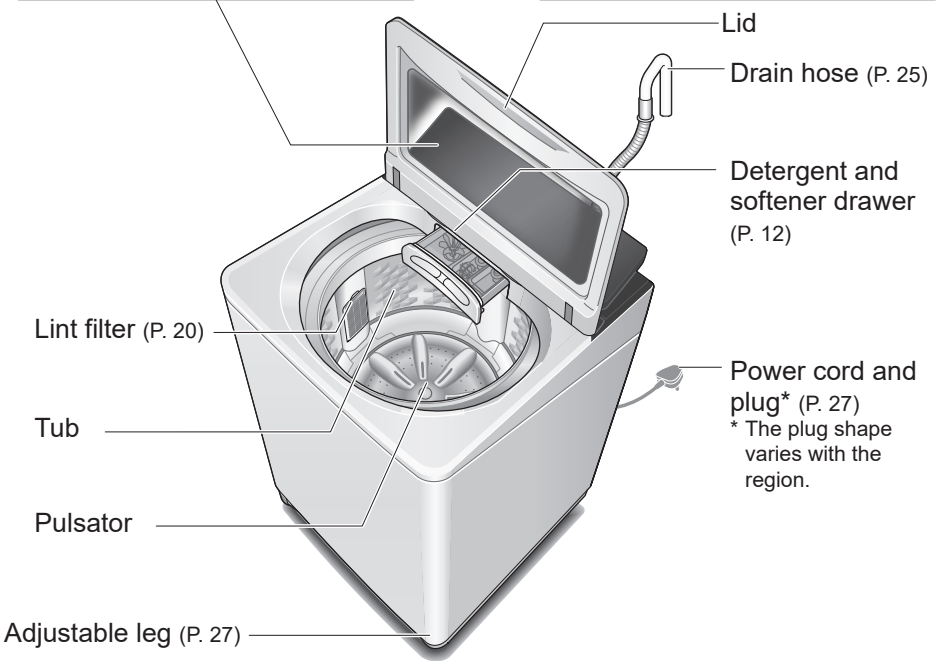
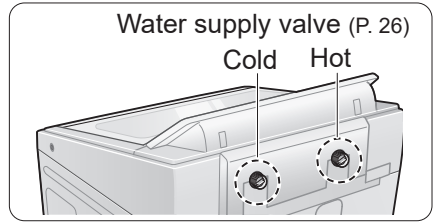
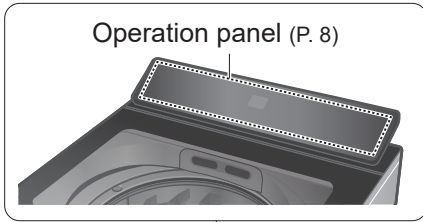
For Machine-washable items only.



- 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 launderettes.

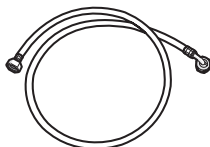
■ For maximum mass of dry cloth and pressure of tap water, see page 32.

Part Names / Accessories



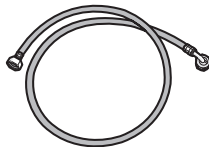
Accessories

Water supply hose for HOT (White) (1) (P. 26)



• Length: 1.5 m

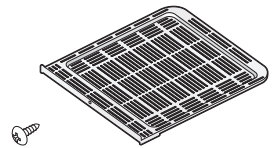
Water supply hose for COLD (Gray) (1) (P. 26)



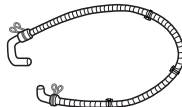
• Length: 1.5 m

Bottom cover (1) (P. 25)

Screw (1) (P. 25)



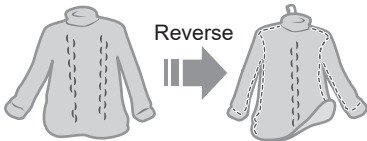
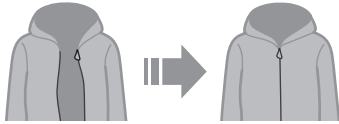
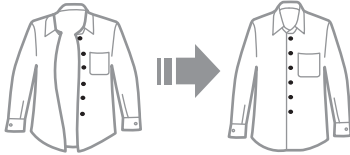
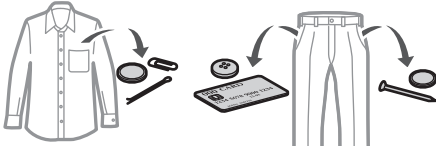
Drain hose (1)
 Hose band (2)
(P. 25)



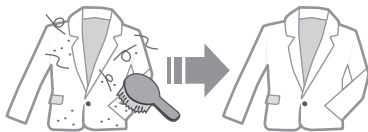
Before Washing

Laundry preparation and check

Pre-laundry check

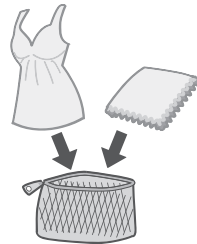


Clothes likely to pill



Paper diapers

Use laundry nets for delicates



For "Stain Master" (P. 16)

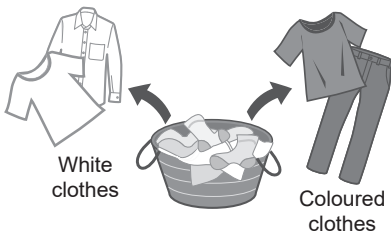
- Pretreatments for heavy stains



- Observe the clothes' care labels



Wash separately



Operation Panel

Change process settings (P. 14)



Flashing
(in progress)

Water amount



77 L

▼ Approx.
5 sec

Remaining time

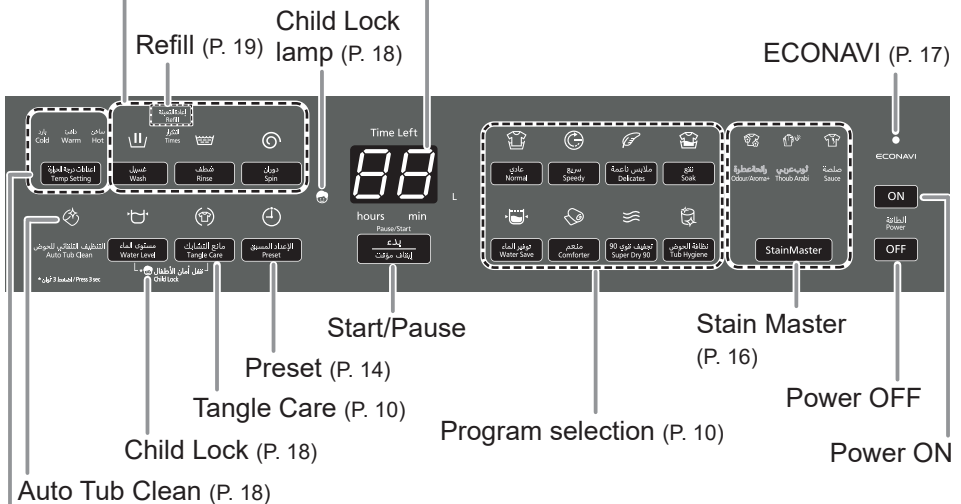


Time Left
60 min

Detergent volume

Water level (L)			Detergent *
77	70	65	
60	55	50	
45	40	35	
25			

* : 1 scoop/cap of detergent



Temp Setting

- The approximate water temperature in the tub
(When hot water supply is 60 °C and cold water supply is 20 °C)

Hot	40 °C
Warm	30 °C
Cold	20 °C

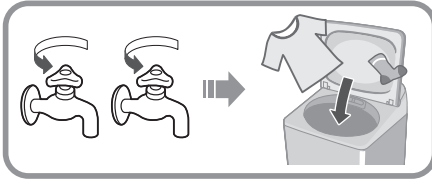
- Do not touch hot water during supply.
- Not available:
Super Dry 90, Delicates,
Tub Hygiene

NOTE

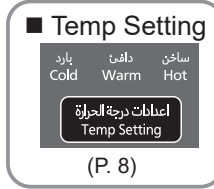
- If you do not press within 10 minutes after power-on. Auto power off.

Washing

1



2



3

Measures the amount of laundry.



10 sec



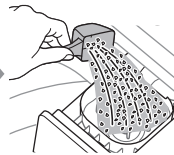
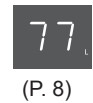
5 sec



20 sec

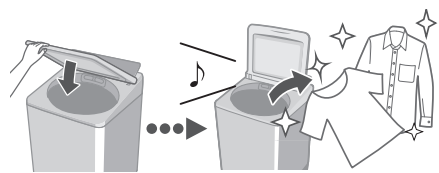


4



(P. 12)

5



■ After pressing “Start”











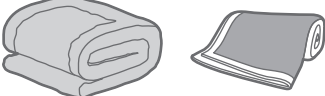
- To change each operation (while washing).
























- To check or change the water level (while washing).
- You cannot change the program.



Variety of Programs

	Program	Purpose	Max. capacity (kg)
Wash	 Normal (P. 9)	<ul style="list-style-type: none"> ● Everyday clothes 	12.0
	 Tangle Care (P. 9)	<ul style="list-style-type: none"> ● Anti-tangling • Washing more gently than “Normal” to reduce tangle. • Disentangling clothes after spin: 6 kg or less. 	
	 Speedy (P. 9)	<ul style="list-style-type: none"> ● For light soil 	12.0
	 Delicates (P. 15)	<ul style="list-style-type: none"> ● Washing gently 	4.2
	 Water Save (P. 9)	<ul style="list-style-type: none"> ● Saving water and energy 	12.0
	 Comforter (P. 15)	<ul style="list-style-type: none"> ● Comforters and blankets  <p>With a machine-washable tag</p>	4.2

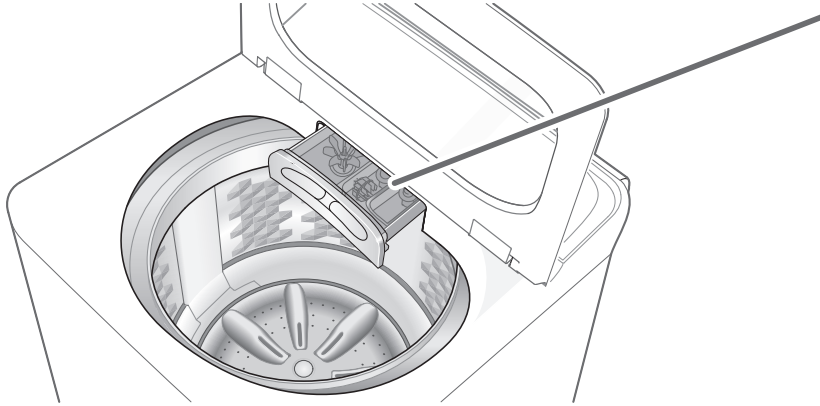
	Program	Purpose	Max. capacity (kg)
Wash	 Soak (P. 9)	<ul style="list-style-type: none"> ● For heavy soil Presoaking to wash 	12.0
	StainMaster (P. 16)	<ul style="list-style-type: none"> ● For the following stains 	6.0
	Light           Heavy	<ul style="list-style-type: none"> ● Odour/ Aroma+ Use more softener to keep the scent longer 	
	 Thoub Arabi		
 Sauce		5.0	
Dry	 Super Dry 90 (P. 17, 23)	<ul style="list-style-type: none"> ● Drying synthetic fibre clothes 	2.0
Maintenance		<ul style="list-style-type: none"> ● Tub drying 	—
	 Tub Hygiene (P. 23)	<ul style="list-style-type: none"> ● Tub cleaning Removing black mould and smell 	—

NOTE

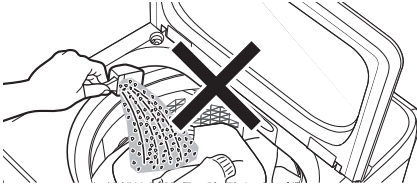
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.

Detergent / Softener / Bleach

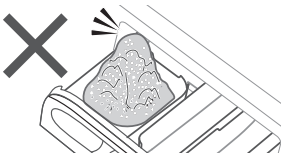
- Follow the instructions on each package.
- Close detergent and softener drawer completely before use.



Detergent



- **Do not pour detergent directly into the tub.**
- The level of foaming depends on the load size, soil, detergent, and water hardness.

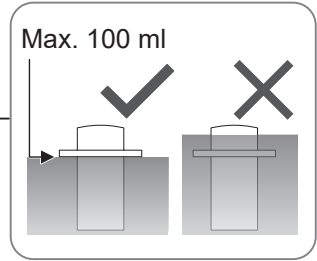
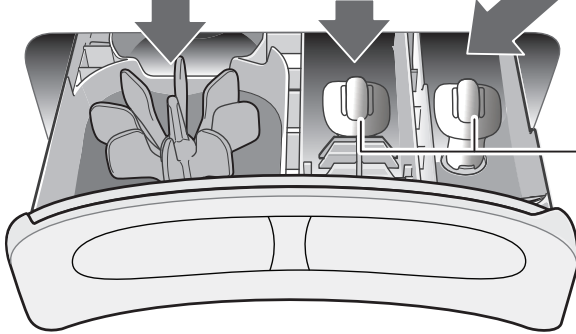
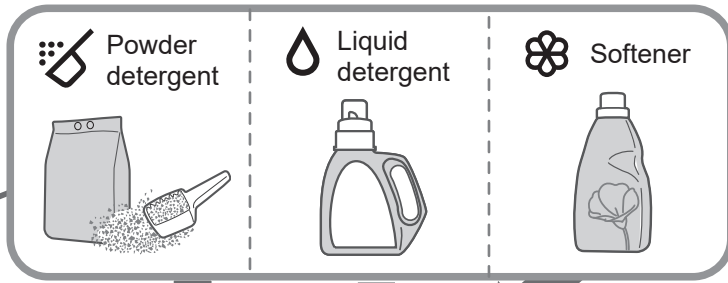


Bleach

Whiten bleach
(chlorine bleach)



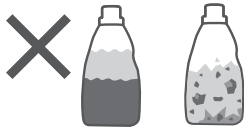
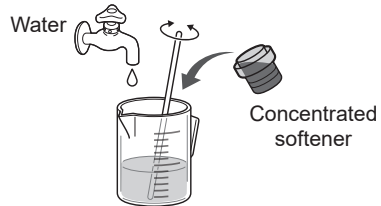
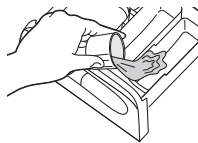
- To use bleach, put bleach in the powder detergent case (if bleach is in powder form) or liquid detergent case (if it is liquid bleach).



● For cleaning (P. 21)

Softener

- During operation



Separated or solidified softeners

- Softener cannot be used with the "Water Save" program.

Washing Options

Preset

Set how many hours later to finish operation.



All other indications turn off.



عادي Normal	2 - 24
سريع Speedy	1 - 24
ملابس ناعمة Delicates	-
توفير الماء Water Save	2 - 24
منعم Comforter	-
نقع Soak	4 - 24
StainMaster	(P. 16)
تجفيف قوي 90 Super Dry 90	-
نظافة الحوض Tub Hygiene	-

■ To confirm



■ To cancel or change



Wash / Rinse / Spin



■ Temp Setting (P. 8)



NOTE

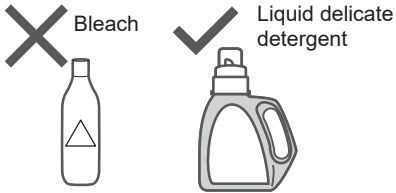
- Not available for "Tangle Care".



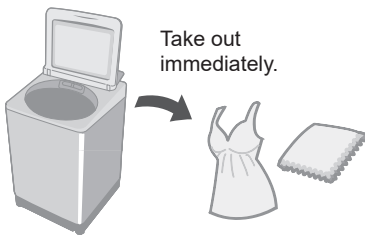
Delicates

65 L	4.2 kg
55 L	3.0 kg

NOTE



■ After operation ends

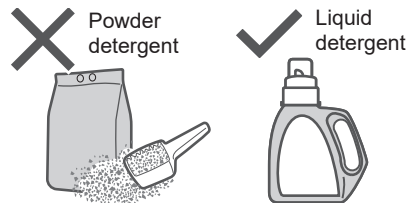


Comforter

Max. water amount	4.2 kg <ul style="list-style-type: none">• 100 % synthetic fibre• 100 % cotton
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NOTE

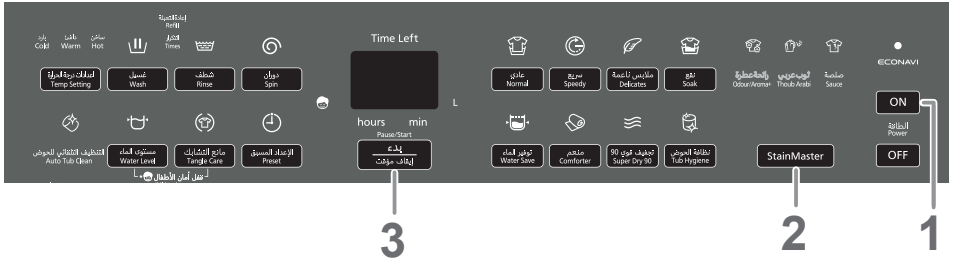


NOTE

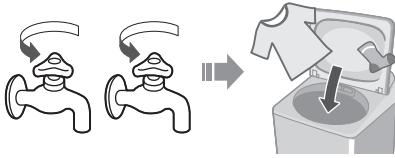
- The water amount indication shows the maximum and cannot be changed.

Washing Options (continued)

Stain Master



Preparation: (P. 7)



1



2



- Temp setting (P. 8)
 - Timer preset (hours)
- Sauce: 3 - 24
Others: 2 - 24

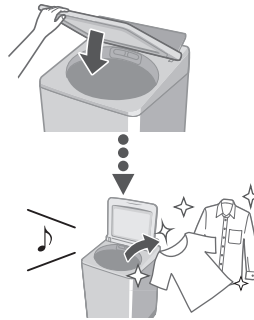
3



4

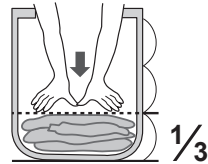


5



NOTE

- Max. capacity (P. 11)



- Max. water amount: 65 L
- You cannot change the wash process setting of this program.

Super Dry 90

The air blown from the tub rotation removes water from clothes.

- Dryable clothes: Synthetic fibre (Max. 2.0 kg)



NOTE

- Clothes may not be sufficiently dried (depends on amount and type of clothes, and the temperature).
- This function does not use a heater. Clothes may be cold and half dry.

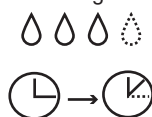
ECONAVI

- “Normal” program only

Weight / Temperature



Water and time saving*



Lamp indications



Detecting

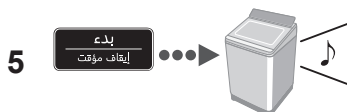
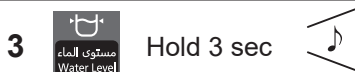


ECONAVI enabled



ECONAVI disabled

To turn on/off



* Test conditions:

- “Normal” program
- Comparison between ECONAVI-enabled operation (amount of laundry: 2.0 kg, water temperature: above 35 °C) and ECONAVI-disabled operation (amount of laundry: 12.0 kg (rated capacity), water temperature: below 15 °C)
- Test was conducted based on IEC60456 except for water temperature.

Convenient Functions

Setting Auto Tub Clean

Preventing black mould.

■ Lamp indications



التنظيف التلقائي للحموض
Auto Tub Clean
Operating



التنظيف التلقائي للحموض
Auto Tub Clean
Function enabled



التنظيف التلقائي للحموض
Auto Tub Clean
Function disabled

■ To turn on/off

1 ON

2 تجفيف ثوبي 90
Super Dry 90

3 Hold 3 sec

4 to select ↔ off on

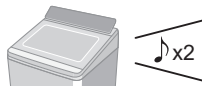
5

NOTE

- Not available: Water Save, Super Dry 90

Cancelling buzzer

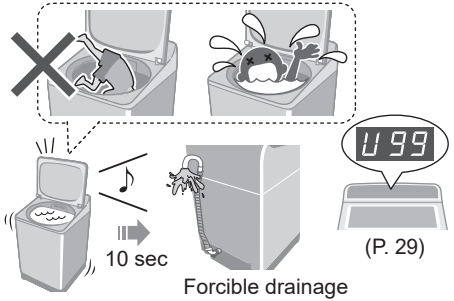
1 & ON Hold 3 sec



■ To reset:

same procedure

Setting Child Lock



* This function does not lock the lid and button operations.











1 ON

2



Hold 3 sec

■ To cancel: same procedure

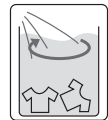
Contents of Programs

Program		Total time* ¹ (min)	Wash (min)	Rinse (times)	Spin (min)	Temp Setting
	Normal	65	9	2	7	Hot / Warm / Cold
	Speedy	55	3	2	5	
	Water Save	90	12	4	5	
	Comforter	70	12	2	5	
	Soak	215 * ²	12	3	7	
Stain Master	 Odour/ Aroma+	90	13	2	7	
	 Thoub Arabi	100 * ²	40	2	7	
	 Sauce	125 * ²	62 (Soak 29)	2	7	
	Delicates	55	9	2	1	Cold
	Tub Hygiene	155 * ²	65 (Soak 62)	2	30	

*1 Total time is approximate (When the standard water supply rate is 15 L / min and the water temperature is 28 °C).

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

● “Refill”: to fill the tub with water and rinse while supplying water.



For Saudi Arabia only

Procedure to achieve the energy and water performance requirements specified in SASO 2885.

Temp setting for “Soak” program	
Cotton 60 °C	Hot
Cotton 40 °C	Warm

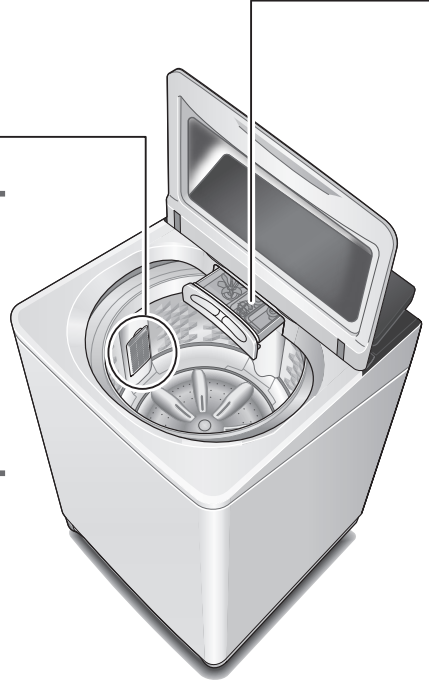
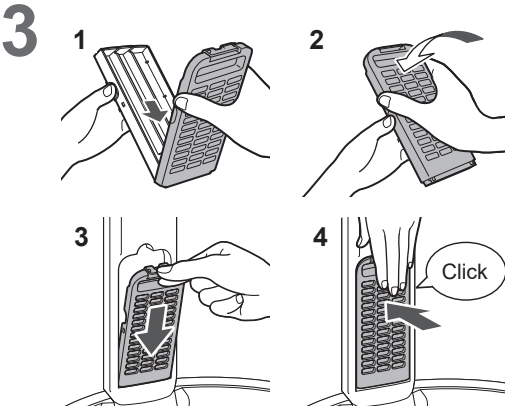
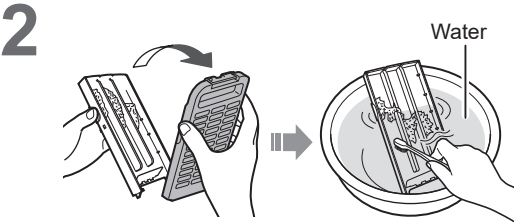
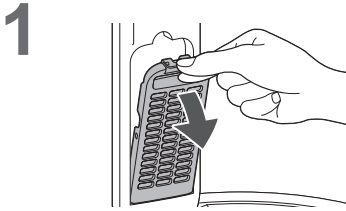
Water level for “Soak” program	
Full load	77 L
Partial load	70 L

	60 °C Soak program (full)	60 °C Soak program (partial) 40 °C Soak program (partial)
Wash (1 time)	40 L, 17 min	25 L, 17 min
Rinse (3 times)	130 L, 179 min	135 L, 177 min
Spin (1 time)	17 min	16 min

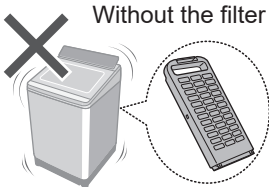
Maintenance

Lint filter

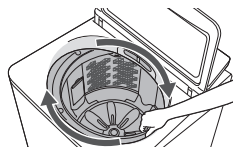
After each operation



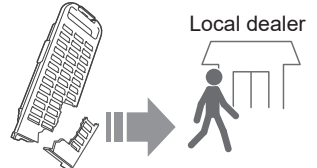
NOTE



If it is difficult to remove the filter



If the filter is broken



Detergent and softener drawer

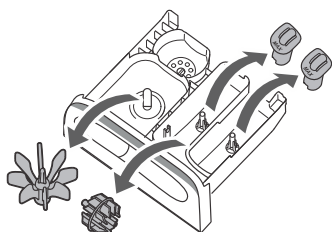
If stained with detergent or softener

1

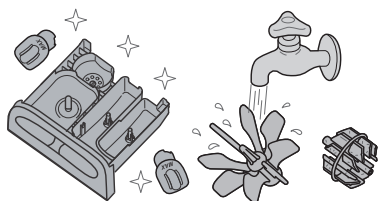


Remove

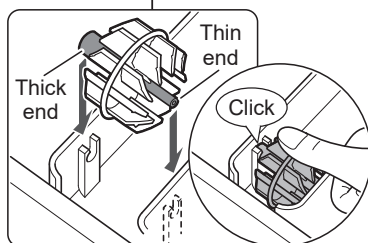
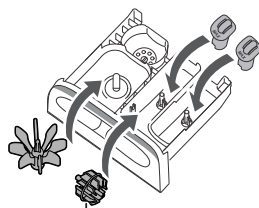
2



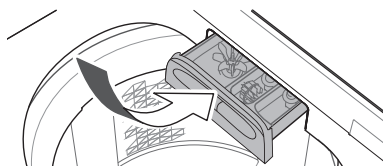
3



4



5



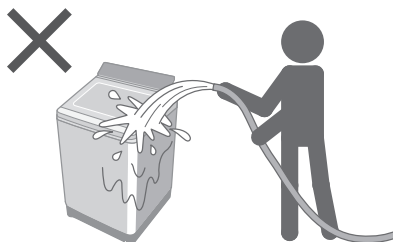
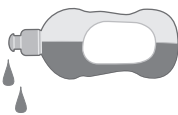
Attach

Main unit, lid



For heavy soil

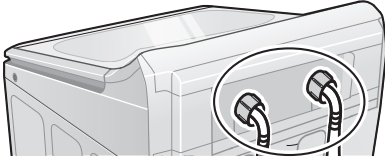
Neutral kitchen detergent



Maintenance (continued)

Water supply filter

If water does not flow smoothly



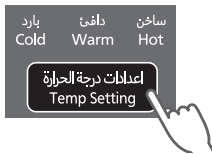
1



2



3



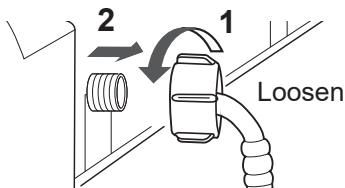
Select Hot or Warm.

4

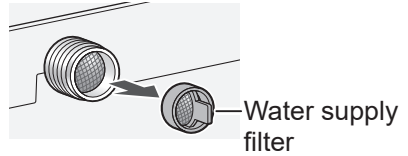


Approx. 40 sec

5



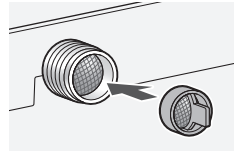
6



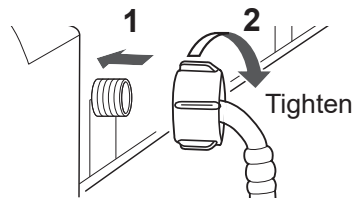
7



8



9



Tub

Once a week <Super Dry 90>

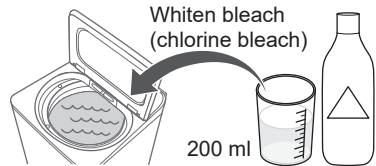


Once a month <Tub Hygiene>

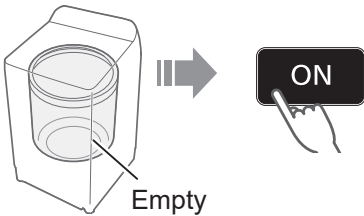
1



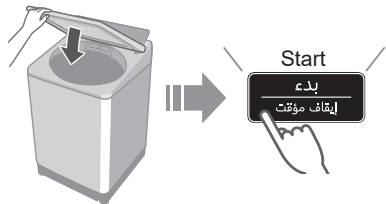
5



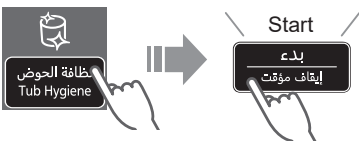
2



6

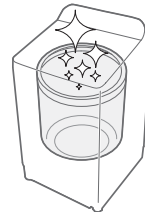
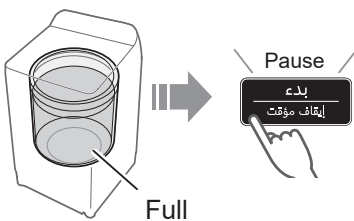


3



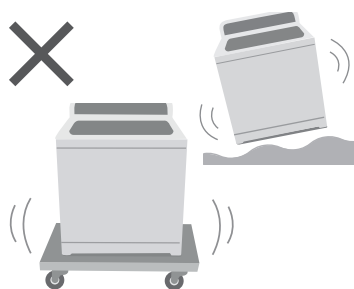
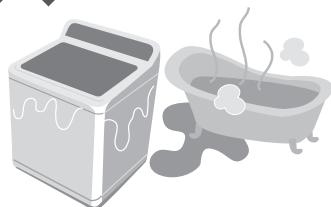
Approx. 2.5 hours

4



Installation

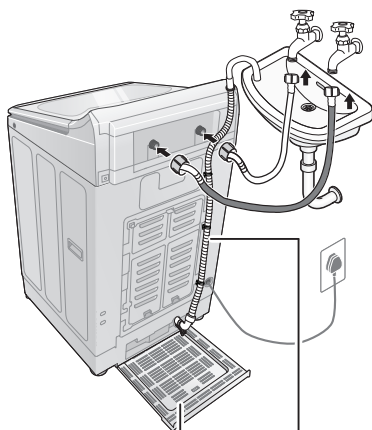
Check the location.



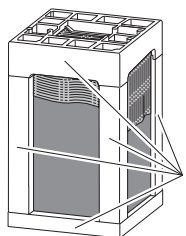
Make sure to ask a service person for installation.



- Do not install by yourself.
- Follow this installation method.
If you do not, Panasonic will not be liable for any accident or damage.
- Do not install on the bottom packing. May cause serious damage to the machine.



Bottom cover Drain hose

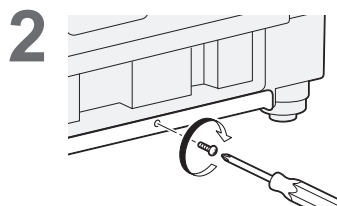
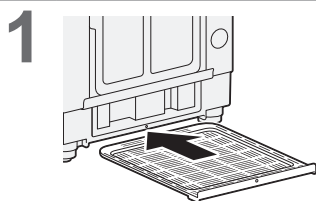


Remove all packing cushions before starting to use the washing machine.

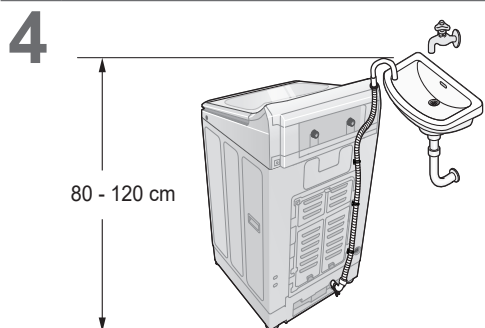
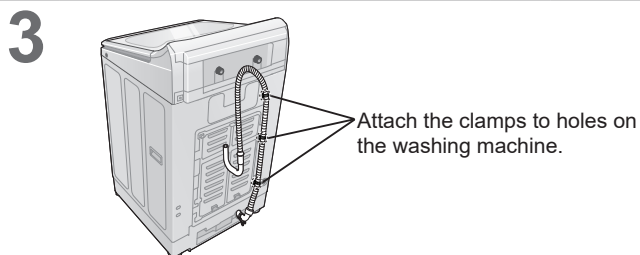
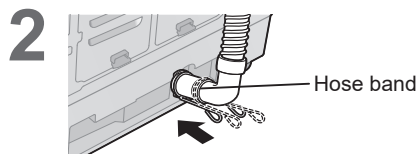
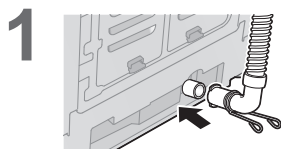
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.



Attach the bottom cover



Attach the drain hose

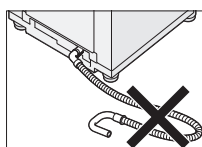


CAUTION

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

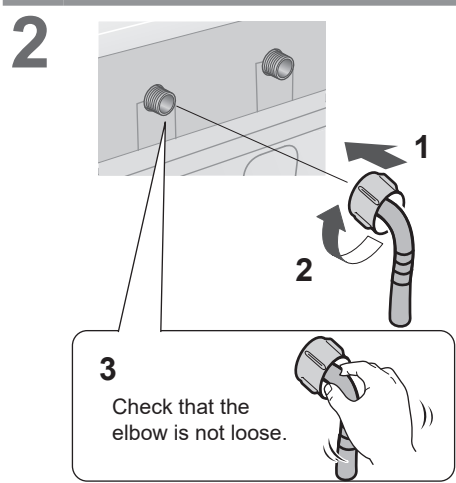
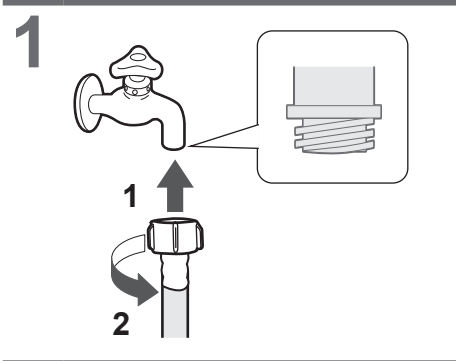
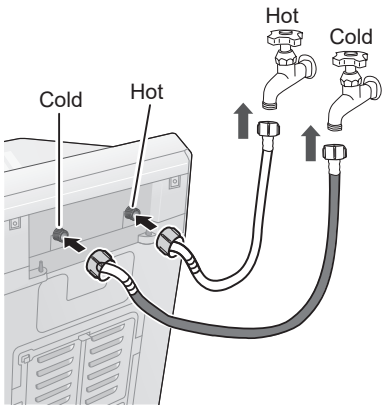
NOTE

- 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.



Installation (continued)

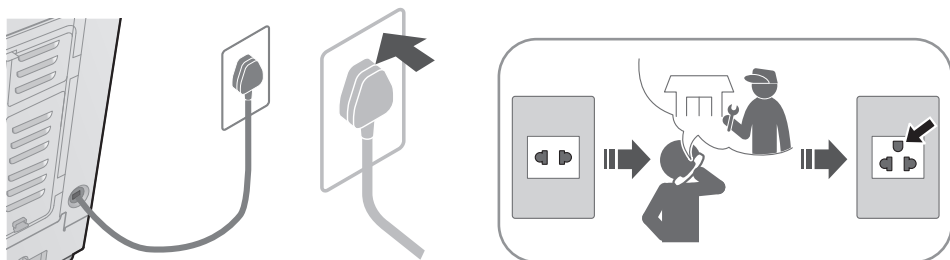
Connect the water supply hoses



! CAUTION

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

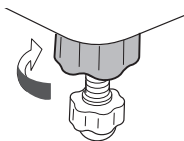
Connect the power plug and grounding



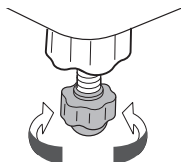
Check that the washing machine is level

■ If the washing machine wobbles

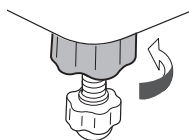
Loosen



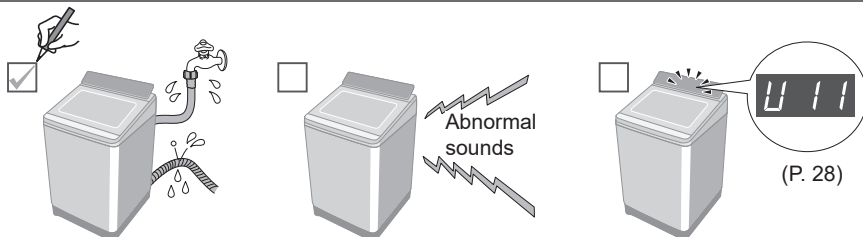
Adjust



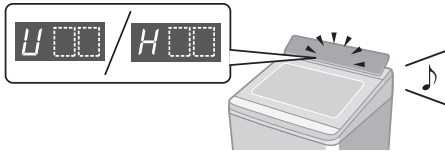
Tighten



Trial operation


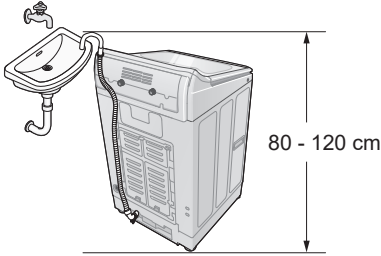
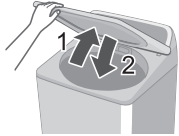

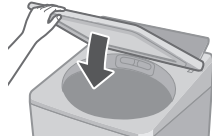




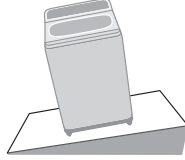
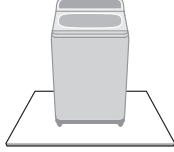




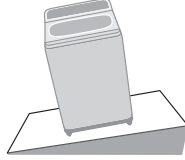
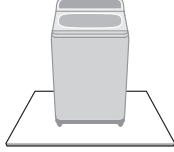




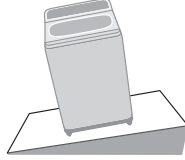
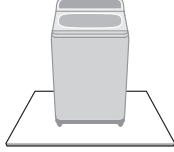



Error Display





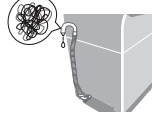


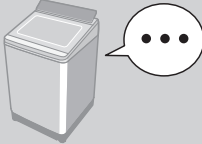


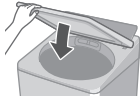























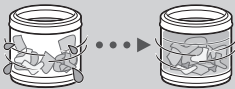

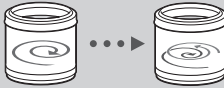

■ Preparation

Cancel Child Lock (P. 18)
if it is set.







Error Display	Points to be checked						
 <p>Water cannot drain.</p>	<p>1 Check</p>  <p>80 - 120 cm</p> <p>2</p>  <p>If the problem is not resolved, contact customer service for assistance.</p>						
 <p>The lid is open.</p>	<p>1</p> 						
 <p>Spin or “Super Dry 90” is not possible.</p>	<table border="0"> <tr> <td> <p>Uneven</p>  </td> <td> <p>1 Even</p>  </td> <td> <p>2</p>  </td> </tr> <tr> <td> <p>Unstable or incline</p>  </td> <td> <p>1 Stable</p>  </td> <td> <p>2</p>  </td> </tr> </table>	<p>Uneven</p> 	<p>1 Even</p> 	<p>2</p> 	<p>Unstable or incline</p> 	<p>1 Stable</p> 	<p>2</p> 
<p>Uneven</p> 	<p>1 Even</p> 	<p>2</p> 					
<p>Unstable or incline</p> 	<p>1 Stable</p> 	<p>2</p> 					

Troubleshooting

	Symptoms	Points to be checked
Time	Indication increases or does not decrease. 	Time indication is approximate. Remaining time is corrected during operation. 
	Longer than the indication. 	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 30%;"> When clothes are uneven.  </div> <div style="border: 1px solid black; padding: 5px; width: 30%;"> When the water drainage is not good.  </div> <div style="border: 1px solid black; padding: 5px; width: 30%;"> When the water supply is not good.  </div> </div> <p style="text-align: center;">⇒ The operation time may be longer.</p>
	Operation passes the preset time. 	
Main unit	No operation 	<input type="checkbox"/> Check <ul style="list-style-type: none"> ● Power failure  ● Timer preset  <input type="checkbox"/> Try <ul style="list-style-type: none"> ● Close the lid.  ● Turn on.  ● Insert the power plug completely.  ● Press "Start".  ● Turn breaker on. 
	Cannot change process settings (after start). 	<input type="checkbox"/> Try <ul style="list-style-type: none"> ● During wash process <ol style="list-style-type: none"> 1 Pause  2  3 Start  ● After wash process <ol style="list-style-type: none"> 1 OFF  2 ON 

	Symptoms	Points to be checked
Wash	Water is supplied while washing. 	When water level drops.  When amount of laundry is large.  ⇒ Water is added automatically.
	The water level too high 	When laundry is wet.  When there is water in the tub before operation.  ⇒ The water level may be higher.
	too low 	When clothes are light (synthetic fibre, etc.).  ⇒ The water level may be lower.
Rinse	Operation started with rinse, but water is not supplied. 	When there is no water in the tub.  ⇒ Water is supplied after spin. When there is water in the tub.  ⇒ Water is supplied after water discharge and spin.
	Spin changes to rinse. Rinse starts instead of spin. 	If clothes are uneven, this appliances automatically corrects unevenness by rinse process. 
Spin	Irregular rotation 	The tub rotation speed is adjusted to reduce vibration. 

Troubleshooting (continued)

	Symptoms	Points to be checked
Others	Power failure/Breaker off. 	Operation will resume from where it stopped when the power is recovered. 
	StainMaster has no effect. 	<input type="checkbox"/> Check <input type="checkbox"/> Try <ul style="list-style-type: none"> ● Max. capacity (P. 11)  ● Pretreatments (P. 7)  ● Select according to the stain type. (P. 11) 
	There is noise when water drains out.	This is normal. It is the noise of the drain pump working.

Specifications

Model No.	NA-FD12X3
Rated voltage	220 - 240 V
Rated frequency	60 Hz
Rated power consumption	480 W
Standard water amount	77 L
Maximum mass of dry cloth	12.0 kg
Product dimensions	639 mm (W) x 725 mm (D) x 1085 mm (H)
Product weight	41 kg
Pressure of tap water	0.01 - 1 MPa
Annual energy consumption	328.85 kWh
Annual water consumption	37620 L

Panasonic Corporation

<https://www.panasonic.com>

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