

Panasonic®

Operating & Installation Instructions Washer Dryer

Model No.

NA-S178X1

(Household Use)



ECONAVI



It is essential to read these instructions.

Correct use will help save more energy and water!

- Thank you for purchasing this appliance.
- For optimum performance and safety, please read these instructions carefully.
- Before connecting, operating or adjusting this appliance, please read the instructions completely. Please keep this manual for future reference.



W9901-S7E10

Contents

Safety precautions.....	2
Part Names / Accessories	4
Operation Buttons / Touch Key	5
Laundry Procedure.....	6
Selecting the Programs	8
Laundry check and Preparations.....	10
How to put in Detergent & Softener.....	12

Read Before
Using

Wash / Wash+Dry.....	14
Door lock	16
Normal / Normal • StainMaster+.....	17
Wash gentle hand wash clothes.....	18
Wash large sheets or bedding	19
Drying	20

Wash Instruction

Maintenance	22
• Drain / Dry filter	22
• Drum Clean / Drum Dry.....	24

Maintenance

Other Notes	25
For Better Results.....	26
FAQ.....	28
Error Messages	30
Troubleshooting	31
Program Details.....	36
Changing the Settings	38
Installation	39
Specifications	47

References

Safety Precautions

Obesrve fully.

To prevent the risk of danger to humans or property damage, make sure to follow the precautions described below.

■ The descriptions are classified according to the degree of harm or damage caused by misuse.

 **WARNING** May cause serious injury or death.

 **CAUTION** May cause minor or moderate injury or property damage.

To prevent fire, electric shock or injury

 **WARNING**

Drum/Main Unit

Do not allow children to get inside the drum.

(Children may get locked inside the drum, which will cause suffocation, burns, electric shock, injury, or drowning.)

- To prevent children from easily climbing on the appliance, do not put a table, etc. near the appliance.
- 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 hang on the door.

(The appliance may fall over, resulting in injury.)

Never disassemble, repair or remodel.

(Fire or abnormal operation may occur, resulting in injury.)

When taking out the laundry...

Do not touch the laundry inside the drum until it completely stops.

(Your fingers may be entangled in the laundry even during slow rotation, resulting in injury.)

Do not put flame or inflammable materials in or close to the drum/main unit.

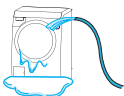
(Fire may occur.)

- Pyrethrum coil, cigarette, candle, etc.

Do not splash water over the appliance.

Do not install at a damp place or place which may be exposed to rain, water, etc.

(Electric shock or fire from a short circuit may occur.)



● Maintenance



● Balcony
(Exposed to wind and rain)



● Bathroom
(Lots of moisture)

During Use

Never dry the following items. (even after washing).

(Spontaneous ignition or inflammation may occur due to heat of combustion of oil.)

- Items that have been soiled with substances such as cooking oil, acetone, alcohol, petrol, kerosene, spot removers, turpentine, waxes, wax removers and cosmetic oils must not be dried in the appliance even after having been washed.



Matters to be observed

- The lint filters have to be cleaned frequently.
- The lint must not be allowed to accumulate around the appliance.
- Make sure that no objects are left in any of the pockets. Pay particular attention to cigarette lighter and matches. They may cause fire.
- Fabric softeners, or similar products, should be used as specified by the fabric softener instructions.

Prohibited matters

- The appliance is not to be used if industrial chemicals have been used for cleaning.
- Do not dry unwashed items in the appliance.
- Do not dry items made of polypropylene fibre.
- The final part of a tumble dryer cycle occurs without heat (cool down cycle) to ensure that the items are left at a temperature that ensures that the items will not be damaged.
- Exhaust air must not be discharged into a flue which is used for exhausting fumes from appliances burning gas or other fuels.
- The appliance must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the tumble dryer, in such a way that a full opening of the tumble dryer door is restricted.

Ground the appliance.

(Electric shock may occur in electric leakage.)

- Be sure to have your dealer perform grounding work. (The grounding cost is not included in the product price.)

Installation



- Do not block the opening on the bottom with an object, such as a carpet.
- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

WARNING

Power Plug and Cord

Prohibited matters

(Fire or electric shock may occur.)

- Do not damage, modify, immoderately bend, twist, pull, or bundle them.
- Do not put them close to heating appliances. Do not put anything heavy on them.
- Do not connect/disconnect them with wet hand.
- Do not hold the cord when pulling out of the socket.

Matters to be observed

(Fire or electric shock may occur.)

- Use the socket solely. (Using in combination with other appliances could cause fire.)
- Insert the plug all the way seated.
- Wipe the plug periodically with dry cloth. (Accumulated dust collects moisture, which may cause insulation failure, resulting in fire.)
- Be sure to pull out the cord before cleaning or when it is not used for a long period of time.
- **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.**



In case of emergency or malfunction, stop using the appliance immediately and pull out the power plug.

(Fume, fire or electric shock may occur.)

Emergency and malfunction examples:

- The appliance does not operate at times when the power is turned on.
- Dust or moisture has accumulated on the plug.
- An abnormal sound is heard during operation.
- Burnt odour smell comes from the appliance. (Consult your dealer for inspection and repair immediately.)

CAUTION

To prevent water leak, etc.

Check before operation. (Water leak may occur.)

- Turn on the water faucet and check the connection.

Be sure to turn off the water faucet after operation has finished.

- Do not allow the laundry to be caught when closing the door. (This may cause water leak, malfunction of the appliance or breakage of clothing.)

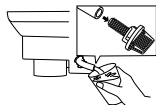
* Do not close the door with the laundry on the window seal.

■ Drain Filter (P.23) (A large amount of water (hot water) may spill out.)

- Do not remove during operation.
- Be sure to perform the "Spin" operation before removal.

Observe the following when drying.

- Never stop the appliance before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.



Pull out from the pump hose, remove the cap and take the plug out to drain the water. The water inside must be drained in the following cases:

1. When the machine has been idle for a long time.
2. To lift or move the machine
※ There is no need to do that in normal circumstances.
3. To prevent from water leak, please do not open the drain filter during operation.

Do not "Wash", "Rinse" or "Spin" waterproof sheets and clothes.

(Intense vibration during spin or falling of the appliance may result in injury, damage to the main unit, wall, floor, etc., damage to the laundry, water leakage, etc.)

- Raincoat, sauna suit, wet suit, diaper cover, sleeping bag, ski wear, car cover, waterproof sheet, etc.

Prohibited matters

- Items such as foam rubber (latex foam), shower caps, waterproof textiles, airtight fabrics, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the appliance. Such materials may be destroyed and thereby damage the appliance.
- Do not insert your hand or foot under the main unit. (Your limb may be cut.)
- Do not climb up or put fragile things on the appliance. (Deformation or damage may be caused, resulting in injury.)
- Do not connect to a water heater (50 °C or more). (Plastic parts of water supply pathway may be deformed or damaged, resulting in electric shock or electric leakage.)

The appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by a utility.

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.
- Maximum mass of dry cloth in kilograms, specified. Please see page 47.
 - Pressure of water faucet, Please see page 47.

Restart function

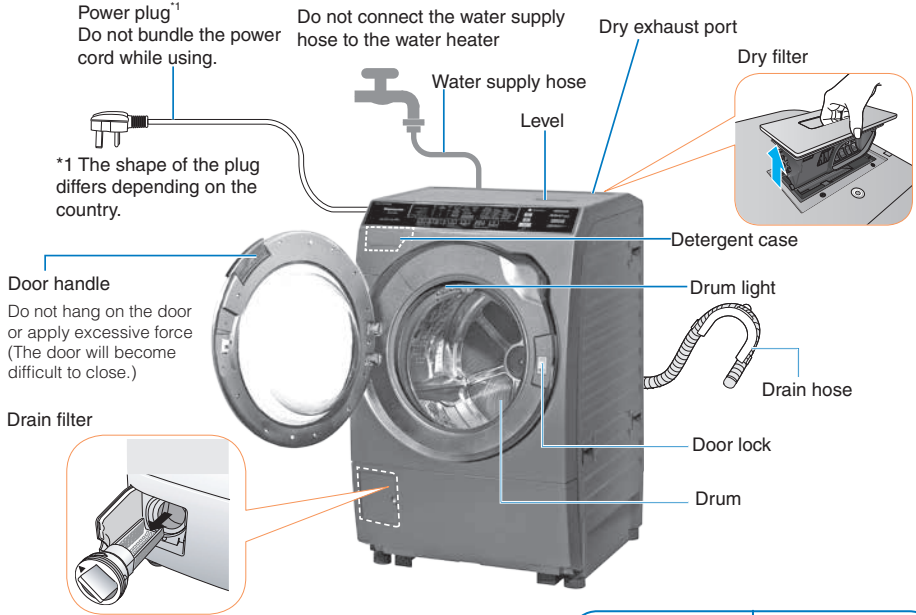
In case of power failure during washing operation:

When power is on again, press power ON key, the "Running" light flashes for 3 seconds before the original operation resume from where it is interrupted.

Operating Instruction can be download in the following website:

<https://www.panasonic.com/middleeast/en/>

Part Names / Accessories

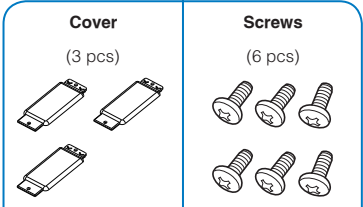


Instruction

After the completion of the operation (in about 120 minutes), opening the door will turn on the light; closing the door and the power will be automatically shut off.

If the door is kept open, the light will go off after 20 minutes, and the power will be automatically shut off.

※ When the power is on and the door is open, the drum light will light up



Accessories	1 Water supply hose for COLD (Blue line) 	Spanner (1 pc.) <small>*For disassembly or packing to fix bolts.</small>	Bottom cover (1 pc.) 	Adjustable stand pad (3 pcs.)
	Cover (3 pcs) 	Screws (6 pcs) 		

To prevent malfunction, damage, or abnormal operation

- When the body (especially the door and operation panel) touches the laundry detergent or softener, immediately wipe it with dry towels (to prevent printed texts peeling off, resin damaged, metal corrosion damage, or abnormal operation). In particular, if concentrated liquid detergent touches the resin part it may cracked. Please be extra careful.
- To prevent moisture condensation during Dry, the ventilation should be sufficient.
- Do not place object on top of the Wash machine during operation (to prevent the vibration causes the object to fall).
- Even when the Wash machine is off, avoid having the basket touching the water supply hose (to prevent the hose from deforming).
- When using the collar wash, do not spray it onto the plastic parts to prevent damage.
- Do not spray insecticides, hair products, or deodorant spray, etc. onto the Wash machine (to prevent malfunction or breakage).
- Do not put home electric appliances such as TV, radio, etc. close to the main unit. (Images may be interrupted, or noise may occur.)
- After closing the door and starting the Wash machine, the door will automatically be locked. *(when the door lock is locked or unlocked there will be a loud [cracking] sound. It is not a malfunction.)
- Even when Dry, please turn on the water faucet!! (the Wash machine uses the water for cooling and dehumidifying, so if the water faucet is turned off the Dry cannot be proceeded.)
- When Dry, do not place object on top of the air vent at the top back side of the body (to prevent the Dry time to become longer.)

Operation Buttons / Touch Key

E	دقيقة min	ساعات Times ساعات الدقة Refill	دقيقة min	تجفيف / غسل + تجفيف Wash+Dry / غسل / تجفيف Wash / Dry	وقت Time (min) الوقت المتبقي Preset (5 sec) تصفية الفلتر Filter Clean	B	معدل الجفاف Dryness 40°C لغسول Eco Soak 60°C لغسول Hygiene 40°C لغسول Wash 30°C لغسول Water Warmup	عادي Normal نوم / تنظيف Super Soak معتاد My Favorite كثيف Intensive غسيل مائي Skint Wash	سريع Quick المراتب Bedding غسيل يدوي / غسل Gentle Hand Wash تنظيف الفلتر Drum Clean تنظيف الحوض Drum Dry	A ECONAVI
	30	4	15				40°C لغسول Eco Soak 60°C لغسول Hygiene 40°C لغسول Wash 30°C لغسول Water Warmup	عادي Normal نوم / تنظيف Super Soak معتاد My Favorite كثيف Intensive غسيل مائي Skint Wash	سريع Quick المراتب Bedding غسيل يدوي / غسل Gentle Hand Wash تنظيف الفلتر Drum Clean تنظيف الحوض Drum Dry	1 تشغيل On
	25	3	10							2 إيقاف وقف Start Pause إضافة المحتسب Add Items
	20	3	6							
	15	2	3							
	7	1	1							
8	Water Level مستوى المياه Door Lock (press 5 sec)	Wash غسل	Rinse شطف	Spin دوران	6 Wash Mode تجفيف / غسل / تجفيف (5 ثوان) Wash / Dry Exchange (Press 5 seconds)	5 Preset البرمجة المسبقة	4 StainMaster+ مقاومة البقع Water Warmup	3 Wash Program برنامج الغسيل عادي / لغسول (5 ثوان) عادي / لغسول (5 ثوان) Child Lock (Press 5 sec)		

1 Power On

● If you do not press the Start/Pause button within 10 minutes after the appliance has been switched on, the appliance automatically turns off.

● When the power is turned on, the program will be set at [Normal].

Power OFF

● When the power is turned off, there will be a beep sound.

2 Start/Pause

To start or pause the operation, and press to open the door during operation.

● After starting, no switching between [Wash], [Wash+Dry], and [Dry] can be performed.

3 Program

Select preferred program according to the laundry type and dirtiness.

● The method to select program → (P.8)

● Different programs can be selected for [Wash], [Wash+Dry] and [Dry].

4 Stain Master +

Child lock/Unlock (press 5 sec)

May select program using heated water for Wash, when the water temperature is low.

● To prevent children from opening the door and dropping into the drum, press for 5 sec. to proceed with [Child lock] setting.

A ECONAVI ECONAVI

Light on: ECONAVI is running.
Flashing: ECONAVI is detecting.

B Child Lock

Light on: The child lock is on.

C Door Lock: Light on: Door lock is activated during the program.

● After the program starts, the door will automatically be locked.

Fluffy: Light on: Fluffy is set after the program is completed.

Cleaning: Flashing: Please proceed to clean and maintain the Dry filter/ Drain filter. (P.22/23)

D Displaying the [Time (min)] / [Reserve]

While switching the power from [off] to [on], when is displayed, the power cannot be turned on.

5 Reserve time

May set after how many hours the Wash and Dry should complete within 24 hours in unit of 1 hour.

● The pre-settable time varies depending on program.(P.37)

● When presetting for [Wash+Dry], the time will be adjusted automatically basing on the type of laundry and the Dry condition, so the Dry may complete before the Reserve.

6 Dry Mode

(Press for 5 sec. to change [Wash] and [Dry Mode])

May select [Normal], [Gentle Dry], [Extra Dry], [Timed Dry] Dry modes basing on the laundry type.(P.9)

● May select only [Dry Mode] by pressing 5 sec. (P.20)

7 Manual Setting

May select the duration and circle number of [Wash], [Rinse], and [Spin].

● Press Start/Pause during operation and you may change the program. (You may not change the program when it rinse started.)

● To set the combination of [Wash], [Rinse], [Spin] individually for specific purpose.

8 Water Level

(press for 5 sec. to relieve during Dry.)

If you want to select the water level manually over the auto water level for the laundry, press pause then press this button.

● Please select [Water Level].

● Depending on different program, some water levels cannot be selected. (P. 37)

● When cooling after Dry is completed, you may press this button for 5 sec. to cancel the Dry and relieve the door lock to remove the clothes in advance.

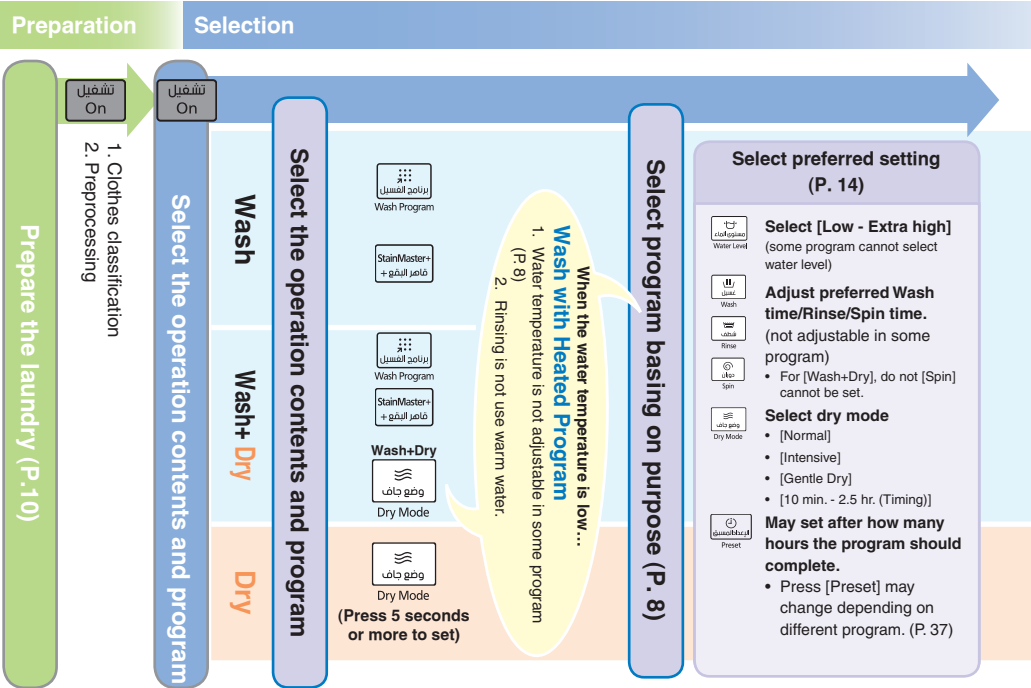
E Wash+Dry setting

Light on: The selected program is [Wash+Dry].

- * After starting, the touch buttons will no longer function. To activate the buttons, please press the [start / pause] button first.
- * If water, detergent or softener is attached to the touch panel, turn the power off, and wipe it off with a wrung-out towel, etc. immediately. (Operation error may occur.)
- * Do not touch the panel with the sharp point such as a nail, pin, ballpoint pen, etc.
- * Do not operate the touch panel with wet hands or with rubber gloves.

Read Before Using

Laundry Procedure



The darkening and dying of clothes

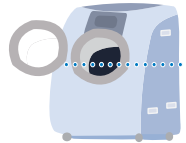
Drum type Wash machine uses less water, so the concentration of the dye or dirt will be higher, and there may be circumstances clothing becoming significantly blackened or dyed



- For clothes that are easy to fade or heavily soiled, please wash separately.
- When using [Wash], [Hygiene] or [Super Soak] programs, the clothes may be dyed more easily. Please check the care label of the clothes. (P. 11)
- Add the right amount of detergent(P. 13)
- Do not add too much softener. Especially when combined with liquid detergent, there may be significant blackening situation. In such case, please use powder detergent.
- When clothes are blackened or dyed→(P. 26)

For Better

- When the clothes are prone to wrinkles...
 - Select Dry mode basing on type of clothes (P. 9)
 - Reduce the amount of clothes for each Dry
 - Use [Gentle Dry] program



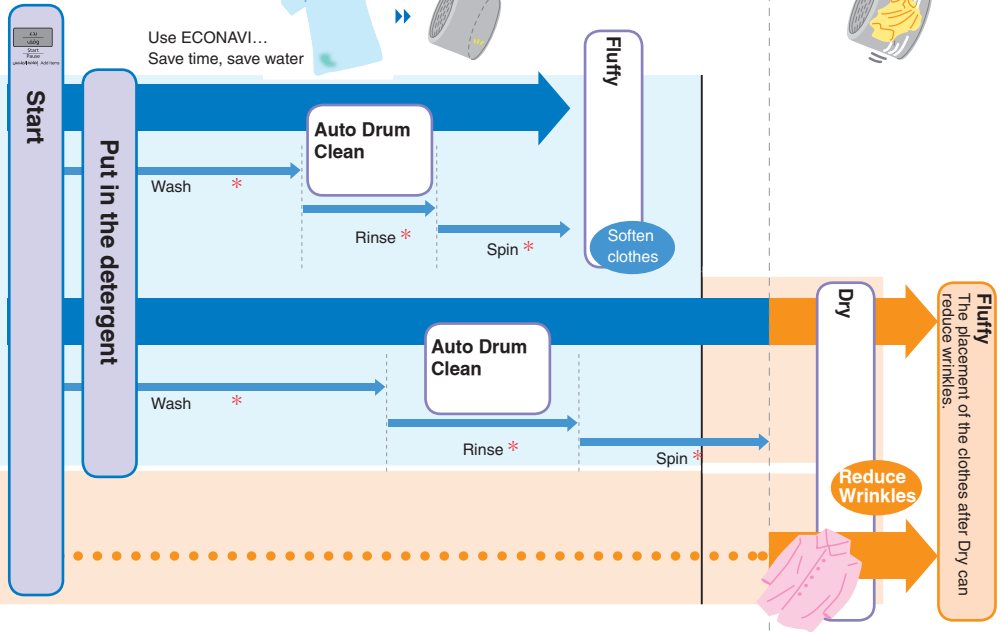
Capacity guideline:
Approx.
8 kg (in dried condition)

- Open the door midway, take the half-dry clothes out and hang to dry.
- Dry after removing the wrinkle from draining.
- Clothes that are easy to dry such as chemical fiber should be taken out as soon as possible.



Wash

Dry



Read Before Using

Dry result

- Some clothes shrink due to dry.
 - Depending on the materials, some clothes will shrink even only stained with water, washed, or dried. (The tension applied on the fabric during processing will be lost when washed so the fabric will restitute.)
 - Some clothes will shrink more seriously due to dry plus the mechanical force.

When cotton, linen and other woven goods, underwears, T-shirts, POLO shirt, or sportswears shrink →(P. 26)



- Please prepare for ventilation
 - ※ If ventilation is not sufficient, there will be little or condensation or increase in Dry time depending on the temperature difference.

★ Maintenance of the Dry filter

When dry

- Please remove the cotton residue adhering on the (inside of the) Dry filter (P. 22).
If there is soil on the Dry filter, it may lengthen the dry time or prevent the clothes from dry completely.(P. 29)




When Wash


- After [Wash], [Hygiene] or [Super Soak] programs are completed, please wipe away the water droplets on the (inside of the) Dry filter. (P. 22)
(Adhered water droplets can cause mold.)

Selecting the Programs

★ FUZZY can detect the laundry amount to decide the water amount. To select the water amount, please select manually ▲ : Based on the maximum capacity of each model
 Underline: with Auto Drum Clean.

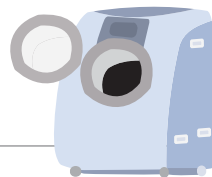
© After the wash is completed, the Fluffy will start.

Select basing on the type of clothes and dirtiness		Select operation (Wash /Wash+Dry /Dry)	Program selection
Wash, Dry	Daily clothes	Daily Wash 	Wash Wash+Dry ★ Normal ©
		Quick Wash	Wash ★ Quick
		Want to design my own program	Wash Wash+Dry ★ My Favorite ©
		Want to reduce the volume during operation	Wash Wash+Dry ★ Silent wash
		Use a bit more time to wash and dry thoroughly	Wash Wash+Dry ★ Eco Soak ©
			Wash Wash+Dry ★ Intensive © *1
		Remove stubborn stains	Wash Wash+Dry Super Soak © *2
	Deodorizing Wash	Wash Wash+Dry Wash © *3	
	White clothes that you want to keep clean (Underwear, etc.)	Remove clothing bacteria dust mites	Wash Wash+Dry Hygiene © *4
		Delicate clothing	Wash Gentle Hand Wash *5
Blankets, sheets		Wash Wash+Dry Bedding	
Maintenance	Maintenance of the drum	Remove and prevent black mold keep the drum dry Drum Clean Drum Dry	

- * 1. [Intensive] program
 Wash with double amount of detergent. (detergent amount→ P.13)
 After draining the detergent with the soil dissolved after wash, fill in water again and thoroughly clean with a little more time so as to remove dirt and sebum dirt.
- * 2. [Super Soak] program
 Use warm water of approximately 40 °C and double amount of detergent to soak for 6 hours before rinsing to remove the soil on the clothes.
- * 3. [Wash] program
 Use warm water of approximately 40 °C to remove the sebum and dirt on the underwears that the rinsing did not remove.
- * 4. [Hygiene] program
 Use warm water of approximately 60 °C to remove the bacterial on the clothes (white clothes only).
- * 5. [Gentle Hand Wash] with  caring label such as wool sweaters, hemp shirts, suit pants
- * 6. For [Wash+Dry] program, soft cooling can only be used after dry is completed
- * 7. NA-S178X1-17kg

maximum capacity	Wash (Wash+Dry, Dry)	30°C Program	maximum capacity 30°C Program	Dry
▲ 17 kg (8 kg)	Yes	Yes	▲ 17 kg	Yes
8 kg	Yes	Yes	8 kg	Yes
▲ 17 kg (8 kg)	Yes	Yes	▲ 17 kg	Yes
▲ 17 kg (8 kg)	Yes	Yes	▲ 17 kg	Normal / intensive
8 kg (8 kg)	Yes	Yes	8 kg	Yes
▲ 17 kg (8 kg)	Yes	Yes	▲ 17 kg	Normal / intensive
2 kg (2 kg)				Normal / intensive
17 kg (4 kg)				Normal / intensive
17 kg (2 kg)				Normal / intensive
1.5 kg				
5 kg (4 kg)	Yes	Yes	5 kg	Normal
Empty Drum				

Select the Dry mode basing on the type of clothes



Normal

Daily clothes that you do not mind about wrinkles



towels



underwears

Gentle Dry

■ If the capacity is below 3 kg...

Set [Gentle Dry] will reduce the wrinkles.

Extra Dry

Thick clothes that are difficult to dry



sportwears



thick towel, etc.

Timed Dry

Clothes that are easy to have wrinkles

30

Remove the clothes immediately after dry and hang to dry. (Otherwise wrinkles will occur)



- Shirts
- Bedsheet
- Trousers
- Thin plain weave and crepe, etc.
- Jeans
- Nightdress

Semi-dry clothes that you want to dry during final modification.

10 ~ 2:30



Note!

1. For expensive clothes or clothes that cannot be water-washed, please do not use the wash machine to wash or dry so as to prevent deformation or damages.
2. Some clothes are not suitable for wash in warm water. Such as colorful clothes or ones that are easy to fade or have wrinkles.

Laundry Check and Preparations

Cannot Wash or Dry



Leather and fur products.
(Deformation may occur.)



Silk, rayon and cupro products.
(Blended fabric)
(Discolouration or deformation may occur.)



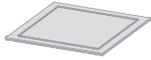
Cushion, pillow, etc. with cotton, sponge or beads used
(Damage or malfunction may occur.)



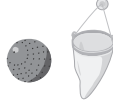
Waterproof sheets and clothes
(Damage or malfunction may occur.)

Other items

- Items other than clothes (paper diaper, etc.)
- Items that easily deform (jacket, tie, dress, etc.)
- Crease or emboss-processed items
- Items of which threads easily wear down (velvet, etc.)



Large or thick mat or carpet cover with urethane or rubber processed back surface.
(Damage or malfunction may occur.)



Commercially sold washing aids, washing net with hard core material, etc.
(Deformation or damage may occur due to heat. Also, damage to clothes or malfunction may occur.)



Cap with hard core materials.
(Damage or malfunction may occur.)

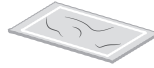
Cannot Dry



Starched shirt
(The dry filter may be clogged.)



Clothes decorated with embroidery or lace and new chemical fibre (micro fibre)
(Deformation may occur.)



Mats and other items with hair of pets attached
(Lint may block the drying pathway, or damage or malfunction may occur.)



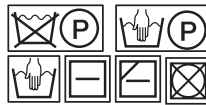
Curtain
(Damage or malfunction may occur.)
• Follow care labels of curtains before washing.



Tights, pantyhose
(Damage or deformation may occur.)



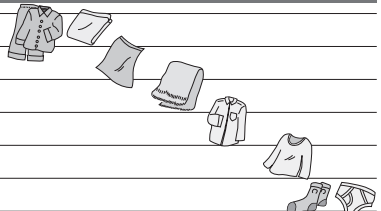
Wool clothes



Items with any of the symbols on the left
(Damage may occur.)

Laundry capacity guideline (Weight guideline per one item)

500 g	● Sheets (cotton 100%) ● A pair of pyjamas (cotton 100%)
400 g	● Skirt (chemical fibre)
300 g	● Bath towel (cotton 100%)
200 g	● Dress shirt (blended fabric)
150 g	● Long sleeve underwear (cotton 100%)
50 g	● Socks (blended fabric) ● Briefs (cotton 100%)



• Weight varies depending on the material.

Pre-treatment for tough stains



Collar and cuffs stains

→Apply detergent for collar and cuffs.



Dirt containing mud

→Apply detergent for partial stains or bathing soap, and wash by rubbing.



Stains

→Apply detergent for stains or oxygen liquid bleach. (For blood, tea, juice stains, etc., pre-wash with water.)

To prevent creases and shrinkage caused by drying

Note the following

- Select the dry mode that best suits your clothes. (P. 9)
- Decrease the amount of clothes for drying at a time.
- Smooth out creases formed during spin, and then dry.
- After drying operation is complete, take out clothes made of chemical fibre, etc. as quickly as possible that easily dry.



- Open the door in the middle of drying operation, take out the half-dry clothes. Then, hang the clothes to dry.



■ Clothes that shrink by drying

- Some clothes may shrink just by soaking in water, washing or drying. (Because tension generated in fabric processing is restored to the original level by washing)
- Some may shrink more by mechanical force in drying.
 - Knit products made of cotton, linen, etc.
 - Underwear shirt • T-shirt.
 - Polo shirt • Sweat shirt, etc.



■ If shrinkage worries you (P. 25)

To prevent damage of clothes, drainage failure and malfunctions



Reverse fluffy clothes.



Using a brush, remove hairs of pet and person, sands, etc.



Remove metallic fragments and coins.



Fasten buttons. Close zippers.



Tie strings, etc.

Use washing nets for delicate underwear and small items

- Be sure to put only delicate underwear and small items in the net for washing. (Do not put in items in the net other than these.)
 - Pantyhose and brassiere (Put wired brassieres in a commercially sold "brassiere-dedicated net".)
 - Clothes and lingerie decorated with lace
 - Socks, handkerchief, etc.




(Put the claw of the zipper into the cover.)


■ When drying

- Do not dry items remaining in the net. (To prevent uneven dry and wrinkle)

How to put in the Detergent & Softener



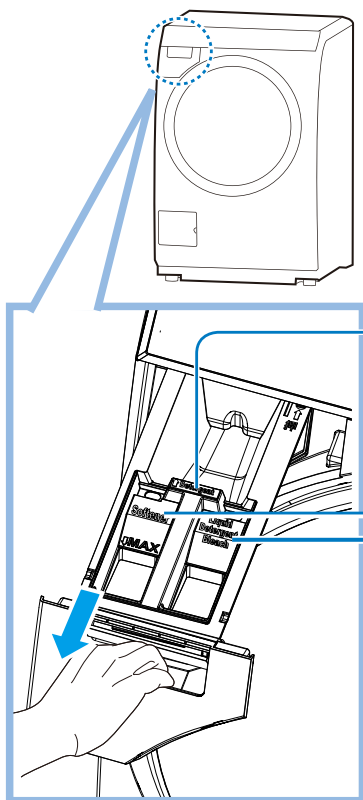
- You can use powder detergent, liquid detergent, liquid soap.
- Liquid soap is easy to solidificate, so dissolve it in the warm water before use. (Do not use liquid soap when using Timing, so as to prevent leakage or malfunction caused by solidification).
- low foaming detergent is recommended



Do not use soap powder

- Do not use soap powder. (to prevent dissolve difficulty in water, blockage problem, leakage or malfunction)

■ Detergent



Powder (detergent/bleach)

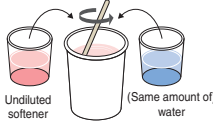
- To prevent the detergent from remaining
 - Wipe the case if it is wet.
 - Break block of detergent before putting in.

Liquid (detergent/bleach)

- Do not use chlorine-based bleach when using the Timing reservation. (Leaving the appliance for a long time may result in metal corrosion or malfunction.)
- Do not use chlorine-based bleach for coloured clothes. (Loss of colour may occur.)

Softener

- Dissolve in water if it is difficult to flow. (Max.: approx. 100 ml)
 - Do not put the softener exceeding the guideline "MAX" position. (The softener flows out quickly and no effect is given.)
- Do not leave the softener in the softener compartment for 12 hours or longer. (It easily becomes hard.)
- Do not use a separated or solidified softener. (The softener or water may remain in the case.)
- Small amount of softener may remain in the case due to its siphonic structure. (This is not a malfunction.)



Note

- If detergent or softener is attached to the main unit (especially door, operation panel and touch panel), immediately wipe it off with a wrung-out towel, etc. (Peeling of print, damage to resin, metal corrosion or malfunction may occur.) In particular, if liquid concentrated detergent is attached to the resin part, it may crack.
- If you have forgotten putting in the detergent or water is already in the drum, put the detergent in the detergent case and pour with a cup of water. (Because water to flow the detergent is not supplied)


1 Put in the laundry, close the door  **Start**

2 Put in the detergent by the mark



Detergent amount according to the laundry

Note

- Add Detergent, bleach, softener before water is filled (otherwise there may be residual)
- If the water starts filling when you are adding detergent, press  to pause and restart after adding detergent.
- When the wash machine (especially the door and operation panel) touches the laundry detergent or softener, immediately wipe it with dry towels (to prevent printed texts peeling off, resin damaged, metal corrosion damage, or abnormal operation). In particular, if concentrated liquid detergent touches the resin part it may cracked. Please be extra careful.

Use Standard detergent

Water Level	Water indicator	Standard detergent	
		Powder	Liquid
Extra High	50	approx. 30 g	approx. 25 ml
High	42	approx. 27 g	approx. 22 ml
Middle	35	approx. 24 g	approx. 20 ml
Low	27	approx. 18 g	approx. 15 ml
Extra Low	20	approx. 12 g	approx. 10 ml

■ For [Intensive] and [Super Soak] programs

Extra High	50	approx. 50 g	approx. 38 ml
High	42	approx. 45 g	approx. 33 ml
Middle	35	approx. 40 g	approx. 30 ml
Low	27	approx. 30 g	approx. 23 ml

- For [Gentle Hand Wash] and [Bedding] programs, the liquid detergent is recommended.
- Since the ingredients different detergent brands are not the same, the above data are for reference only.

Note

- For detergent with more foam, use less.
- Follow the instructions of detergent usage.
- Adjust the volume of detergent basing on type of clothes and degree of dirtiness.

- If the powder detergent is poorly soluble.
 - Dissolve it in warm water (approx. 30 °C) and then add it directly into the drum



Put in the detergent little by little while stirring to prevent it from remaining in a powder state.

Wash / Wash+Dry

Preparation

(1) Turn on the water faucet

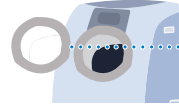
- Please do not turn off the water faucet when Dry (because the machine needs the water for cooling and dehumidifying, so if you turn the faucet off, the Dry cannot be proceeded. The machine also uses water to bring away the filament scrap accumulated in the Dry path inside the wash tub.)

(2) Put the laundry in the drum, and close the door.

Wash+Dry	Normal
● capacity 8 kg or less.	● According to the maximum capacity of each model (P. 9)
	StainMaster+ Cycle
	● 17 kg or less.

Caution

- Do not put in too many clothes (to avoid damaging the clothing or the machine)
- Please follow the capacity Normal (approximately 8kg.) when Dry (to avoid wrinkles or uneven Dry)
- Check whether any clothes are clamped when closing the door (to avoid leakage, mechanical failure or clothing rupture)
- Please complete the ventilation process



Capacity: approximately 8kg or less. (dry state)

Operate

1



Turn the power on

- When the power is turned on, the setting will be on [Normal] cycle.

2



Select Program (P. 8)



- | | |
|---------------|--------------------|
| ● Normal | ● Quick |
| ● Eco Soak | ● Bedding |
| ● My Favorite | ● Gentle Hand Wash |
| ● Intensive | ● Drum Clean |
| ● Silent Wash | ● Drum Dry |

- Each press will switch to the next option.

Normal → Eco Soak → My Favorite → Intensive → Silent Wash → Quick → Bedding → Gentle Hand Wash → Drum Clean → Drum Dry

3



Select water temperature

- [Water warm up] light on
- Use when water temperature is lower such as winter
- If there is no need to select water temperature, please do not press.

4



Select Dry

- [Wash + Dry] light on
- If there is no need to dry, please do not press.
- When you only want to select [Dry Mode] → (P. 20)

You may choose your preferred setting



Adjust the water amount (P. 5)

- You can pause the operation and change from turning on the power until the end of [Wash].



- You may select to your preferred wash time/number of rinse cycle/spin time (not adjustable in some cycles)



- Caution: When there is Dry, the spinning time must be 3 minutes or above



- Setting the Timing



- * Caution: After pressing the Timing button you cannot change cycle.

5



Start



Detect the amount of laundry (Tub rotates for about 15 seconds)

The amount of water is displayed for about 20 seconds.

- The door will be automatically locked (P. 16)

When [Wash+Dry]

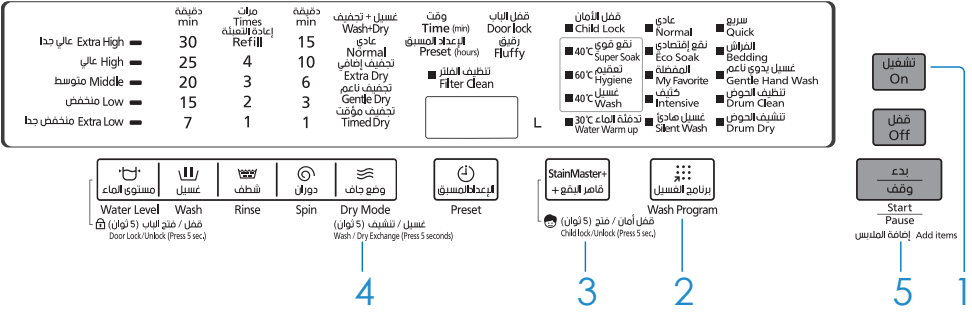


Select the Dry mode (P. 9)

● Normal
● Extra Dry
● Gentle Dry
● Timed Dry

Normal > Extra Dry > Gentle Dry > 10 (min.) > 30 (min.) > 1:00 (hr.) > 1:30 (hr.) > 2:00 (hr.) > 2:30 (hr.) > light off > Normal

→ Select time for Timing setting




6

According to the indication
Put in the detergent (P. 13)
 The remaining time is displayed, and water supply begins in approx. 35 seconds.

When the buzzer sounds, it means that Wash and Dry are completed.

■ After starting, if you want to change

Pause  first, and then you can change the cycle (you may change from starting until the end of wash)

After Dry or Wash is completed... automatically start [Fluffy].



Light on: Fluffy is set
 Flashing: Fluffy is running

Prevent wrinkles due to placing of clothing after Dry is completed.
[Fluffy]

- Note**
- After the [Gentle Dry] cycle of Dry, Fluffy will not be proceeded.
 - When setting Fluffy after the completion of Dry →(P.38)

Wash Instruction

Door lock

The door will be locked during operation.

قفل الأمان Child Lock is displayed during operation. The door does not open.



<Open the door>

- Pressing [Start/Pause] button during operation stops the drum rotation and cancels the lock with clicking sound. The door does not open while the drum is rotating.



Note

- If the door is opened while washing, bubble may spill out. Receive it with a towel, etc. (Water droplets may also fall from the inside the door.)
- With the Child Lock set, the door does not open even if the appliance is not operating.
- The door does not open while the Reserver is being set. Turn the power off, and make the setting again.
- Do not disconnect the power plug. The lock cannot be cancelled even if the power is turned off.

Setting Child lock

To prevent accidents of children, this function disables door opening even if the power is turned off or after the operation has finished.

How to set

- 1 **قفل الأمان On** Close the door and **turn the power on.**
- 2 **StainMaster+ + قفل الأمان** Press and hold for at **least 5 seconds.**

The setting is complete when [Child lock] and **CL** is displayed after a double beep is heard.

To cancel

- 1 **قفل الأمان On** Close the door and **turn the power on.**
- 2 **StainMaster+ + قفل الأمان** Press and hold for at **least 5 seconds.**

The setting is complete when [Child lock] and **CL** is disappears after a double beep (x2) is heard.

Note

- When the power is turned on after Child Lock has been set, **CL** is displayed for approx. 2 seconds each time.

The door is locked if the water temperature is high.

During operation, when the temperature inside the Wash tub is high, the door will be locked, and Door locked light will be on. Even if you pause the operation or turn off the power, the door cannot be opened.

<To open the door immediately>

قفل الأمان Off Turn the power off → **قفل الأمان On** Turn the power on → Start [Spin] (Water supply may start to lower the water temperature inside the drum.)

- Wash is not over. Please re-run.

The door will be locked when the temperature inside the Wash tub is high.

During Dry, when the temperature inside the Wash tub is high, the door will be locked. Even if you pause operation or turn off the power, the door still cannot be opened.

Before the temperature drops, the door cannot be opened.

<To open the door immediately>

قفل الأمان Off Turn the power off → **قفل الأمان On** Turn the power on → **Fluffy** press and hold for at least 5 seconds → [Fluffy] light is on

- The cooling operation will start (5 to 25 minutes), and the draining and air blowing will lower the temperature inside the tank.
- When the cooling is completed, there will a rattle sound, and the door will be locked.

※ Cooling time may vary depending on temperature inside the wash tub.

Normal / Normal • StainMaster+

Wash normal clothing

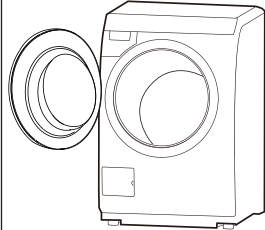
دقيقة min	مرات Times	دقيقة min	غسيل + تجفيف Wash+Dry	وقت Time (min)	قفل الباب Door lock	قفل الأمان Child Lock	عادي Normal	سريع Quick
عالي جدا Extra High	30	15	غسل عادي Normal	البرنامج المسبق Preset (hours)	تلقف Fluffy	40°C Super Soak	نقع / اغتسل Eco Soak	الغسيل اليدوي Bedding
عالي High	25	10	تجفيف إضافي Extra Dry			60°C Hygiene	المفضلة My Favorite	غسل يدي Gentle Hand Wash
متوسط Middle	20	6	تجفيف تاعم Gentle Dry	تنظيف الفلتر Filter Clean		40°C Wash	كثيف Intensive	تنظيف الدrum Drum Clean
منخفض Low	15	3	تجفيف مؤقت Timed Dry			30°C Water Warm up	غسل مائي Silent Wash	تنشيف الدrum Drum Dry
منخفض جدا Extra Low	7	1						

Water Level	Wash	Rinse	Spin	Dry Mode	Pre-Set	StainMaster+ مضاد البقع + Child Lock/Unlock (Press 5 sec)	Wash Program	Start Pause Add Items
مستوى الماء / Door Lock/Unlock (Press 5 sec)	غسيل / غسل / Door Lock/Unlock (Press 5 sec)	شطف / شطف	دوران / دوران	وضع جاف / غسيل / تنشيف (5 ثوان) Wash / Dry Exchange (Press 5 seconds)	البرمجة المسبق	برنامج الغسيل	بدء / وقف / إضافة الملابس	

※When Wash+Dry.
 ※If there is no need for Dry, do not press the [Dry Mode] button.

Preparation

- Getting laundry ready (P. 10)
 - classification ● pre-treatment
- Turn on the faucet
 - You must turn on the faucet even for Dry cycle.
- Put the laundry in the drum and close the door.



Reach the upper portion of the entry for about 8kg. Normal.

※ If you put in too much clothing, the clothes may not be completely dry or the Dry time will become longer.

When you select [Wash+Dry] or [Dry] cycles, the display when you put in too much clothes (exceed capacity)

When the clothing exceeds capacity, [U15] message will appear, and the operation will stop. Remove excessive clothing then restart.

- Please refer to P. 9 and select the proper Dry cycle.
- After the Dry is completed, start the [Fluffy] operation (about 2 hours and the [Fluffy] light will flash.)
- ※ Since the Dry is completed, please remove the clothes soon.
 - To cancel the [Fluffy] after Dry (P. 38)

Wash+Dry Wash

- Capacity 8 kg or less.
- Normal / Stain Master + According to the maximum capacity of each model (P. 9)

1 Put in the clothing, close the door, and press the power button.

● When Wash, do not put the clothing over the top of the entry, or it will likely to cause damage to the product.
 [Normal] display light is on

2 Press [Heated Program] to [Water Warm Up]

Select [Water Warm UP] to [Hygiene] to [Super Soak] to [Wash]

3 Press [Dry Mode] to [Wash+Dry]

● Select [Normal], [Extra Dry], [Gentle Dry] or [Timed Dry].

4 Start

5 Put in the detergent (P. 13)

The operation is complete with buzzer.
 (Take out the laundry.)

Wash Instruction

Wash gentle hand wash clothes

By softly shaking the drum, this program gently washes delicate clothes, etc.
(maximum capacity of 1.5 kg or less)

Washable items

With  or  markings

Washable items



Cashmere sweater and summer sweater, etc.



Casual pants



Blouse

Unwashable Items

- Some clothing cannot be washed even with the marking → (P. 10)

Note

- Do not wash clothes with no laundry labels, with unclear material marking or one that fades.
- You may apply non-fluorescent detergent agent on collars and cuffs for sebum and dirt, and then remove those by brushing lightly with a soft bristle brush.
- For the following scenarios, clothes will need pre-treatment. situación.



Fix ruffle hem with thread.



Wrap buttons of darker color with plastic wrap.

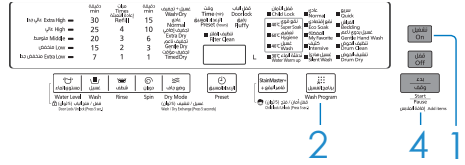
- If you wash only 1 sweater or other clothing, you may wash 1-2 additional bath towels together (to achieve balance during spinning).

Usable detergent

- For commercially available detergents, buy cold wash detergent (to wash sweaters, and delicate clothes, without fluorescent agent)
- Do not use detergents other than the above ones because other detergent may not be completely dissolved and may have an adverse effect on the fibers.
- According to different types of detergents, some of them may create excessive foams and cannot wash the clothes clean.



[Gentle Hand Wash] Program



Preparation

- Laundry preparation (P. 10)
 - clothing classification
 - Pre-treatment
- Turn on the water faucet.
- Put the laundry in the drum and close the door


1  Turn the power on.

2  Press [Wash Program] select to [Gentle Hand Wash]

3 Add neutral liquid detergent into the detergent box.

Note

- Since liquid detergents are recommended using in [Gentle Hand Wash] program.

4  Start

- When the sweaters to rise, [pause] operation, open the door and gently press them, then start again.

The operation is complete with buzzer.

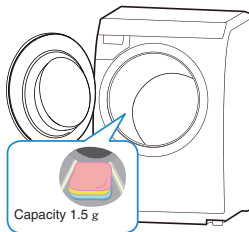
(Take out the laundry.)

(Not handling immediately may cause wrinkle or dyeing)

Method to put in laundry

Lay the laundry flat and overlap when putting them in!

(weight Normal)



Sweaters about 400 g

Blouse about 200 g

Casual pants about 400 g

Note

- Shrinkage → (P. 26)
- [Stain Master +], [Fluffy], [Auto Drum clean], [Reserve] and [Dry] cannot be used.
- Do not use bleach.
- Use water temperature below 30°C.
- Delicate clothes as wired bras, lace items and small items, please put into laundry net before washing. (P. 11)

Wash large sheets or bedding

○ Washable bedding and sheets

■ Types and weight

100% synthetic fiber or 100% cotton blankets with marking of double size or below.



Thick bedding of under about 5 kg.



Thick bedding under about 3 kg.



Cashmere bedding, cotton blankets under about 1.4 kg.

Synthetic fiber (polyester, acrylic) sheets with marking of single size or below.



Towels, quilts (cotton products included) of under 1 kg.

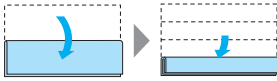
✗ Bedding and quilts that cannot be washed

- Bedding with burr of 10 mm or above (plush) (or the burr may be damaged)
- 100% wool blankets
- 2 or more bedding
- duvet
- 2 or more sheets

How to put in the bedding

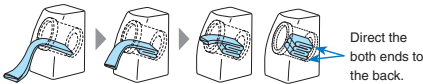
1 Fold the bedding or sheet

- Fold into 4 layers



2 Put in the blanket

Fold it in zig zag shape (6 layers) inside the drum.



Direct the both ends to the back.

■ Preparation

- (1) Turn on the water faucet.
- (2) Put the laundry in the drum and close the door.

1 Turn the power on.

2 Press [Wash Program] select to [Bedding]

3 Press [Stain Master +] to [Water Warm Up]
 (※Suitable when water temperature is lower such as winter)

4 Press [Dry Mode] to (Wash+Dry)
 ● Select [Normal] to turn on the lamp.

5 Start

6 Put in liquid detergent
 ※ Liquid detergent is recommended.

The operation is complete with buzzer.
 (Take out the laundry.)

Wash+Dry

- Capacity 4 kg or less.

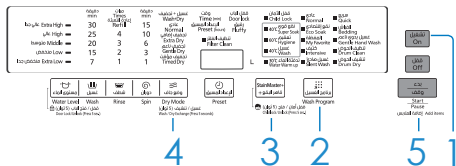
Wash

- Normal 5 kg or less
- Stain Master + 4 kg or less

Caution

- Do not wash clothes without laundry label, waterproof cover cloth or cover.

[Bedding] Program



Note

- [Fluffy] and [Auto Tub Clean] cannot be used.
- For [Bedding] cycle, only [Normal] Dry cycle can be selected for [Wash+Dry].
- Water volume cannot be changed to [Middle], [Low] or [Extra Low].

Drying

Proceed with Dry operation only.

دقيقة min	مرات Times إعادة التعبئة Refill	دقيقة min	عسيل + تحفيف Wash+Dry عادي Normal تحفيف إضافي Extra Dry تحفيف ناعم Gentle Dry تحفيف مؤقت Timed Dry	وقت Time (min) إعداد المسبق Preset (hours)	قفل الباب Doorlock رقيق Fluffy	قفل الأمان Child Lock 40 °C فوي فوي Super Soak 60 °C تحفيف Hygiene 40 °C غسل Wash 30 °C غسل الماء Warm up	عادي Normal نقع إضافي Eco Soak الحيات Bedding غسل يدي ناعم Gentle Hand Wash تنظيف الدرم Drum Clean تنظيف الدرم Drum Dry	سريع Quick المسحوق My favorite كثيف Intensive غسل صديق Sleek Wash
Extra High	30	15	1					
High	25	4	10					
Middle	20	3	6					
Low	15	2	3					
Extra Low	7	1	1					

Water Level	Wash	Rinse	Spin	Dry Mode	Preset	StainMaster+	برنامج العسيل	بدء وقت
مستوى الماء	غسل	شطف	دوران	وضع جاف	إعداد مسبق	مقاوم البقع +	تنظيف الدرم	وقت إيقاف
منع الباب (5 ثوان)	غسل / فتح الباب (5 ثوان)	شطف	دوران	عسيل / تنفيف (5 ثوان) Wash / Dry Exchange (5 seconds)	إعداد مسبق	مقاوم البقع +	تنظيف الدرم	إضافة العناصر

2,3

4 1

Preparation

- Laundry preparation (P. 11)
 - Even for Dry cycle, the water faucet must still be turned on.
- Put the laundry in the drum and close the door
- Please proceed with ventilation.

1 Turn the power on

Note

- For everyday clothing, make them fluffy after spinning before putting in again.
- When exceeding capacity limit or putting in too many clothes, while the operation will be proceeded, but the clothes will not fully dry (Dry time will be elongated, uneven Dry, or wrinkling, etc.)

2 Dry Select [Dry Mode] (Press and hold for at least 5 seconds)

Note

- Select Dry mode basing on the type of clothes → (P. 9)
- Clothes that cannot be dried → (P. 10)
- Methods to improve the Dry effect (P. 6)

3 Select [Dry Mode] mode

Each press will switch to the next option.

Normal → Extry Dry → Gentle Dry → 10 min. → 30 min.
 1:00 (hr.) → 1: 30 (hr.) → 2: 00 (hr.) → 2:30 (hr.) → light off → Normal

Select time when setting the time.

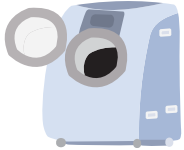
- For small amount of laundry (1 kg or less) or clothes that are half-dried, it is suggested to use [Timed Dry] function. (Using Dry method outside of Timing will make the operation time longer).
- For clothes that are not easy to dry, please proceed with spinning (15 minutes) before Dry.

4 Start

The operation is complete with buzzer. (Take out the laundry.)

Note

- For [Gentle Dry] program, [Fluffy] operation will not be proceeded.
- If ventilation is not sufficient, basing on the temperature difference, there will be a little condensation on window and groove wall or Dry time becomes longer.
- [Preset] and "Auto Tub Clean" cannot be used.



■ Daily clothes

Please confirm whether the clothing can be dried. (P. 10) ※Do not use blanket cover when Dry.

■ Everyday clothes...

“Normal” “Extry Dry”

Clothes that do not mind about wrinkle

Dry capacity: 8 kg or less (P. 9)

“Timed Dry”

Final Dry for semi-dried blankets.

(Please confirm size and material before Dry)

Dry capacity: 1 kg or less

100% synthetic fiber...

- Meyer blanket
- Taft blankets
- carpet weaving

■ Methods to put in the blanket → (P. 19)

Caution

- Do not use blanket cover.



When Dry clothes that wrinkle easily or a small amount of clothes (3 kg or less)



- (1) For small amount of clothes (1 kg or less), please select [Timed Dry] Dry cycle and set the time as 1:30 or 2:00
- (2) When selecting [Timed Dry] Dry cycle for 1-3 kg of clothes, please set to time as 2:00 or 2:30.
- (3) When Dry clothes over 3 kg or more, please select [Timed Dry] Dry cycle.

“Gentle Dry”

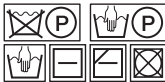
Delicate clothing, hand-washed casual trousers, etc.

(Let the Wash tub rotate slowly and dry mildly.)

■ Check the laundry

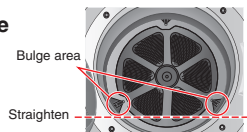
Please confirm those clothing can be dried. (P. 10)

- For some clothes, even if they have the below markings, they can still use [Gentle Dry] cycle for Dry.



■ Method to put in the clothes

1 Straighten the bulge areas inside the wash tub



2 Put in the items to be dried

Dry capacity: 3 kg or less



- If the Dry is uneven, turn the clothes around and dry again.
- Check the state of dryness during operation. If the items are already dried, remove them (to avoid over Dry that may damage the materials or accessories).
- If fold wrinkles appear, use iron with full steam to iron out the shape.
- For clothes that are difficult to dry such as sweaters, you may proceed with [Spin] before Dry again.

Maintenance

Drain / Dry filter

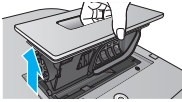
- When "Filter cleaning" flashes.
- When Dry is completed
- After Wash with warm water

Drying filter

When [Clean the filter] flashes, it means the Dry filter medium has a certain degree of cotton residue attached. It may flash after just one operation and is not a malfunction.

Remove cotton residue

1 Remove the Dry filter



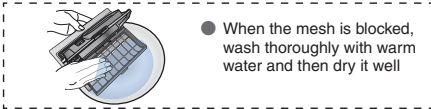
- Do not remove when the Wash machine is running.
- After removing the Dry filter, do not wash side of body with water and place anything inside

2 Open the filter remove the cotton residual



3 Use a dry towel to wipe it clean

- No harsh rubbing (to prevent damaging the filter)



- When the mesh is blocked, wash thoroughly with warm water and then dry it well

4 Remove the cotton residual from (inside of) the Dry filter



- Remove cotton residue, then wipe clean with dry towel.

— Dry filter (inside)

5 Remove the Dry filter and wash

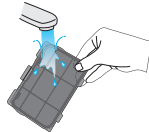
6 Install the Dry filter

- Insert it completely
- Do not operate the Wash machine when Dry filter is removed (to prevent incomplete Dry or kicking up dusts.)



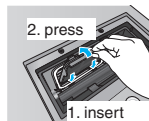
1 Remove

remove to take out the cotton residual



2 Wash

Rinse with running water, then rub the edge with fingers while Wash (do not scrub with a brush, etc.)



3 Install

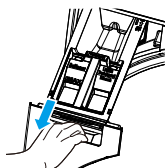
Install after it is completely dry.

Maintenance

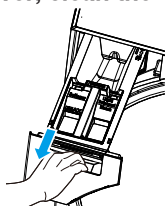
Detergent case

Wash

- 1 Press the circular recess and pull out



- 2 Remove the cover, clean the inside and cap of the detergent case (P. 32)



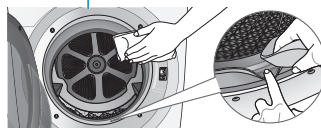
Note

- Leave the soil without taking care of will cause mold, and the dirt will make softener difficult to flow.

Body/door deal

Wipe with a soft cloth

- If there is wire clippings, water droplets or foreign objects attached inside and around the edge of the door, wipe them with a dry towel. (So as not to prevent leakage and odor due to blockage of clog)



If the soil is severe

Wipe with some kitchen neutral detergent

Note

- Do not use cleaning agents, thinners, gasoline, alcohol, kerosene, etc.
- When the body (especially the door and operation panel) touches the laundry detergent or softener, immediately wipe it with dry towels (to prevent printed texts peeling off, resin damaged, metal corrosion damage or abnormal operation.) In particular, if concentrated liquid detergent touches the resin part it may cracked. Please be extra careful.

Drain filter cleaning (Once a week)

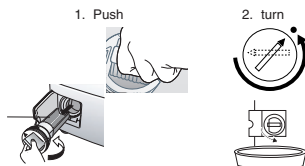
■ When the filter cleaning in dicator is flashing, proceed with cleaning.

- ※ Especially during Dry, the scraps tend to accumulate so it should be cleaned every time.
- ※ If thread scraps and other foreign matter are not removed, it may easily cause accumulation within the drain plug. When Wash, if [U11] appears on the the panel, please refer to (P. 30).
- ※ Do not open the drain filter during operation, or it will cause serious leakage.

How to remove the drain filter (below pic.)

1. Only after draining is completed and the power is turned off, the drain filter can be removed.
2. Push the drain filter inward, turn it counter-clockwise until it is loose. Make sure there is no residual water, then remove the drain filter.

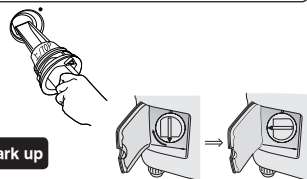
loosen



Loosen the filter by pushing inward and turn counter-clockwise.

- ※ If there is outflow of residual water, catch with a flat disk to avoid splashing the ground.

How to lock the drain filter



Top mark up

1. Align with and tighten.
 2. Turn clockwise until become horizontal as shown above.
- ※ Please tighten up securely. Other it will cause leakage.

Maintenance

Drum Clean / Drum Dry

Prevent black mold and odor in laundry drum

Clean with chlorine-based bleach (about once a month)

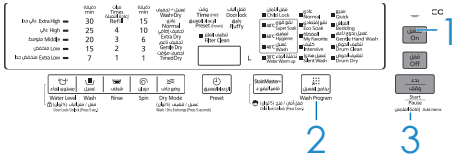
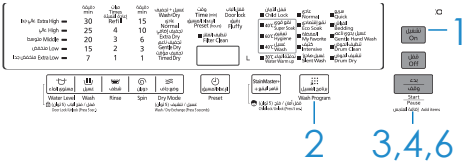
Drum Dry (Once a week)

To keep it cleaner

Remove the steam after laundry


[Drum clean] program

[Drum Dry] program



Preparation: turn on the water faucet

- 1 No clothes inside
Turn the power on
- 2 **Select** تنظيف الحوض
Wash Program [Drum Clean].
- 3 **Start**
after the water filling is completed...
- 4 **Pause**
- 5 **Put in the detergent**



about 200 ml

- 6 **Close the door and start**
● Eco soak → rinse → spin

Instruction

- When there is [Auto Drum Clean] setting → it takes about 2 hrs 24 mins.
- When there is no [Auto Drum Clean] setting → it takes about 3 hrs 04 mins.
- The setting/relieve of [Auto Drum Clean] (P. 38)

Note

- Do not use oxygenated bleach and detergent (to avoid excessive foam and cause draining during operation.)

- 1 No clothes inside
Turn the power on
- 2 **Select** تنشيف الحوض
Wash Program [Drum Dry].
- 3 **Start**
● The drum will rotate while blowing out hot air for about 30 minutes.

▼

The operation is complete with buzzer.
(Take out the laundry.)

Note

- [Drum Clean] and [Drum Dry] use cannot [Stain Master +]、[Fluffy]、[Preset]、[Dry Mode].

Other Notes

■ Leaving the dirt untreated will make it difficult to wash off, so wash dirty clothes as soon as possible.

■ Stains of ketchup, mayonnaise or blood, etc.

■ Stains of black tea or fruit juice, etc.

Apply oxygen-based liquid bleach directly thereon, then wash them together with other laundry.

----- Treatments for darken or yellow spots -----

Soaked them in dissolved bleach liquid for about 2 hours. For white clothes, use chlorine-based bleaching agents. For colored clothing, use oxygenated bleach agent.

- For whether you can use the bleach agent and what amount should be applied depending on the clothes, please follow the instructions of the bleaching agent.
- In the case of oxygen-containing bleach agents, dissolving powder-type bleach agent in hot water of about 40 °C before use will give better results.

■ Be careful when handling the threads or scraps of clothes.

- Wash towels, bath towels or sheets which are prone to have threads separately.
- When worrying about threads attaching, please select water-injection rinsing or increase the number of rinsing.



If the clothing has scraps attached thereon, remove them with sticky faucetes.



■ Regarding the shrinkage caused by Dry

Some clothes will shrink once soaked inside water or washed and dried. This is due to the tension applied on the fabric during processing, and the Wash return the fabric to its initial state. If using Dry, the shrinkage may be more serious.

■ cotton, linen and other knitwear

- When Dry, cotton, linen and other knitwear will receive mechanical forces and may shrink due to clogging.

■ How to reduce the degree of shrinkage

- Before Dry, please double-check the laundry label and material marks on clothing.
- Hang up the clothing and wait until they are almost dry, then using this machine to dry them completely. Please combine with sunlight Dry method.



■ Synthetic fiber clothing

- When Dry, due to the heating effect, synthetic fiber may shrink.
- After cotton products shrink, if sufficiently wet them and stretch them, they can recover to a certain extent.
- For synthetic fiber clothing that cannot stand heat, use [Gentle Dry] cycle.



Note

- Please check and follow the laundry and Dry labels on the laundry to select Dry mode.

■ Key points on Dry

- After the buzzer sounds, remove the laundry immediately!
- Put less clothes. It should be less than Normal Dry capacity (70%-80%).

- Clean the Dry filter each and every time and install it properly. If the filter is clogged, the air circulation will suffer and make the Dry time longer.

■ Notes

Do not spray insecticides, hair styling lotions, deodorants to this product

(it will cause malfunction, damage to the plastic parts or other unpredictable dangers).

Do not locate this product in a place that is easy to condense water drops.

- When the temperature is high and water temperature is low, water drops will wet the floor

Do not add too much laundry detergent when Wash.

Do not place this product near household appliances such as television or radio

- It will cause image distortion and noise.

Do not use polyvinyl chloride (PVC) protective cover (it will damage the plastic part and the paint surface).

- If PVC protective cover is used, do not let it directly contact with the product body. Place a piece of cloth underneath before using the protective cover.

Do not place chargers on top of this product.

- If the charger of electric toothbrush or other product is placed near the product, it may cause a malfunction.

Do not place objects on top of this product during operation.

- Because vibration during operation may cause the items to fall.
- When not in use, if you place the Wash baskets on top of this product, please do not let it touch the hose to avoid leakage.



When Dry, the rear upper part of the body, Dry filters, vent holes and the door be slightly hot. This is normal and please feel at ease to use the product, but be careful to avoid low-temperature burns.

Notes after use

■ After using the Wash machine, turn off the water faucet and unplug.

For Better Results

When this happens

Darkening, yellow spots, stain, odor

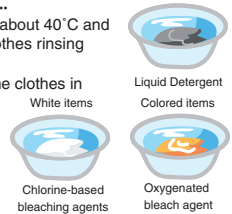
When this happens

- Use proper amount of detergent. (P. 13)
(Too little detergent will let the washed dirt to attach on the laundry again, resulting in darkening or odorous clothes.) a → Using liquid detergent may result in significant darkening issue. If you mind, use powder detergent.
- If softener is used during Wash, the generation of static energy can be suppressed.
- If too much softener is used, a lot of softener will reside on clothing and result in darken clothes.
→Please use proper amount of softener.
- For non-fast coloured item (newly purchased bright color items or seriously dirty items), please wash separately. (P. 11)
- The clothes may become yellow after Dry due to rust from faucet water, residual detergent, dyeing or other factors (looks like burnt).
- Discoloration caused by sunlight or other factors cannot be removed.



If you mind darkening, yellowing, staining, odor...

- Please put 2 spoons of detergent in warm water of about 40°C and let the detergent fully dissolved, and then let the clothes rinsing overnight before wash.
- If the spot does not come off after doing so, soak the clothes in dissolved bleach liquid for about 2 hours. For white items please use chlorine-based bleaching agents, for colored items, use oxygenated bleach agent. (Follow the instructions of the bleach agent).



Feeling the clothes are not clean

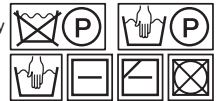
- If you are not satisfied with the cleaning effect of ECONAVI function, please refer to (P. 38) for method to change the setting of ECONAVI function.

Damaged clothes

- Put delicates such as lingerie in laundry nets before washing. (P. 11)
- Chemical fibres (jersey, fleece, etc.) easily dry and they may be damaged due to rubbing. Shorten the spin time.

Shrunk clothes

- Some clothes, due to the material, weave, thickness, patterns or other factors, are not suitable to touch water or Dry.
→Before Wash and Dry, thoroughly check the laundry label and material marking, etc.
- Even for cotton, linen, knit or fabrics with larger gaps, they may still shrink due to Dry.
→When using [Timed Dry] for Dry, please remove the clothes when they are semi-dry and immediately hang to dry.
→Hang until the clothes are mostly dry, then proceed with [Dry Mode] operation.
Make good use of the sun.
- The fibers of synthetic fiber may shrink due to heat when Dry.
When cotton products shrink due to Dry...
→Fully soak the clothes and stretch and the shrinkage will recover to a certain extend.
When clothes using [Gentle Hand Wash] shrink...
→(1) Spread the clothes on the ironing table to the intended size and fix it with needles.
(2) Let the iron gently flow on the clothes and iron it with plenty of steam.
(3) Keep it at this state until it is completely dry.



When this happens

The secret of perfect cleaning

Severe wrinkle or texture change due to Dry

- Some clothes, due to the material, weave, thickness, patterns or other factors, are not suitable for Wash and Dry machines.
→Before Wash and Dry, thoroughly check the laundry label and material marking, etc. (thinner plain weave and crepe material are prone to wrinkles).
- Did you put in too many clothes?
→Slightly reduce the volume and the Wash result will improve.
- Can you select Dry mode suitable to the clothes. (P. 9)
→Limit the volume to under 3 kg and use [Gentle Dry].



Trousers, large sheets, etc...

After 30 minutes of [Timed Dry] Dry, remove the clothes when they are semi-dry and hang them outdoors.

- Did you leave the clothes unhandled after Dry?
→After Dry, please remove the clothes from the Wash Drum immediately.
- Increasing Wash time or number of washes, it may make clothes tied together or wrinkle more severe.
→After spinning, take out the clothes and untie them may reduce wrinkles.



Filament scrap attached

- Items such as towels may easily create filament scrap. It is best to wash them separately.
- If you mind about filament scrap, please increase the number of rinsing. (P. 5)
- Especially after Dry the filament scrap may easily accumulate, please proceed with maintenance.

If there are filament scraps attached on clothes every time...

→Use the following procedures to clean the laundry tub and remove the filament scraps therein (P. 23)

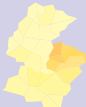
- (1) Turn on the water faucet.
- (2)  Turn on the power.
- (3)  Select [Drum Clean]
- (4)  Start

- Please proceed with maintenance of [Drain filter cleaning] after above procedures are completed. (P. 23)

Decontamination effect is poor, or stains cannot be removed

- For stains, soil and other dirt that are not easy to remove, please proceed with pre-treatment. (P. 11)
- Leaving the dirt there unhandled will make it even more difficult to remove.
- Stains like perm solution and other chemical dyes, rust, mildew, ink, or lipstick may not be removed.
- You may use preferred cycles in [Eco Soak] or [Intensive] basing on the state of the dirt.

Becoming stiff



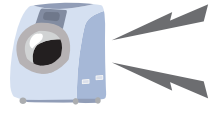
Since drum type washers wash clothes while beating, fibres of towels, etc. may become flat and you may feel rough on the surfaces.
→Using [Fluffy] (P. 38)

- Using softener can improve the Wash results.
- If you still mind, please use [Timed Dry] Dry for 30 minutes, then hung to dry.

FAQ

Check the state of clothes in the wash tub, or installation status of the Washing machine.

There are concerns about the sound, big vibration, and the [gada-gada] sound it makes!



If rotating the Wash tub (stopped)

It gives the sound of water

- It is the sound of injecting water into the Wash tub to balance the spinning (not that there is water remaining in the body).

Note

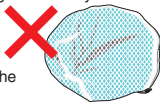
- Drum type wash machine is different from conventional (vertical) wash machine. Its body will have temperate vibration or gives gada-gada sounds during [Spin] depending on the balance of the clothing, and it is not abnormal.

The vibration of drum type Wash machine...

- The vibration may become greater depending on the floor material and the laundry contents (when Wash jeans, thick towel cloth, sheets, or only one sweatshirt, etc.)

The key to make spinning smooth

- Do not stuff clothing into laundry net.



- Do not only wash clothes that are in the laundry net.
- Wash towel cloth, sheets or judo clothes separately from other clothes.

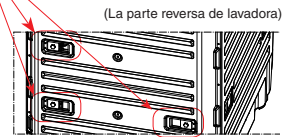


The status of installation is? (please refer to installation instruction)

If the following situations occur, please contact the [Panasonic] service station where you purchased your product.

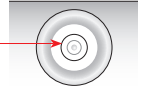
- Are the 3 fixing bolts for transportation removed?

If the bolts are not removed, the body will move and it is very dangerous.



- Is it flatly placed?

→Detect the level meter of the body (as long as the air bubble is inside of the circle, it is level).



Flashing no stop? Why...? [Time (min)]

The light will flash under the following situations

<ul style="list-style-type: none"> Wash-Dry Normal Extra Dry Gentle Dry Timed Dry 	<ul style="list-style-type: none"> Time (min) Proset (hour) Filter Clean 	<ul style="list-style-type: none"> Child Lock Super Soak Hygiene Wash Water Warm up
--	---	--

When [Time (min)] light flash...

→It is detecting the water temperature.

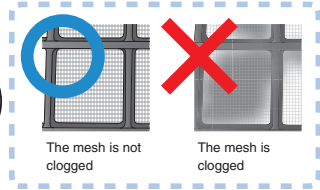
It will select the time basing on the water temperature automatically, so the displayed time may be different from the actual time.

The clothing are not completely dry.

Dry time is very long! But the clothes are not dry!

■ Are Dry filters showing the following state?

- Cotton-like dust is attached on the dry filter
→Remove and clean the dry filter. (P. 22)
- The dry filter is clogged. ((Filter cleaning) blinks.)
→Even if the cotton-like dust is removed, the filter may be still clogged.
Wash well with lukewarm water and dry.
Remove cotton-like dust attached on the dry filter (inside) as well and wipe with a wrung-out towel, etc.



Note

- When excessive foaming detergent is used or excessive detergent causes excessive foam, the bubbles in the drum may reach the dry filter by spin rotation, causing the filter to be clogged or bubbles to spill over.
If the filter is clogged or the bubbles spill over, reduce the amount of detergent.

■ Amount of clothes and the condition

- Too many clothes.
→Put in clothes of the upper limit amount or less according to the capacity of each program. (P. 8)
- There are many clothes (cotton) that need longer time to dry.
→Use Timer to dry more. (P. 21)
- There are many thick clothes (jeans, sweat shirt, Judo uniform, etc.).
→Use [Intensive] to dry more. (P. 9)
- The [Wash+Dry] operation is being performed with many towels in.
→Towels stick to the drum during the [Spin] cycle, which interrupts drying process.
Perform the [Wash+Dry] operation with other clothes (20 to 30%) in.
- Detangle the clothes after spin.
- Do not put clothes in a laundry net.

■ Others

- Did you open the door several times during the operation?
→Please minimize the number of opening and closing of the door.
- When [Fluffy] is flashing, it means [Dry Mode] operation is completed.
→Please open the door and remove the clothes.
- The room temperature is too low and Dry cannot be proceeded (under 5°C)
- The temperature of the condensed water will affect the clothes drying effect.

The remaining time of Dry does not decrease or decrease suddenly!

■ The displayed time is only estimated Normal value and is different from actual time.

غسل + تجفيف Wash-Dry عادي Normal تجفيف إضافي Extra Dry تجفيف ناعم Gentle Dry تجفيف مؤقت Timed Dry	وقت Time (min) إعداد المسبق Preset (hour) تنظيف الفلتر Filter Clean	قفل الباب Door lock رفوف Fluffy	قفل الأمان Child Lock 40°C Super Soak 60°C Hygiene 40°C غسل Wash تدفئة الماء 30°C Water Warm up
--	--	--	---

- Displayed time is the estimated required time for Dry. It automatically adjusts basing on the type of clothes and the Dry state, so the displayed time may be different from the actual Dry time.
- If the Dry time is over 1 hour or does not decrease, it may be due to blockage of Dry filter mesh or insufficient spinning time.
→The maintenance of Dry filter (P. 22)

Error Messages

■ If the buzzer beeps and "U" and "number" are alternately displayed, check the following. By pressing [Start], the operation will resume.

● If the problem persists, pull out the power plug and contact your dealer for service.

<p>U 10</p> <p>Poor installation</p>	<p>● Are the fixing bolts for packaging at the rear side of the product removed? → Press power [off] to stop cycle. Please contact the dealer that you purchased the product from to remove the fixing bolts.</p>
<p>U 11</p> <p>Water cannot be drained.</p>	<p>● Check the water drain hose, drain filter and drain outlet.</p> <ul style="list-style-type: none"> Do not allow the tip of the hose to face up. It is frozen. The water drain hose or drain outlet is clogged with lint. Do not allow the tip to be soaked in water. It is crushed. Clean the drain filter if blocked. (P.23) <p>● If the message is still displayed after checking the above, contact your dealer.</p>
<p>U 12</p> <p>Door lock malfunction.</p>	<p>● If the door is not closed. → Close the door. → If the door is closed, close the door after once opening the door.</p> <p>● If the door does not open. → Press the centre of the door firmly.</p>
<p>U 13</p> <p>Spin operation cannot be performed.</p>	<p>● Check the clothes condition.</p> <ul style="list-style-type: none"> Many large items (Towel sheets, Judo uniform, etc.) → Reduce such large items. Many clothes → Detangle the clothes. Not many clothes → Add one or two bath towels. <p>● The main unit is installed on an unstable location or inclined floor surface.</p> <p>● Check the water drain hose and drain outlet. (See the descriptions for "U11".)</p>
<p>U 14</p> <p>Water cannot be supplied. Abnormal water supply</p>	<p>● Check the water supply pathway.</p> <ul style="list-style-type: none"> The water faucet is not turned on. The water supply filter is clogged with dust. (P.35) Water or water supply hose is frozen. The water supply is cut off. Is the water supply abnormal? (The water level is too high) When the water levels toohigh, do not open the door, please drain the water first.
<p>U 15</p> <p>When there are too many or too little clothes, draining cannot be proceeded.</p>	<p>● The possibility of having too many clothes → Please check whether this are too many clothes or if the clothes are too wet. → During Dry, if the clothes are too wet, please select to spinning individually or remove excessive clothes.</p> <p>● The possibility of cooling water not able to be discharged during Dry → Press power [off] to stop the Dry cycle and confirm whether there is abnormal situation occurring basing on the contents in [U11]. → After spinning, restart the Dry cycle.</p> <p>Turn off the power; reselect the desired cycle, restart the operation. If the door is locked, please release the [Door lock] first. (P.16)</p>
<p>U 16</p> <p>Dry filter not installed</p>	<p>● Is the Dry filter properly installed? (P.22) → After cleaning and maintenance, be sure to install the Dry filter properly. After installation, restart the operation.</p>

■ If "H" and "number" are alternately displayed, check the following.

<p>H 00</p> <p>Inspection is required.</p>	<p>● Turn off the tap just to be safe. Check the displayed content (2-digit number after "H"), pull out the power plug, and contact your dealer.</p>
---	--

※1: When adjusting the child safety setting, please turn off the machine and restart.

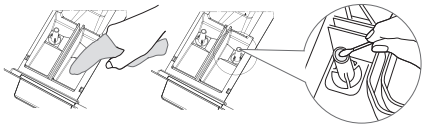

Troubleshooting

Symptom		Cause
Body	Button does not work?	<ul style="list-style-type: none"> ● After starting, you may press [Pause] and proceed with switch during the entire Wash. To change cycle or contents after spinning, please restart the power. ● When only [Door locked] display light is on and the buttons does not work, please release the door lock and cool up the wash tub. (P. 16) ● If the operation portion does not display [0], turn off the power and proceed with operation. ● When setting the [Time (min)]
	During cleaning and maintaining, it is found that the Dry filter is moisture	<ul style="list-style-type: none"> ● When setting a shorter Dry time or stopping the Dry midway, there may be moisture, but it is not abnormal. Please hang to dry completely (to avoid generating mildew).
	The door cannot be opened	<ul style="list-style-type: none"> ● High temperature inside the wash tub ● Door lock setting functioning. (P. 16) ● Child safety lock setting functioning. (P. 16)
	Disturbing odour	<ul style="list-style-type: none"> ● The appliance (rubber or resin) may smell after purchase for certain period. This smell will disappear as time passes using the appliance. ● Take out the clothes immediately after the operation has finished. ● Clean the back side of the window seal. (P. 23) ● Wash the drum. (P. 24)
	Filter cleaning light flashing non-stop	<ul style="list-style-type: none"> ● Please clean the Dry filter, drain filter and push them back into their places after cleaning, and the filter cleaning light will go off.
Wash	Not seeing water during Wash	<ul style="list-style-type: none"> ● This is because the drum type Wash and Dry machine uses less water compared to automatic Wash machine.
	No water	<ul style="list-style-type: none"> ● Did you forget to turn on the water faucet? ● Is there a disruption of water supply? ● Is the water supply hose blocked by dirty objects? Please remove the water supply hose and clean the filter at the connection port of the water supply hose. (P. 35) ● When there is excessive foam, sometimes the water supply will temporarily stop.
	There is water but it is not stored.	<ul style="list-style-type: none"> ● Sometimes the machine does not store water and drain it immediately, so please do not open the door or put hot water into the wash tub. ● There may be a small amount of drainage when restarting.
	Supplying water midway	<ul style="list-style-type: none"> ● If the water level drops, the water supply will be automatically started. ● When the amount of clothes is high, the machine may supply water several times.
	Drainage midway	<ul style="list-style-type: none"> ● When there is too much foam, it will drain and supply water repeatedly to remove the foam. ● Draining midway through [Wash] during the [Intensive] program can prevent dirt from attaching onto clothes again. ● Use tub detergents containing interface active agent and proceed with [Drum clean] operation, then the foam may increase or drainage may happen midway. ● There may be a small amount of drainage when restarting.

Troubleshooting (continued)

- Check the following items before requesting service.


In the case of abnormality, contact the sales dealer immediately where you have purchased the appliance.

Symptoms		Check the following
Foamwash, Detergent	Too little foam	<ul style="list-style-type: none"> ● Did you put synthetic powder detergent directly into the tank? → Be sure to put it into detergent box. ● Depending on the differences of water quality, water temperature and water level, sometimes it can affect the degree of foaming. ● Putting in too few detergent ● Types of detergents (low foam type detergent) ● Clothes are too dirty ● Putting too much clothes into the machine
	When there is too much foam, the inside of the door may be contaminated with foam	<ul style="list-style-type: none"> ● Depending on the differences of water quality, water temperature and water level, sometimes it can affect the degree of foaming. ● Putting in too much detergent ● Types of detergents (liquid neutral detergent)
	No foam	<ul style="list-style-type: none"> ● Did you put synthetic powder detergent directly into the tank? → Be sure to put it into detergent box. ● Depending on the differences of water quality, water temperature and water level, sometimes it can affect the degree of foaming.
	Softener overflowed	<ul style="list-style-type: none"> ● If the softener exceeds the MAX position of the detergent box, it will naturally flow out. (P. 12) ● When closing the detergent box, If you use too much force, it may spill over the machine body.
	Powder detergent is not completely dissolved	<ul style="list-style-type: none"> ● The powder detergent is directly put in the drum or liquid detergent compartment. → Be sure to put it in the powder detergent compartment of the detergent case. ● Depending on the brand, the detergent may be difficult to dissolve when water temperature is low. → Dissolve the detergent completely and put in the detergent case. ● Water is already in the drum. Or detergent was put in after water supply has finished. → Flush a cup of water into the detergent case. ● Lumps of detergent were put in the case or the detergent was put in the wet detergent case. ● The water supply filter is clogged with dust, interrupting smooth water flow. → Using water containing many impurities such as well water causes dust to accumulate. Clean the filter. (P. 35) ● Detergent, softener or water remain in the detergent case. → Clean the detergent case. → Turn on the water faucet further, and increase the amount of water supply. → Depending on the brand, some softeners may be difficult to flow. Dissolve the softener with the same amount of water completely and put in the compartment. (Softeners of some brands are solidified when mixed with a small amount of water and cannot be used.) ● In the [Soak] program, small amount of softener may remain. This is not a malfunction. ● Softener is stuck to the detergent case. → Remove the cover and clean the tube of the case with a soft cloth or cotton-tipped stick. <div style="text-align: center;">  </div> <p>→Remove the cover and clean the back side and tube of the cover with a soft cloth or cotton-tipped stick.</p> <div style="text-align: center;">  </div>

Troubleshooting (continued)

- Check the following items before requesting service.


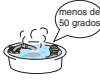




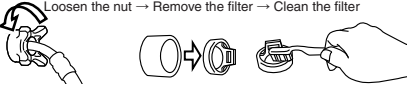
In the case of abnormality, contact the sales dealer immediately where you have purchased the appliance.

		Symptoms	Check the following
Dry	<p>The Dry time is too long</p> 	<p>Please check the status of installation.</p> <ul style="list-style-type: none"> ● Is the drain hose elevated in the middle? ● Is the back of the body rested against the wall? Please leave 10 cm or above from the walls. ● Is it installed in a closed and narrow place? ● Is the water faucet turned on during Dry? (Please turn on the water faucet during Dry operation.) ● Is the water supply hose connected to a hot water hose? ● Is there too many clothes? →Please do not exceed 8.0 kg ● When only [Dry Mode] operation is underway, did you untie the clothes after spinning before putting them into the machine again? ● Did you clean the Dry filter? (P. 22) → When the [filter cleaning] light is flashing, please be sure to clean the Dry filter. Please confirm that gentle cleaning cycle is on. ● When the [Fluffy] indicating light is flashing, it means that the Dry cycle is completed. Please open the door and remove the clothes. When Dry cycle is operating, it has auto dryness detection function, so it is normal if the actual Dry time is different from the displayed time. 	
	<p>After the Dry operation is completed, there are water droplets on the door and wash tub.</p>	<ul style="list-style-type: none"> ● Did you put in excessive clothes or too many thick clothes? Is the mesh of Dry filter blocked? (P. 22) ● Is the [spinning time] set too short? 	
	<p>Not completely dry/ uneven Dry (some clothes are not completely dry after the Dry operation).</p>	<ul style="list-style-type: none"> ● Did you switch the spinning time for the operation? If spinning is operated for 3 minutes or less, the Dry may be uneven depending on the differences of clothes. The insufficient spinning is the same as wringing clothes with their hands. ● Did you mix clothes that are easy to dry with ones that are difficult to dry? ● Did you wash thickness clothes that are difficult to dry with cycles other than [Intensive]? For [Intensive] cycle, if all clothes are thick or there are too many clothes for Dry, uneven Dry can still happen. ● When only [Dry Mode] operation is underway, did you untie the clothes after spinning before putting them into the machine again? 	
	<p>Severe wrinkles</p>	<ul style="list-style-type: none"> ● Whether the laundry for Dry is excessive? ● When only [Dry Mode] operation is underway, did you untie the clothes after spinning before putting them into the machine again? ● If you increase Wash time or number of rinsing, the clothing will easier intertwine and wrinkles will become more serious. If you are concerned, then, separate the clothes that are tied up after spinning ● Select the proper Wash cycle. (P. 8) 	
	<p>Draining during Dry</p>	<ul style="list-style-type: none"> ● When Dry, drum-type Wash and Dry machine uses dehumidification Dry, and dehumidification Dry requires water for cooling and dehumidifying, so continuous drainage during Dry is normal. 	
	<p>After Dry, the clothes will feel a bit warm and humid.</p>	<ul style="list-style-type: none"> ● This is because the drum type Wash machine is using dehumidification Dry mode, so if you remove clothes immediately after Dry, a slight sense of warm and humid when touching with your hands is normal. 	

Troubleshooting (continued)

Symptoms		Check the following
Display	Wash time is longer than the display time	<ul style="list-style-type: none"> ● If the clothes lean to one side, for the machine to automatically correct the balance, the operation time will become longer. It especially prone to happen when there is too much or too little laundry. ● Please inspect the drain hose and outfall. (P.30 [U11]) ● In the following situations, the operating time will become longer. (to eliminate the excessive foam during Wash). <ul style="list-style-type: none"> • Too much detergent • Using detergent with lots of foam • Clothes with small amount of dirt → Reduce the amount of detergent used
	Remaining time is different from displayed time	<ul style="list-style-type: none"> ● The displayed time is estimated Normal value and is slightly different from actual time. ● To avoid clothes from becoming stiff, you may also fluffy the clothes for a bit longer after spinning is completed. Therefore the remaining time and display will be very different. ● It will automatically select the operation time basing on the dryness of clothes, and it is not malfunction.
	The remaining time is [0] but it keeps running.	<ul style="list-style-type: none"> ● Even when you stop the [Fluffy] operation, to cool down the inside of wash tub, it will blow air inside before the door is opened (maximum 2 hours). (operating time depends on room temperature and blockage of Dry filter mesh) Even when it is blowing air inside the tank, you can still open the door and remove the clothing.
	The water volume is set to [high], but the water volume does not change	<ul style="list-style-type: none"> ● When there are lots of foam it might not change (to avoid foams from spilling)
Sound	Sound changes during Dry	<ul style="list-style-type: none"> ● This is because the rotation speed will change basing on the amount of laundry and degree of dryness, so the operation sound will also change, and it is not abnormal.
	There is still sound of fans after operation stops.	<ul style="list-style-type: none"> ● When the door lock is released during the Dry operation, the fan will continue to blow for cooling purpose between releasing the lock until the door is opened.
	The product gives a pop-pop sound during spinning or Dry.	<ul style="list-style-type: none"> ● This is because of the change of air pressure inside the wash tub, so it is not a malfunction.
	It give a cha-cha sound of water flow when you shake the wash tub.	<ul style="list-style-type: none"> ● This is the sound of liquid injected into the Wash tub to keep balance during spinning.
	Strange noise Big vibration	<ul style="list-style-type: none"> ● Are the fixing screws (for packaging) removed? Is the body is mounted horizontally on a solid surface? →Please check with the dealer where you purchased the product from. ● Is it mixed with metal clips or other foreign matter?
	Open the drain filter	Opening the drain filter during Wash cycle will give leakage.

Troubleshooting (continued)

Symptoms		Check the following
Others	When the breaker trips (fuse / protector trips)	<p>Stop operation. It will not operate again even if the energy is back.</p> <ul style="list-style-type: none"> ● If the breaker trips during the Wash process, please identify the causes and take action, then reset the breaker, press the power [on] to start operation again. ● If the breaker trips during the Dry process, please identify the causes and take action, then reset the breaker, press the power [on] to release the door lock. Restart operation after cooling down. (P. 16)
	Power outage	<ul style="list-style-type: none"> ● The operation will stop, and it will not operation even after the energy is back. Please press power [on] and reset to start operation (if the door cannot be opened P. 16)
	Turbid water when disruption of water supply	<ul style="list-style-type: none"> ● After the disruption of water supply, there may be turbid water coming out. Please remove the hose temporarily to let the turbid water completely comes out from the water faucet before Wash again.
	Water supply hose is frozen	<ul style="list-style-type: none"> ● Heat up the connector, water supply hose and Wash tub with the following steps <ol style="list-style-type: none"> 1. Use hot towel wrap connecting portion  2. Remove the water supply hose and soak it in warm water  3. Add 2-3L of warm water in wash tub 
	The water supply is little	<ul style="list-style-type: none"> ● Maintain the water supply filter with the following steps. <ol style="list-style-type: none"> 1. Turn off the faucet 2.  Turn on the power 3.  Start → drain the water inside the hose after about 1 minute 4.  Turn off the power 5. Loosen the nut 6. Remove the filter 7. Clean the filter ● If you use well water → impurities, prone to debris accumulation, it needs regular cleaning. 

Program Details

- Required operation time may become longer depending on the type of clothes and how the clothes are distributed.

Program	Program contents	Capacity (under)	Time required (approx.)	Set Timing automatically			
				Wash	Rinsing	Spinning	Dry
Normal	Wash+Dry	8 kg	3 h 15 min to 5 h 16 min *1	15 to 20 min *2	storage twice	15 min or more	Normal *3
	Wash	17 kg *4	46 to 57 min *2	15 to 20 min *2		6 min	—
Normal + Eco Soak	Wash+Dry	8 kg	3 h 45 min to 5 h 46 min *1	47 min (include soak)	storage twice	15 min or more	Normal *3
	Wash	17 kg *4	1 h 16 min to 1 h 27 min	15 to 20 min		6 min	—
Intensive	Wash+Dry	8 kg	3 h 27 min to 5 h 25 min *1	30 min	refill twice	15 min or more	Normal *3
	Wash	17 kg *4	1 h 05 min to 1 h 10 min	30 min		6 min	—
Silent wash	Wash+Dry	8 kg	3 h 17 min to 5 h 25 min	15 min *1	storage twice	15 min or more	Normal *3
	Wash	17 kg *4	55 min to 1 h 02 min	15 min		10 min	—
Quick	Wash	8 kg	37 to 43 min	7 to 10 min	refill twice	3 min	—
Bedding	Wash+Dry	4 kg	4 h 44 min	15 min	refill 3 times	15 min	Normal *3
	Wash	5 kg	1 h 29 min	15 min		3 min	—
Gentle Hand Wash	Wash	1.5 kg	44 min	15 min	refill 3 times	3 min	—
Super Soak	Wash+Dry	2 kg	8 h 56 min to 11 h 06 min *1*9	6 h (include soak)	refill 3 times	15 min	Normal *3
	Wash	2 kg	6 h 55 min	6 h (include soak)		6 min	—
Wash	Wash+Dry	4 kg	3 h 47 min to 5 h 40 min *1	54 min *6	storage twice	15 min or more	Normal *3
	Wash	17 kg	1 h 28 min	54 min *6		15 min	—
Hygiene	Wash+Dry	2 kg	4 h 24 min to 6 h 17 min *1	1 h 50 min*6	storage twice	15 min or more	Normal *3
	Wash	17 kg	2 h 19 min	1 h 50 min *6		15 min	—
Drum Clean	Wash	—	2 h 24 min*5	1 h 23 min (include soak)	refill 4 times	3 min	—
Drum Dry	Dry	—	30 min	—	—	—	30 min

- When [Fluffy] is set, Fluffy will operate for 2 hours after Dry.
- It will automatically set the wash time according to the capacity. Use [Normal] cycle with ECONAVI setting for operation, and the wash time will be automatically changed basing on the amount of dirt.
- Proceed with Fluffy after completion.
- According to maximum capacity of each model. (P. 47)
- If [Auto Drum Clean] is set – 2 h 24 min; no [Auto Drum Clean] is set – 3 h 04 min (increasing wash time)
- Automatically select wash time basing on water temperature.
- The [Wash] best washing capacity is 4 kg.
- The [Hygiene] best washing capacity is 2 kg.
- "—" displays in case remaining time is greater than 10 hours.

When [Dry Mode]

● Time required (approx.)

Dry mode	Time
Normal	2 h to 4 h 10 min
Extra Dry	2 h 30 min to 4 h 30 min
Gentle Dry	1 h 40 min to 4 h
Drum Dry	30 min

Setting range of Timing operation


Operation contents	Program	Setting range
Wash	Super Soak	After 9 - 24 h
	Hygiene	After 3 - 24 h
	Wash	
	Other Program	After 2 - 24 h
Wash+Dry	Normal	After 7 - 24 h
	My Favorite	
	Silent wash	After 10 - 24 h
	Super Soak	
Other Program	After 7 - 24 h	

Regarding rinsing

- "Water injection rinsing" means repeatedly injecting and draining after storing water, and Wash while changing the water.
- "Water storing rinsing" means rinsing after storing water.

Note

- Water volume [Extra High] please press

 to select

Switching range						
Temperature	Water volume	Wash	Rinsing	Spinning	Dryature	
30 °C Cold Water	Extra High ↕ Extra Low	7 to 30 min	Inject 4 store 4 Inject 3 store 3 Inject 2 store 2 Inject 1 store 1	3 to 15 min	Normal Extra Dry Gentle Dry Timed Dry	
				1 to 15 min	—	
	Extra High ↕ Low	7 to 30 min		3 to 15 min	Normal Extra Dry Gentle Dry Timed Dry	
				1 to 15 min	—	
	Extra High ↕ Low	—		6 to 15 min	Normal Extra Dry	
				1 to 15 min	—	
	Extra High ↕ Extra Low	7 to 30min		10 to 15 min	Normal Extra Dry	
				1 to 15 min	—	
	Extra High ↕ Extra Low	7 to 30min		1 to 15 min	—	
	Extra High / High	15 to 30min		Inject 4 Inject 3 Inject 2 Inject 1	10 to 15 min	Normal
						1 to 15 min
—	Extra High ↕ High	7 to 20min		1 to 3 min	—	
40 °C	Middle ↕ Extra Low	—	Inject 4 store 4 Inject 3 store 3 Inject 2 store 2 Inject 1 store 1	3 to 15 min	Normal Extra Dry	
				1 to 15 min	—	
40 °C	Extra - High ↕ Extra Low	—	Inject 4 store 4 Inject 3 store 3 Inject 2 store 2 Inject 1 store 1	3 to 15 min	Normal Extra Dry	
				1 to 15 min	—	
60 °C	Extra - High ↕ Extra Low	—	store 2	15 min	Normal Extra Dry	
				15 min	—	
—	High	—	inject 4	3 min	—	
—	—	—	—	—	—	

Changing the settings

■ Changing each setting

1



Turn the power on

2



Select [Drum Clean]

3



Press for 3 seconds
000 will display.

A

Disable ECONAVI operation

4



Use to set ECONAVI operation

Each press will switch to the next option
Light on: Proceed with ECONAVI operation (when purchase)
Light off: Bypass ECONAVI operation

5

Press

(Beep sounds for six times, the setup is completed.)

B

Change the number of rinsing for [Quick] cycle to 1

4



Use to set the number of rinsing for

Each press will switch to the next option.
2 Twice (when purchase)
1 ronda Once

5

Press

(Beep sounds for six times, the setup is completed.)

● If it is set [Once], the ECONAVI operation will not be proceeded.

C

Disable [Auto Drum Clean]

4



Use to set [Auto Drum Clean] during cycle.

Each press will switch to the next option.
Light on: Proceed with Auto Drum Clean during cycle (when purchase)
Light off: Do not proceed with Auto Drum Clean during cycle

5

Press

(Beep sounds for six times, the setup is completed.)

● will increase for about 5 minutes.

D

Cancel the Fluffy operation at the end of Dry

4



Use to set the Fluffy operation after Dry.

Each press will switch to the next option.
Light on: Proceed with [Fluffy] after dry
Light off: Do not proceed with [Fluffy] after dry (when purchase)

5

Press

(Beep sounds for six times, the setup is completed.)

E

Disable the buzzer sound at the end of the operation.

4



Use to set the buzzer sound.

Each press will switch to the next option.
Light on: Beep with operation is completed (when purchase)
Light off: Do not beep with operation is completed

5

Press

(Beep sounds for six times, the setup is completed.)

Installation

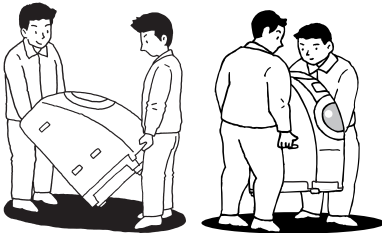
To servicing personnel

- To achieve optimum performance of the appliance, read these installation instructions carefully and install the appliance properly and safely.
- After installation, be sure to confirm normal operation based “Checking after installation”.
- The removed fixing bolts for transfer and the included spanner are necessary when transferring, etc. Give them to the customer.
- Give these installation instructions to the customer after installation has finished.
- If the installation is not carried out following these installation instructions, Panasonic will not be liable for any accident or damage that may occur.

To customer

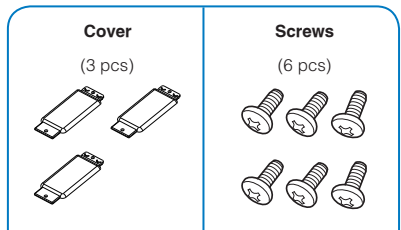
- Please keep these installation instructions with “Operating Instructions” in a safe place in case of reinstallation due to drain cleaning or relocation even after the installation has finished.

■ Be sure to have 2 people carry the appliance.



■ Do not push the centre of the door with force (with knee, etc.) when tilting the appliance for installation. (The door will deform.)

■ Accessories (only ones required for installation are listed).



Accessories	<p>1 Water supply hose for COLD (Blue line)</p>	<p>Spanner</p> <p>(1 pc.)</p> <p><small>*For disassembly or packing to fix bolts.</small></p>	<p>Bottom cover</p> <p>(1 pc.)</p>	<p>Adjustable stand pad</p> <p>(3 pcs.)</p>

■ Entrust the installation of the product to our dealer or service agent.

■ Properly operate and use the product with regular maintenance and inspection. If there is any abnormality or malfunction, please call the Panasonic service personnel for repair to avoid the malfunction or damage from getting more serious.

⚠ WARNING

Do not install this product in places where moisture is heavy or it is exposed to rain and wind. (such as bathroom or balcony) (to prevent electric shock or fire.)

Do not install this product near heat sources (gas stove, water heater, etc.) and keep a distance of at least 1.5m to reduce the chance of fires.

⚠ WARNING

Do not use power source other than rated voltage / frequency.

- Do not use multiple sockets to avoid danger.
- Do not crush, bundle, bend or stretch the power cord. If it is damaged, it must be replaced by service personnel of Panasonic to avoid danger.

Prohibited

1. Preparation before Installation

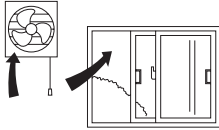
1 Check the installation location.

■ Avoid the following locations for installation.

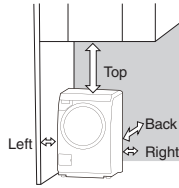
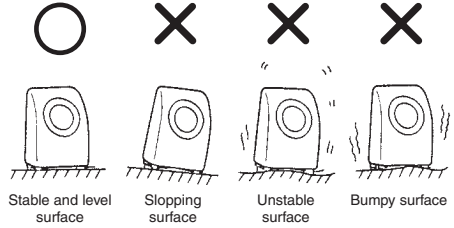
- Location where water may get frozen in winter (Washing cannot be done with frozen water.)
- Location exposed to direct sunlight
- Location where there is no window or ventilation fan
- Uneven or unstable location (on blocks, timbers, bricks, table with wheels attached, etc.)
- Slippery location such as tile

Adequate ventilation

To maximize product performance, please ensure ventilation is sufficient during operation.



If ventilation is insufficient, the window and groove wall may have some condensation or drying time will become longer depending on the temperature differences.



Side	Distance (cm)
Top	20
Left	15
Right	5
Back	10
Bottom	0

The front side should be kept open

- When installing in an enclosed area, keep the front open and secure gaps from walls and ceiling with the indicated dimensions or more.

Note

- Do not allow the opening of the bottom of main unit to be blocked by carpet, etc.
- Do not allow lint, etc. to accumulate around the main unit.

Do not allow the metal parts of the main unit to electrically make contact with metal board in the house, stainless board at the sink, etc.

2 Confirming the power and ground wire

■ When there is ground terminal on the power outlet:

- Confirm the grounding resistance (under 100 Ω)
- You must have a leakage circuit breaker. If you do not use a power supply circuit leakage circuit breakers, be sure to install one.
- Do not connect to a gas pipe or water pipe, or the grounding circuit of a lightning rod, or telephone, or grounding circuit of other products equipped with a ground circuit breaker.
- When changing the installation place or moving, be sure to re-install the ground wire.



CAUTION



Use a dedicated socket rated at 15 A.

(Using in combination with other appliances may cause fire due to heat generation.)

- This appliance incorporates a dryer, thus requires a socket rated 15 A or more.
- Never use an extension cord with multiple outlets to avoid danger



Do not use damaged power cord or loose electrical outlet.

Or it could cause electric shock, short circuit, or fire.

Power plug must be securely inserted into the position.



If the plug is not inserted to the end, it may result in electric shock or cause a fire due to heat.

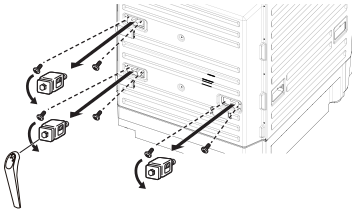
When unplugging the power plug, be sure to hold the power plug rather than pulling the power cord.

Or it could cause electric shock, short circuit, or fire.

- If the power is damaged, it must be replaced by Panasonic service personnel to avoid danger.

2. Removing the fixing bolts for transfer and attach the cover

To prevent abnormal vibration!



1 Remove the fixing bolts for transfer using the included spanner.

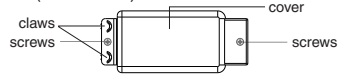
Remove the 3 fixing bolts for transfer that have fixed inside the appliance. If the appliance is used without removing the bolts, vibration may increase or the appliance may move, causing danger.

Note

- The removed fixing bolts for transfer and the included spanner are necessary when transferring, etc. Give them to the customer.

2 Attach the included cover with the screw.

Insert the claw of the cover to the hole and fix with the screw. (3 locations)



CAUTION



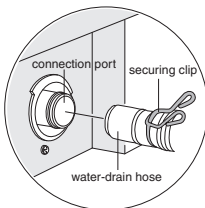
Be sure to attach the cover.
(To avoid injury caused by the edge).

- When transporting the main unit, attach the bolts in the reverse procedure. Remaining water may spill from the inside the main unit. Carry the appliance with the drain hose propped up against the main unit.

3. Connect the water hose

Connecting the water hose

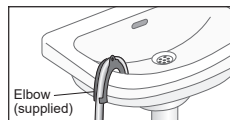
1 Connect the water hose to the connection port



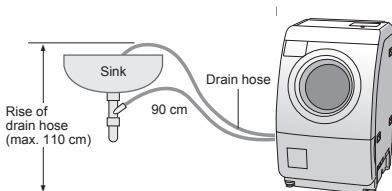
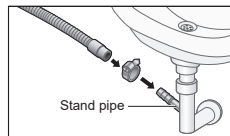
■ Draining to a sink or wash basin

CAUTION

Secure the drain hose with an elbow so that it does not come off due to water pressure during drainage.



■ Draining to a stand pipe



4. Connect the water supply hose fitting and water supply hose

1 Press the other end of the water supply hose connected to the washing machine straight against the cold water faucet, and tighten the nut clockwise with your hand.

Note

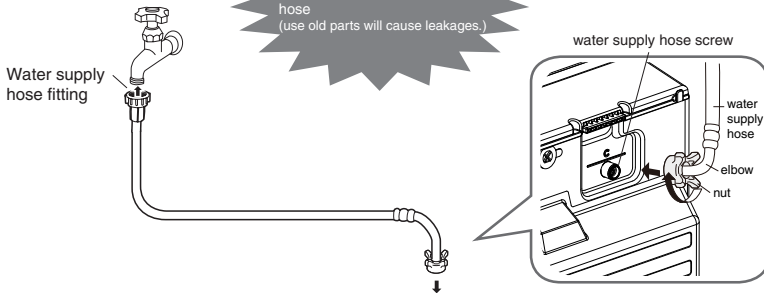
For easy path of the water supply hose, after deciding the position of the elbow part, lock the nut straightly and firmly until the end
(Not locking firmly will cause leakage)
When installing the water supply hose, please keep proper length and do not over-pull to prevent leakage

2 Likewise, connect the other end of the water supply hose connected to the washing machine to the hot water faucet.

- Turn on the water faucets to check that water leaks from neither the water supply valves of the washing machine nor the water faucets.

Note

Must install a brand new water supply hose fitting Water supply hose (use old parts will cause leakages.)



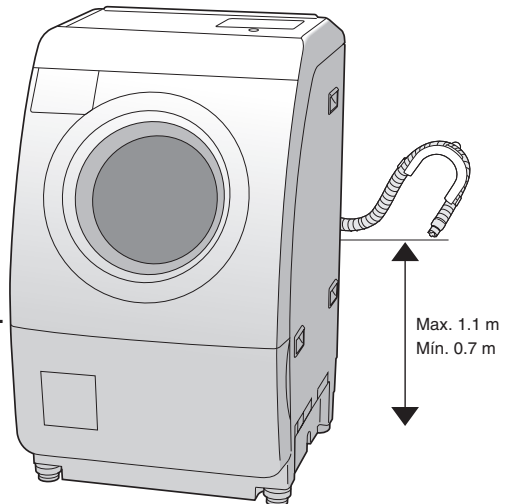
■ How to remove the water supply hose

1. Turn off the water faucet.
2. Close the door, turn the power ON, and then press start to drain the water inside the pipe.
(to prevent the water from scattering)
3. Turn off the power after about 1 minute.
4. Push the fixing rod downward, pull down the lid, then remove the water supply hose.

■ **Do not use [Stain Master⁺] when drying.**
as it cannot proceed with cooling and dehumidifying, and the clothes cannot be dried.

■ **Turn on the water faucet even when drying**

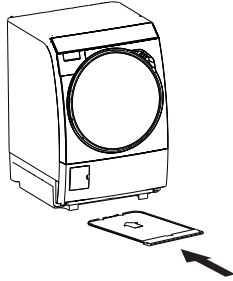
It requires water for cooling and dehumidifying, so if the water faucet is turned off it cannot dry clothes.



5. Installing the mute rodent board

■ Installing the mute rodent board

After removing the mute rodent board from the front side of the washing machine, insert it into the groove at the bottom of the mute base until it is perfectly aligned. (As shown below)



The side of the mute rodent board with arrow icon should face upward. Insert it into the groove of the mute base with the arrow icon faces backward until it is perfectly aligned.

6. Levelling the appliance

Look at the leveller



Horizontal

Adjust the tilt.

No adjustment needed.



Right side higher

Lower the right side or raise the left side.



Left side higher

Lower the left side or raise the right side.



Rear side higher

Raise the front side.
(2 locations)

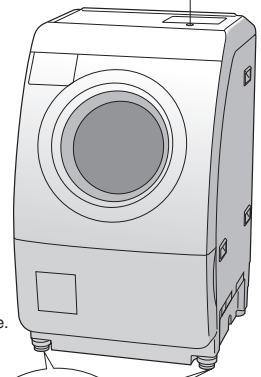


Front side higher

Lower the front side.
(2 locations).

To prevent abnormal vibration

level gauge



※ 2 adjustable feet are attached at the front side.

■ How to check rattling

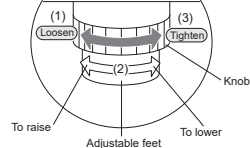
Push the diagonal corners alternately and confirm there is no rattling.

If the appliance rattles, select the height of the legs and check the leveller.



■ How to select the tilt

- (1) Turn to **loosen** to loosen.
- (2) Raise or lower to select the tilt.
- (1) Turn to **tighten** to fix.



7. Djust with balance adjustment chip (if necessary)

■ Instruction for use of balance adjustment chip

1. Occasions

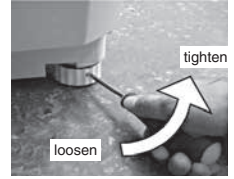
- When the bubble of the level gauge does not enter the internal standard line, use it to select the level.

2. Situation of use

- If the back side of body is low and front side is high, select the height of body by using balance adjustment chip on back feet.
- If the front side of body is low and back side is high, select the height of body by using balance adjustment chip on front feet.

3. How to use the balance adjustment chip

- Select the proper height below basing on the tilt height.



If the knob is difficult to lock after adjusting the level, insert a cross screwdriver into the knob hole and turn counterclockwise, then it will be tightened

(1)

Use single chip
(Use rubber gaskets)
(Adjustable height is 3mm)



Place it under the foot of the body.



(2)

Use 2 chips
(add plastic spacers to elevate)
(Adjustable height is 8mm)



Place it under the foot of the body.



※Note: Do not use plastic spacers alone.

8. Re-confirmation

1. Connect water supply hose

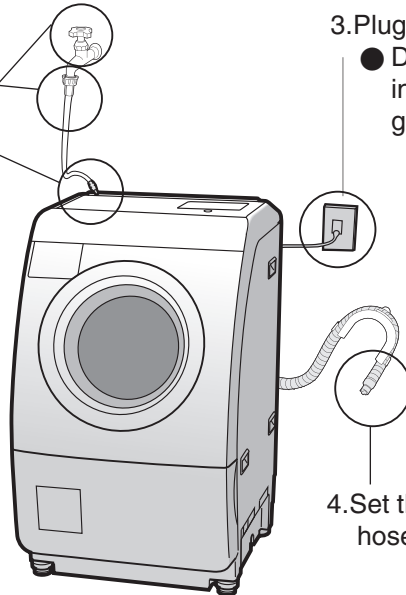
2. Turn on the water tap

- Water tap must be turned on even when Drying.

3. Plug the power plug

- Do not forget to install the ground wire.

4. Set the water-drain hose to drain state.



9. Inspection and Test Run after Installation

- Do not put anything into drum, make sure that "there is no water leakage, abnormal sound, or vibration" and "it can drain properly."

How to test run

- ① Make sure that the transport fixing bolts are removed then install the lids.
 - ② Turn on the water tap and close the door.
 - ③ Press **توقف** Off + **تشغيل** On, and press **تشغيل** On
 - ④ Press **مغسلة** Dry Mode
 - ⑤ When **888** shows, press **برنامج الغسيل** Wash Program
- Press Start (automatically ends in about 4 minutes.)

- Whether there is abnormal sound, vibration? → Check the level.
- Is there a leakage? → Connect pipes correctly.
- When there are below abnormalities, it will issue an error report.

U10※1 Are packaging bolts at back of your product removed?

U11※1 Is the water-drain hose correctly connected?
 • Is the drain port blocked?

U14※1 Is the water supply hose connected and water tap turned on?

※1 After the error status is released, by pressing **تشغيل** On, the test run will resume.

10. Inspection by safety test personnel

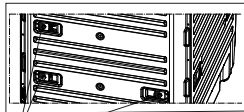
Test Item

Please check the following items after installation and do a test run. After checking, be sure to sign and explain to the customer about the completion of installation.

Inspection Signature _____

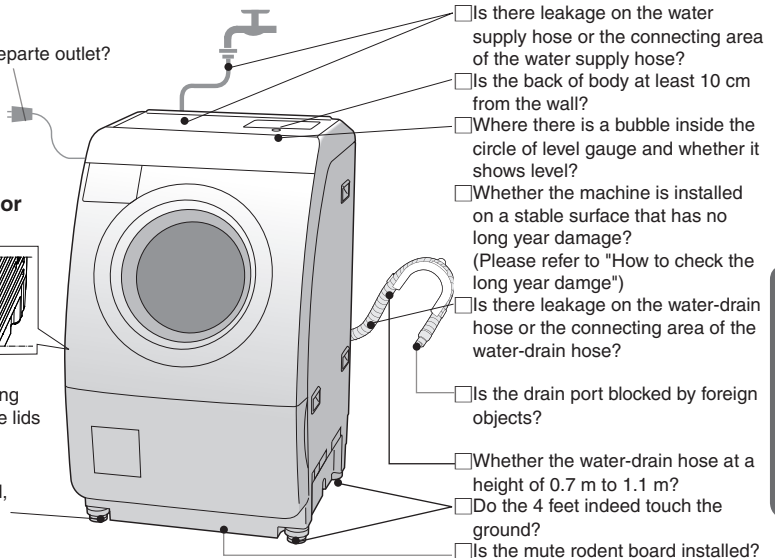
Is the power using a separate outlet?

Causes of vibration or abnormal sound.



Are the 3 transport fixing bolts removed? Are the lids installed?

Are the feet (4) twisted, crooked or deformed?



Is there leakage on the water supply hose or the connecting area of the water supply hose?

Is the back of body at least 10 cm from the wall?

Where there is a bubble inside the circle of level gauge and whether it shows level?

Whether the machine is installed on a stable surface that has no long year damage?
 (Please refer to "How to check the long year damage")

Is there leakage on the water-drain hose or the connecting area of the water-drain hose?

Is the drain port blocked by foreign objects?

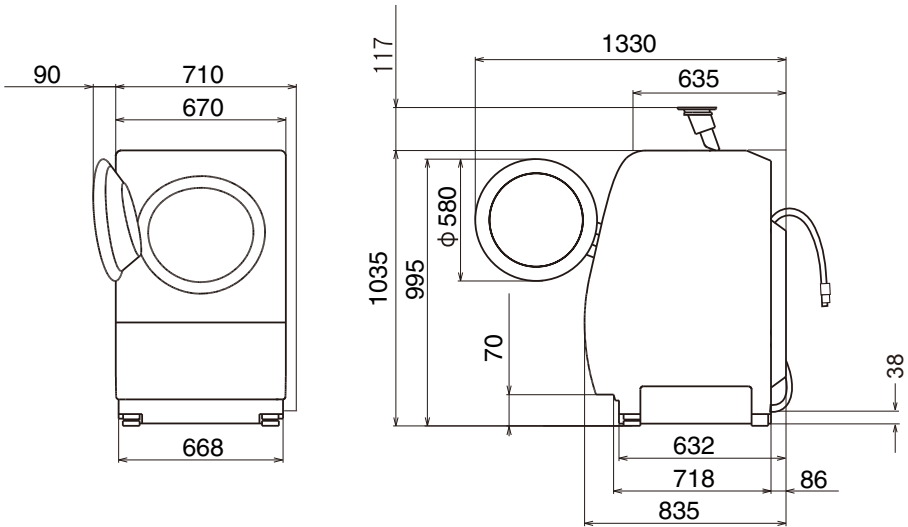
Whether the water-drain hose at a height of 0.7 m to 1.1 m?

Do the 4 feet indeed touch the ground?

Is the mute rodent board installed?

11. Product dimensions (Unit: mm)

(Washer Dryer)
NA-S178X1



For emergency:

When an abnormality or malfunction occurs, you should immediately stop using and unplug.

(To prevent smoke, fire, or electric shock)

Examples of abnormality or malfunction:

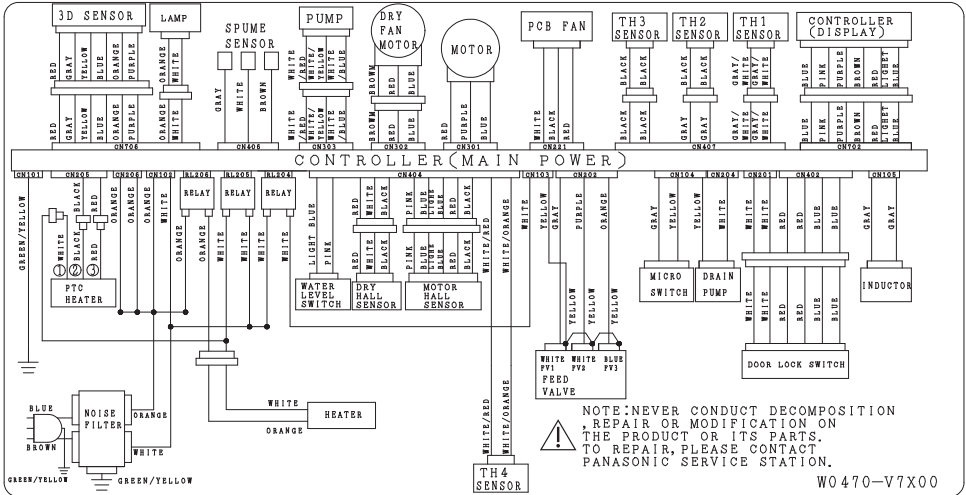
- Even if power cord is plugged, the switch sometimes will not work.
- When plugging and unplugging the power cord, sometimes there is energy and sometimes there isn't.
- There is a burning smell or abnormal sound during operation.
- The body has deformed or has abnormal heat.

(Contact Panasonic service station immediately for inspection, repair)

Specifications

Specification

Model name	NA-S178X1LSA	NA-S178X1LAS
Rated voltage	220 V	220 V~240 V
Rated frequency	60 Hz	50 Hz
Maximun Power consumption (Wash)	330 W	
Maximun Power consumption (Heated Program)	950 W	1000 W
Maximun Power consumption (Dry)	1100 W	1200 W
Maximun Rated current (Wash)	3 A	
Maximun Rated current (Heated Program)	4.5 A	
Maximun Rated current (Dry)	5 A	5.5 A
Product dimeensions (WxDxH)	W 670× D 835× H 1035 (mm)	
Product weight	104 kg	
Maximum wash capacity (Dry clothes)	17 kg	
Maximum warm wash capacity (Dry clothes)	17 kg	
Maximum spin capacity (Dry clothes)	17 kg	
Maximum dry capacity (Dry clothes)	8 kg	
Normal water volume	49 L	
Annual Water Consumption	26840 Liters	—
Annual Energy Consumption	276 kWh	—
Water presure	0.02 MPa ~ 1 MPa (0.2 kgf/cm ² ~ 10 kgf/cm ²)	



Service Warranty Exclusions

■ Sites or purposes outside of general household use:

For sites such as barber shops, beauty salons, nursing homes, hospitals who use the product more times than general household on a daily basis, even when the product is still under warranty, in principle we shall charge a service fee for maintenance.

Checking and verifying the product during long-term use

<p>Does the product have symptoms on the right side?</p>	<ul style="list-style-type: none"> ● The power cord or plug is abnormally hot (heat). ● Burning or stinking smell, abnormal sound or abnormal vibration during operation. ● Spinning cannot stop properly. ● Leakage (water supply hose, drain hose, etc.) ● When touching the product you feel numb or leakage. ● Other abnormal failure 		<p>If the product has any listed symptom, to prevent malfunction or accident, please unplug the product and contact your nearest Panasonic service personnel to check or repair the product.</p>
--	---	--	--

Panasonic Corporation
<http://www.panasonic.com>
 © Panasonic Corporation 2018

Printed in Taiwan
 W0918-0
 W9901-S7E10