nilson

USER MANUAL
DRYING MACHINE



NSB800E

Read this manual carefully and keep it for future reference.

EXECUTIVE STANDARD

IEC 60335-2-11:2019

IEC 60335-1:2010,IEC 60335-1:2010/AMD:2013

IEC 60335-1:2010/AMD2:2016

IEC 60335-1:2010+A1:2013+A2:2016

EN 60335-2-11:2010+A11:2012+A1:2015+A2:2018

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019

EN 62233:2008

WARNING

Warning



CAUTION!

Read the instruction manual before using this product!

- Refrigerant must be disposed of professionally as they may cause eye injuries or ignition. Ensure That tubing of the refrigerant circuit is not damage prior to proper disposal. When disposing of the appliance, do so only at an authorized waste disposal centre. Do not expose to flame.
- 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.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- That the tumble dryer is not to be used if industrial chemicals have been used for cleaning.
- That the lint trap has to be cleaned frequently, if applicable.
- That lint must not to be allowed to accumulate around the tumble dryer (not applicable for appliances intended to be vented to the exterior of the building).
- That adequate ventilation has to be provided to avoid the back flow of gases into the room from appliances burning other fuels, including open fires (this instruction is not required if the tumble dryer discharges the air into the room).
- Items that have been soiled with substances such as cooking oil, acetone, alcohol, petrol, kerosene, spot removers, turpentine, waxes and wax removers should be washed in hot water with an extra amount of detergent before being dried in the tumble dryer.
- Items such as foam rubber (latex foam), shower caps, waterproof textiles, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the tumble dryer.
- Fabric softeners, or similar products, should be used as specified by the fabric softener instructions.
- Remove all objects from pockets such as lighters and matches.
- Fill steam generators only with liquids specified by the manufacturer.

- Oil-affected items can ignite spontaneously, especially when exposed to heat sources such as in a tumble dryer. The items become warm, causing an oxidation reaction in the oil. Oxidation creates heat. If the heat cannot escape, the items can become hot enough to catch fire. Piling, stacking or storing oil-affected items can prevent heat from escaping and so create a fire hazard.
- If it is unavoidable that fabrics that contain vegetable or cooking oil or have been contaminated by hair care products be placed in a tumble dryer they should first be washed in hot water with extra detergent - this will reduce, but not eliminate, the hazard.
- For appliances with ventilation openings in the base, a carpet must not obstruct the openings.
- 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.
- WARNING: Never stop a tumble dryer before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.
- WARNING: 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.
- Children of less than 3 years should be kept away unless continuously supervised.



⚠ CAUTION

- To ensure the dryer correct and safe use, please read this manual carefully before installation and use for the first time. In order to avoid unnecessary errors and accidents, every user should be fully familiar with the operation and safety of the

machine. Please keep this manual properly and attach it to it when handling or reselling, so that each user can use the machine correctly and safely.

- The company will not be responsible for any failure and loss caused by non-compliance with the installation instructions.

IMPORTANT SAFEGUARDS

- During use, please pay attention to the safety precautions, and use common sense to operate cautiously. The Company will not be responsible for any loss caused by improper use.
- The hazard or damage degree that may be caused by incorrect operation shall be classified and described with the following icon.



Warning: Violation of identification items may cause serious casualties.

Caution: Violation of the identification items may cause minor personal injury or material damage.



This icon indicates the prohibited operation.



This icon indicates what must be done.



WARNING!

To avoid a fire hazard, do not dry flammable articles, or items containing foam, rubber or material on which you have used a cleaning solvent or which

contains flammable liquids or solids (such as petrol, kerosene, vegetable or cooking oils, waxes, etc.).



Indicates warnings and cautions.

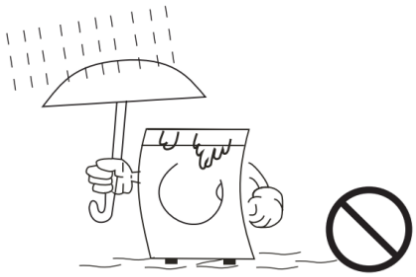
- This product belongs to Class I appliances. Please pay attention to electricity safety when using

1. This machine uses a single-phase two-pole grounded power outlet, the outlet must be reliably grounded, and the grounding terminal should not be connected with gas pipelines, water pipes and other utilities.
2. Ensure that the cross-sectional area of power supply system wires can meet the normal electrical load requirements.
3. Ensure that the special socket is used separately. The socket shall be a product with national mandatory certification and must be able to carry more than 10A current. For the safety of you and your family, if there is any place in your home that does not meet the above requirements, it is strictly prohibited to use it.
4. In order to prevent errors in the installation and use of the socket and ensure the safety of electricity use, it is necessary to install the socket and connect the ground wire by a person with electrician knowledge.
5. If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified personnel to avoid danger.
6. It is not allowed to connect the ground wire with the live wire or the neutral wire, otherwise, the enclosure will be charged, which may cause electric shock hazard.

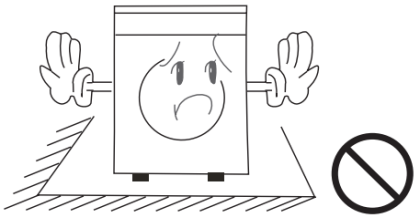
7. When the clothes dryer is no longer working, it is better to unplug the power plug from the socket to ensure safety.
8. This machine uses alternating current. When the voltage is within 10%, this machine can be used normally.
9. If the grounding leakage (grounding protection) circuit breaker is required, its symbol must be ⏚ . This symbol can ensure that the power plug matches the socket.

- For safe use, please use the original parts and accessories provided by the manufacturer.
- If the clothes dryer can no longer be used, please cut off the power cord and damage the door hook device. Waste electrical appliances should be disposed in the designated disposal center.
- If the material of the clothes is not suitable for drying with a clothes dryer, do not use this clothes dryer to dry.
- Do not dry clothes that have not been washed.
- If there is dust hazard (such as coal seam and rock powder), do not use the clothes dryer.
- Do not lean against the door, climb or sit on the dryer.
- If the ambient temperature around the clothes dryer is lower than 0 ℃, it may cause frost damage. In order to ensure that the clothes dryer can work better, the operating ambient temperature should not be lower than 5 ℃ or higher than 35 ℃.
- Do not let children play with packaging materials.

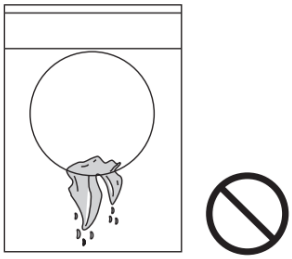
Indicates prohibited content



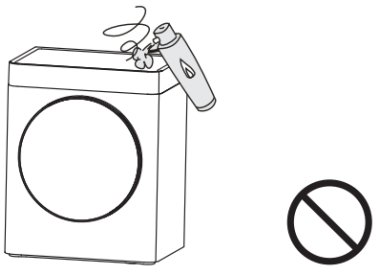
The clothes dryer cannot be installed in the open air or in a humid environment. If water gets wet or leaks into the clothes dryer, it must be ventilated and dried before use.



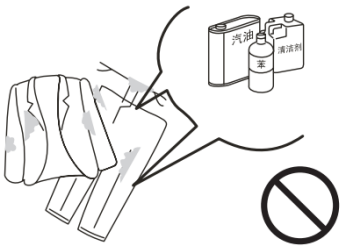
Please place the clothes dryer in a well ventilated place to avoid other accidents.



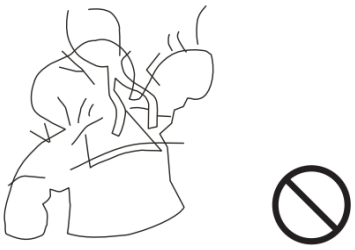
The wet clothes can be dried in the clothes dryer only after being dehydrated, so as to prevent water dripping onto the electrical parts to damage the clothes dryer and cause danger.



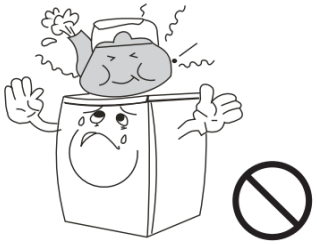
When the clothes dryer is working, do not use flammable sprays near the clothes dryer. When gas and flammable gas leak, do not plug or unplug the power plug and switch the machine.



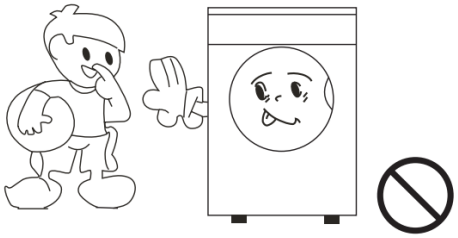
It is not allowed to dry clothes with flammable detergent, dry cleaning solvent, gasoline, banana oil and other chemicals.



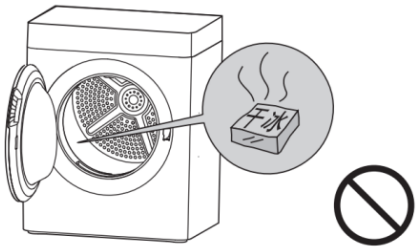
Do not dry raincoats, bicycle covers and other items containing rubber or similar elastic materials.



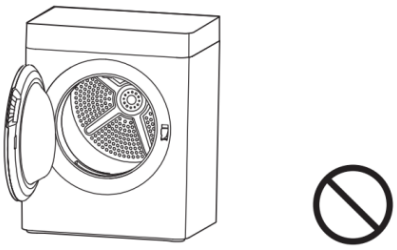
Do not put any hot and heavy objects (such as a kettle containing hot water) on the clothes dryer.



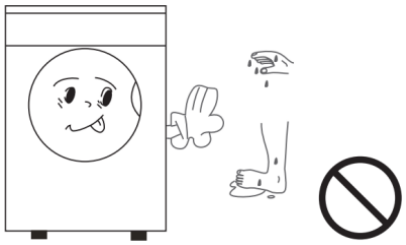
When the clothes dryer is working, for the sake of safety, unattended children or disabled persons shall not use the machine.



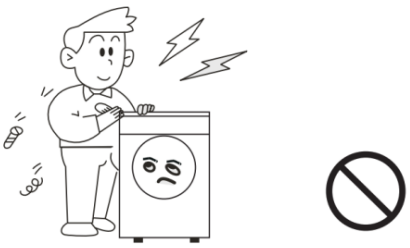
Do not store cigarettes, lighters, dry ice, gasoline or other flammable and explosive materials in the clothes dryer.



The door of the clothes dryer can only be opened after the procedure is completed. Remember not to open the door forcibly before this, so as to prevent the clothes dryer from overheating and scalding human skin.



Do not use this dryer when there is water on your hands and feet.



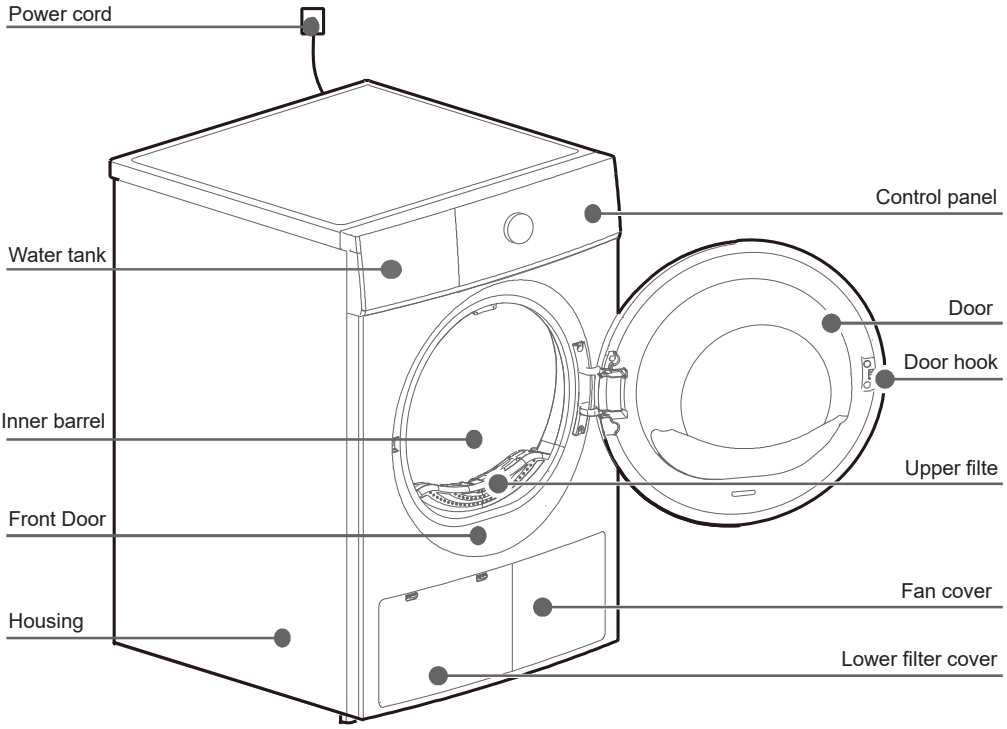
It is not allowed to disassemble, repair or refit the clothes dryer on its own.

Indicates mandatory content

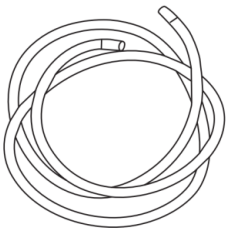
When the dryer works normally, do not unplug the power plug or switch the power supply. When not in use or cleaning, be sure to unplug the plug, and do not pull the power cord. Do not plug or unplug the power cord with wet hands.

PARTS DESCRIPTION AND LOADING LIST

1. Parts description



2. Loading list



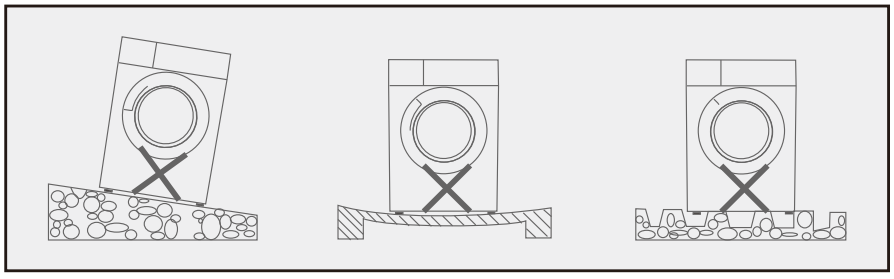
External water pipe *1

INSTALLATION METHOD

1. Installation notes:

- Check whether the dryer is damaged during transportation. The damaged dryer shall not be powered on. If any damage is found, please contact the seller.
- In the process of handling and using, the maximum tilt angle of the machine should not exceed 45 degrees. In case of tipping, please stand upright for 2 hours before power on.

- The dryer should be installed in a dry and ventilated environment. It should not be installed in a place where it is damp, full of steam and water (such as the bathroom, beside the tap of open balcony). It should not be placed in a place where there is a accumulation of cotton dust. It should not be placed in a place where there is direct sunlight.
- Please do not use stove, gas appliances, etc. near the dryer to avoid danger.
- It is suggested that the dryer and washing machine should be placed close to each other to facilitate the drying of clothes after washing and dehydration.
- Do not put the dryer in the place with more dust to avoid the accumulation of dust blocking the air duct of the dryer.
- Please remove all the packages of the dryer, and then place the dryer on a solid flat surface, not on blankets, supports, etc.
- During installation, adjust the foot to make the dryer place smoothly. Do not fill the gap between the foot and the floor with plush carpet or wooden strip to avoid interfering with the operation of the machine.
- Install at least 5cm away from other furniture or walls.



2. Install the dryer:



1) Adjust the base angle to make the dryer always in a horizontal level.

2) Connect the power supply.

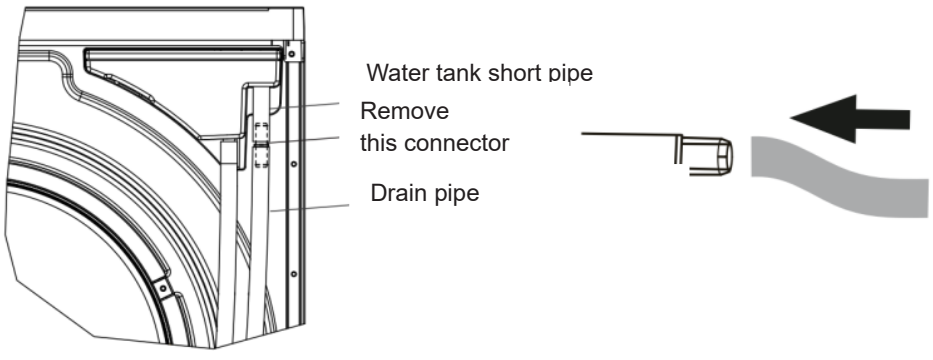
Check before connecting the power supply:

- the power supply voltage meets the requirements.
- The power socket should be consistent with the dryer plug.
- Whether the power socket can bear the maximum power of the dryer, the socket must be reliably grounded.

3) Installation of drainage pipe.

If the installation position of the dryer is convenient for drainage, the drain pipe in the accessory can be directly connected to drain the condensate into the floor drain. The water tank does not need to be cleaned after using this method, and the short pipe of water tank does not need to be removed and placed for standby.

- Pull off the drain pipe and connector connected to the rear of the machine.
- Connect the water pipe in the accessory with the drainage pipe pulled out through the connector.



Warning:

- The water pipe joint shall be firmly inserted.
- The height of the water pipe above the ground after connection shall not exceed 1m. If the water pipe is too long, it can be cut off.

- When unplugging the water pipe of the whole machine, be sure to pull it out at the plastic connector. If the original drainage needs to be restored, insert the connector back to the original position.

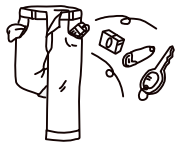
PREPARATION BEFORE DRYING

1. Check up.

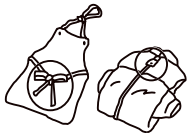
- ☑ Empty the water tank and install in its place.
- ☑ Clean the lint filter and install in its place.
- ☑ Check clothes for special drying requirements.

2. Pretreatment

- ☑ Clean the pockets and take out coins, sand, keys and other items.



- ☑ Take long knots on the clothes and tie them tightly. The buttons are fastened.



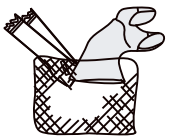
- ☑ Clothes should not be excessive. Please unfold and shake the clothes before putting them into the dryer.



- ☑ When drying clothes, in order to avoid the buttons of the clothes making noise, please turn the clothes with buttons over before putting them into the dryer.



- ☑ For vulnerable clothing, it is necessary to put it into the nylon net bag before drying.



3. COMMON SENSE AND APPLICATION SKILLS OF DRYER

1. The clothes should be put into the drum after being dumped dry. Increasing the dehydration speed can reduce the drying time, thus reducing the energy

consumption.

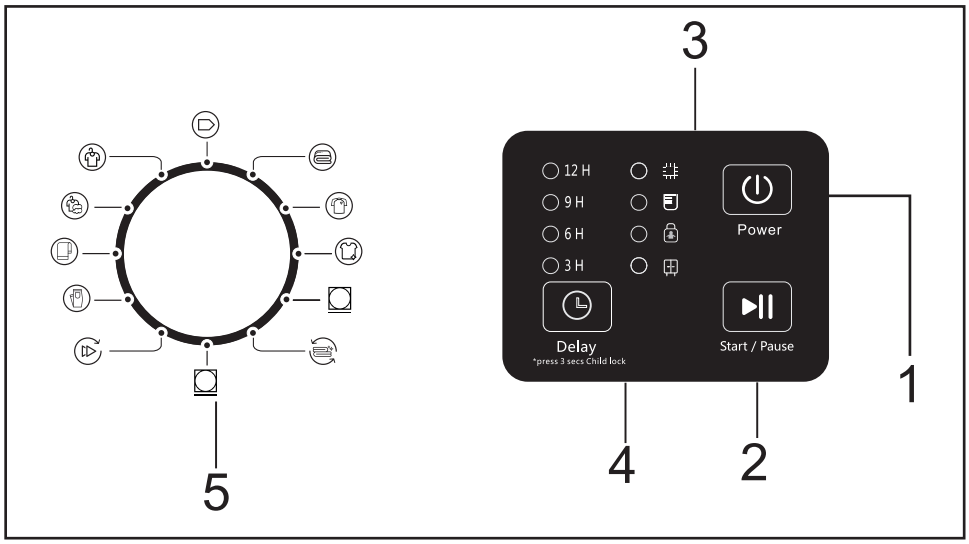
2. Shake the clothes and put them into the clothes dryer to speed up drying.
3. Avoid overloading the dryer.
4. Clean the drum and lint filter regularly with a wet towel that has been wrung dry.
5. Clean the filter screen of condenser regularly.
6. The lint filter must be completely dried before being put into the clothes dryer.
7. In order to obtain a uniform drying effect, please classify the fabrics according to their types and select the appropriate drying procedures. In order to avoid unnecessary damage to clothing, you must follow the label information on the clothing to select different drying procedures.
8. Do not dry the fabric that has been sized. The thin layer of sizing powder formed by hardening will reduce the drying effect.
9. A timed drying procedure is recommended for small quantities of fabric.
10. Please ensure that the air flow at the vent is not obstructed, and do not block the vent.
11. Warm fabrics feel wetter than normal temperature. It is recommended not to over dry clothes.

⚠ CAUTION

- This dryer is a household dryer. Please operate according to the recommended drying capacity and procedures.
- Fine fabrics that are easily damaged, such as silk and man-made fabrics, should not be dried to avoid wrinkles.

The reference weights of common clothes are as follows:			
 Blended coat (about 800g)	 Jacket (cotton is about 800g)	 Working clothes (cotton is about 1120g)	 Shirt (cotton is about 300g)
 Undershirt (cotton is about 180g)	 Pajamas (about 200g)	 Jeans (about 500g)	 Underpants (cotton is about 70g)
 Socks (blend fabric is about 30g)	 Towelling coverlet (cotton is about 900g)	 Single sheet (cotton is about 600g)	

CONTROL PANEL



1. Power button 2. START/PAUSE button 3. Display area 4. Function selection area
5. Program selection area

1. PROGRAM/FUNCTION/DISPLAY INTRODUCTIONS

1.1 ⏻ **POWER BUTTON:** Turn on and off the dryer.

1.2 START/PAUSE BUTTON: Start the drying program. If the dryer is running, press this button to stop working.

1.3 DISPLAY AREA: Display the running status of the dryer.

TIME DISPLAY/ ALARM PROMOT MESSAGE

Clean water tank

Child lock

Clean the filter screen

This light flashes while the program is running and stays on after the program ends. You can put dry clothes in the cabinet.

1.4 Function selection area

Preset function

This function controls the start time of the machine, with a memory that can delay operation by 3 hours, 6 hours, 9 hours, or 12 hours.

Child lock

This function can effectively prevent children from accidentally pressing or mis-operation.

The specific settings are as follows:



1.Turn on power

2.Select

3.Start

4. Press and hold the preset button for three seconds to activate the child lock function.

⚠ CAUTION

After setting the "child lock”, you cannot operate the dryer by pressing any button (except the power button). If you want to operate the dryer, please release the "child lock" function first.

1.5 ○ PROGRAM SELECTION AREA

Name	Maximum drying capacity (kg)	Description
Mixed	4.0	Used for drying cotton and synthetic blended fabrics
Bedding	3.0	Used for drying heavy items such as bed sheets
ECO	8kg (fill in the required capacity)	Used for drying cotton clothes
Shirts	1.0kg (about 5~6 pcs)	Used for drying shirt
Jeans	5.0	Used for drying denim
Towel	3.0	Used for drying towel
Sports	4.0	Used for drying sportswear
Synthetics	4.0	Used for drying chemical fiber cloth
Quick Dry	1.0	Used for small loads that need to be worn urgently
Down	3.0	Used for drying down-filled coat
Refresh	-	Timed drying/warming of clothes (20 minutes)
Delicat	4.0	Used for drying thin and light clothes

⚠ CAUTION

1. The above programs are only recommended, and users can choose appropriate programs according to their own habits.
2. The actual drying time of the program varies with the temperature and humidity of the environment, the type and weight of clothes, and the moisture content of clothes after dehydration.

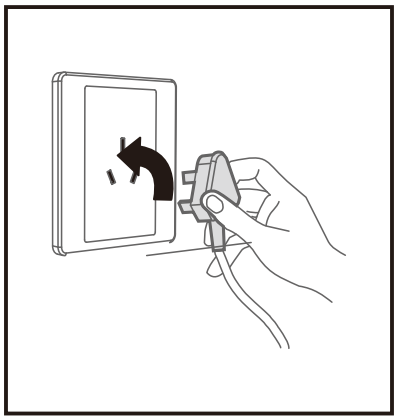
3. Before drying the clothes, please confirm whether the clothes are suitable for drying with a clothes dryer according to the label on the clothes.
4. If you need to dry a small amount of clothes, it is recommended to select a timing adjustable program. If the clothes are not completely dried, you can select the timing adjustable program to continue drying. The timing adjustable program will not automatically judge the humidity. If the clothes are still wet after the program, please repeat the program or adjust the drying time until drying.
5. When drying large-sized fabrics such as bedsheets and curtains, if the drying process is lumped, the operation can be suspended, and the drying can continue after shaking. Some heavy clothes (jeans, large towels, etc.) are difficult to dry locally because of the material characteristics. If you find that the drying is not complete after the program is completed, it is recommended to use the "regular drying" program to adjust the drying time.
6. When drying down jackets, please turn the inside of the clothes over to the outside before drying.

QUICK START

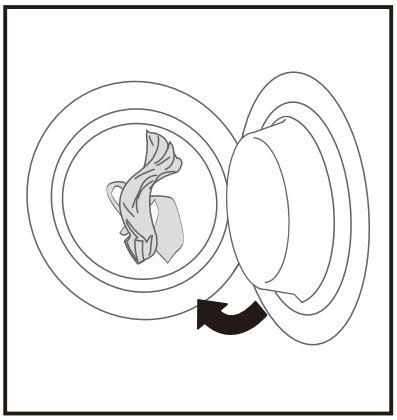
⚠ CAUTION

Before use, please make sure that the machine has been correctly installed according to the installation instructions.

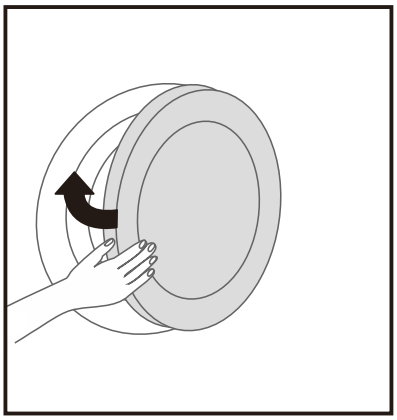
1. **Dry clothes preparation**



Insert the plug



Put in clothes



Close the door

⚠ CAUTION

Clothes can only be put into the dryer after being dehydrated.

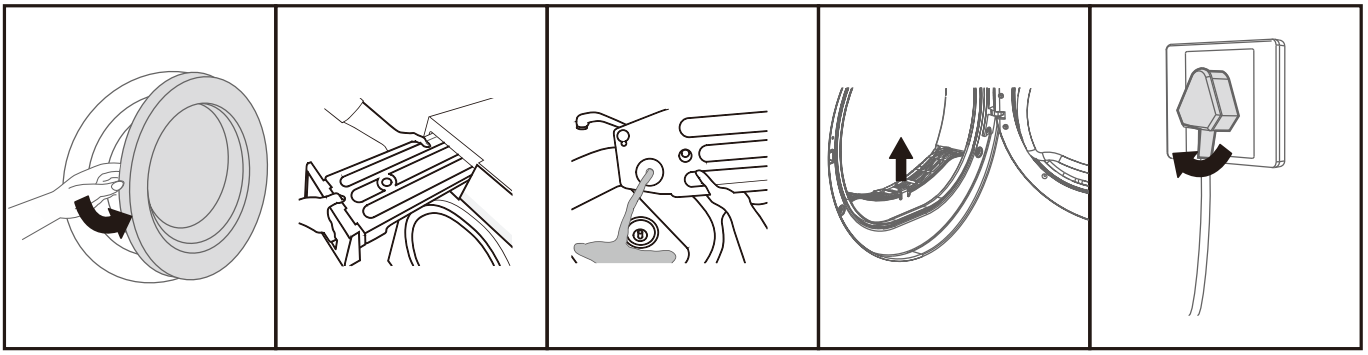
2. Start drying the clothes:



Turn on the power　Select program　Select function　Start

3. End of drying the clothes

When the drying is finished, there will be a prompt tone or "END" on the screen.



Open the door and take out the clothes　Pull out the water tank　Drain the water out of water tank　Clean the filter screen　Power cut

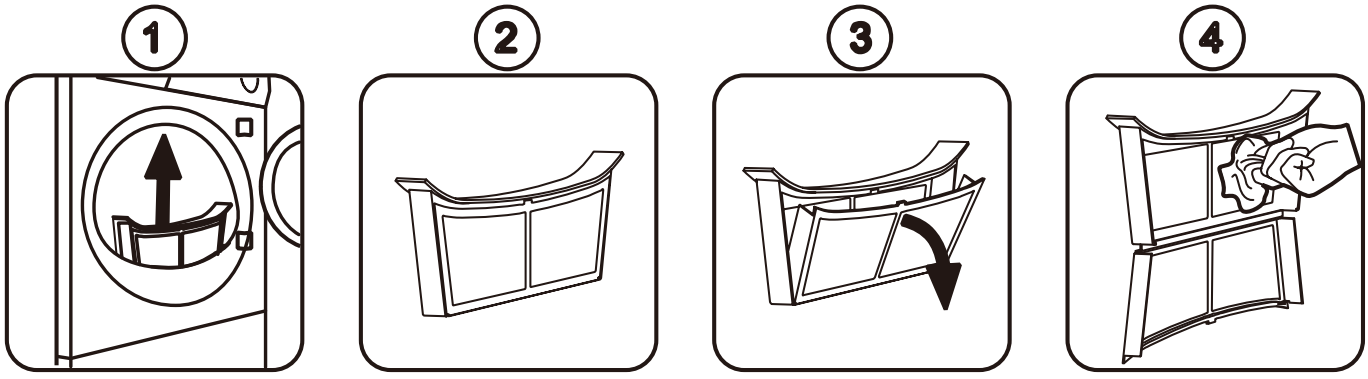
⚠ **CAUTION**

If you use a socket with a switch, press the switch directly to turn off the power.

MAINTENANCE

1. Clean the filter

In order to ensure good ventilation effect in the process of drying, the filter should be cleaned before or after each drying.



Open the door

Take the filter out of the machine

Open the filter screen

Clean the fluff with a wet towel

⚠ **CAUTION**

Please install the filter screen in place again after cleaning.

2. Clean the dryer

Clean the surface of the dryer with a clean soft cloth. Do not spray water directly on the dryer, or use a thinner, detergent, kerosene, volatile oil, alcohol, etc. Specially dirty places can be wiped with a soft cloth dampened with mild soapy water.

3. Clean the barrel

After the dryer runs for a period of time, the calcium contained in the clothing care agent or water will form a layer of isolation layer in the drum which is almost invisible to the naked eye. The inner wall of the drum should be cleaned regularly with a wet

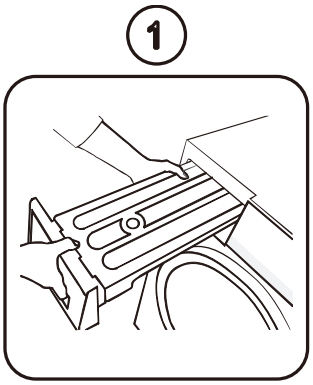
rag.

4. Clean the water box

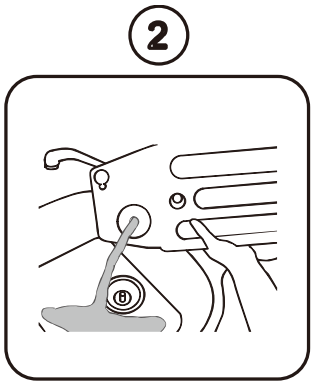
When the machine is running, steam is condensed to water and is stored in a water box.

Take out the water box. After the water box is taken out, it should be kept level to avoid condensate overflow.

Pour out the condensate and re install the water box in place.



Take out the water box. After taking out the water box, keep it horizontal to avoid condensate overflow.

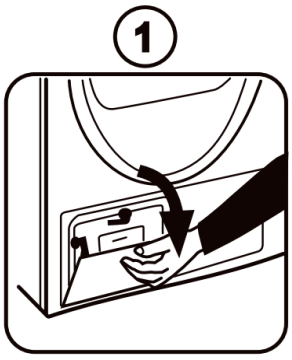


Pour out the condensate and reinstall the water box in place.

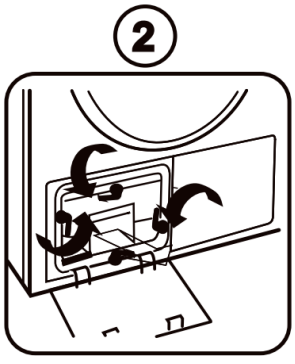
Warning: The condensed water shall not be drunk or used for food processing. After the procedure, the water and condensate shall be emptied in time。

5. Clean the lower lint filter

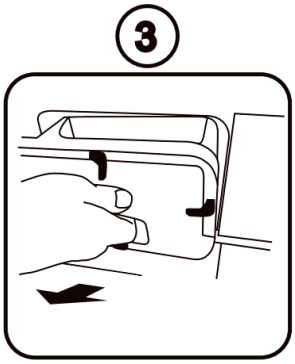
In order to achieve the best drying effect, please regularly check whether the filter is wired and clean it in time. Please disconnect the power supply before cleaning.



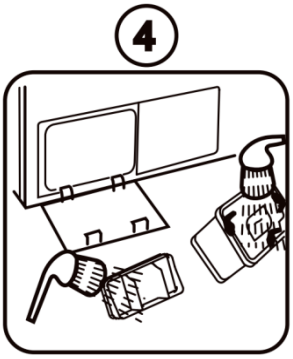
Open the lower filter door



Open the three fixing clip of air duct



Take out the lower lint filter from the front air duct



Clean the lint at all positions on the lint filter



Reinstall the lint filter screen into the machine

Warning: Do not use sharp instruments to clean the lower filter, so as not to damage the filter.

TROUBLESHOOTING

Common fault phenomenon

Alarm					Alarm Reason	Solution
12H	9H	6H	3H			
●	●	●	●	flashing	Water tank full	Clean the water in the tank.
○	●	●	●	“E1”	Drain pump failure or water level sensor failure	Please contact the repair center.
●	○	●	●	“E2”	Heat pump temperature sensor fault alarm	Please contact the repair center.
●	●	○	●	“E3”	Air duct temperature sensor fault alarm	Please contact the repair center.
○	○	○	○	“DOP”	The door is not closed properly.	Close the machine door
					Door lock fault	Please contact the repair center.
●	●	●	●	flashing	Filter cleaning tip	It lights up after each program ends to remind you to clean the filter.

○ **Light on**

● **Light off**

⚠ CAUTION

Only authorized professional service technicians can repair the clothes dryer! Before contacting the maintenance center, please confirm whether you can handle the fault by yourself or whether there is any nonstandard use.

SPECIFICATION SHEET

Power	220V-240V~/50Hz
Rated drying capacity (kg)	8.0
Rated input power（W）	700
Product net weight（kg）	45
Product gross weight（kg）	50
Product size（mm）	598X652X845
Packing size（mm）	682X722X890
Refrigerant type	R290
Refrigerant Charge (g)	100

Note: our company reserves the right to change the design of the product. The product you purchased may have been improved and not completely consistent with the manual, but the performance and use method will not be changed. Please feel free to use it.

NAME AND CONTENT OF HAZARDOUS SUBSTANCES USED IN THIS APPLIANCE

	Hazardous substances					
Component names	Plumbum (Pb)	Hydrargyrum (Hg)	Cadmium (Cd)	Hexavalent chromium Cr (6+)	Polybrominated biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Plastic part	O	O	O	O	O	O
Metal Structural Part	O	O	O	O	O	O
Motor	O	O	O	O	O	O
PC board	——	O	O	O	O	O
Remaining electrical part	O	O	O	O	O	O
Packaging Printing part	O	O	O	O	O	O

1. “Exceeding 0.1 wt%” and “exceeding 0.01 wt%” refer to the percentage content of restricted substances exceeding the percentage content benchmark value.

2. “○” refers to the percentage content of the restricted substance not exceeding the percentage content benchmark value.

3. “－” refers to the restricted substance being excluded.

The “environment-friendly use period” of this appliance is 10 years, and it is specified by this enterprise according to the design characteristics of this appliance. This “environment-friendly use period” is valid only when this appliance is used normally by following this Owner’s Instructions.

Eco-friendly

Environmentally friendly packaging materials

- The ‘ ’ mark on the material indicates that it can be recycled.

>PE=Polyethylene

>PS=Polystyrene

>PP=Polypropylene

Materials made from the above substances can be recycled, you just need to dispose of them in the appropriate rubbish bin.

- The ‘ ’ mark on the product or on the packaging indicates that the product should not be disposed of as appliance waste, but that they should be handed over to an appropriate disposal station for electrical and electronic devices. The correct disposal of waste electrical appliances stops potential negative impacts and protects the environment and human health, which might otherwise result in some waste.

Ecological Information

In order to save energy and protect the environment, we recommend the following:

- Try to make the machine work with a large load, as it is not economical to work with a small load.
- To avoid wrinkling clothes and to save energy, do not dry clothes that are already dry.
- Please select the drying program according to the degree of dryness of the laundry and the type of laundry.
- Clean the filter regularly to avoid unnecessary increase in drying times and waste electricity.
- Keep the room ventilated and the room temperature should not exceed 35 ℃.

AFTER SALES SERVICE

Three years warranty service is available from the date of purchase. The date of purchase of the invoice or after-sales service warranty card is subject to the warranty service. The problems you encounter when using our company's home automatic ice cream machine can be helped and resolved through the service hotline. We provide technical advice free of charge.

●One of the following conditions is not covered by the warranty.

1) Components are damaged due to improper use, maintenance and storage.

2) Damage caused by Maintenance personnel or designated personnel to disassemble the product by themselves.

3) No purchase invoice or purchase invoice does not match the product.

4) Damage caused by force majeure.

5) Exceeding the warranty period.

6)This product is an ordinary household clothes dryer. For commercial or collective clothes dryers, such as hotels, hair salons, laundries, factories, dormitories, etc., the warranty period is six months. If the warranty period is exceeded, our company will charge for maintenance according to the relevant provisions of our company.

★ If you find any quality problems, please contact the service center or special maintenance service point for repair. Do not disassemble it yourself. The company will not bear any responsibility for quality problems or accidents caused by self-disassembly.

★ If the product is not under warranty, the manufacturer will charge for maintenance according to the relevant provisions of the company on after-sales service.

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