

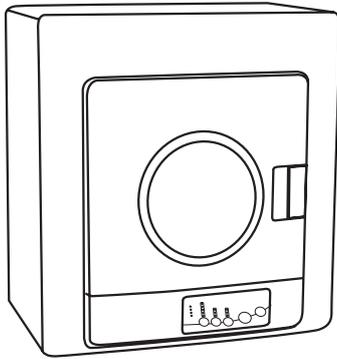
## Tumble Exhaust Type Clothes Dryer

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WD-8888-101

# Service Manual

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Models:  
**HLP140E**

### ● Features

- Antibacterial drying, easy and safe
- PTC heating, rapid temperature rise
- Automatic thermo-limiting, safe and easy
- No outdoor air drying, avoiding dust pollution
- Computerised control, auto drying

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## Product introduction and main features

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### I. Product introduction

#### 1. Air inlet structure

In the air inlet portion left lower of the dryer there's a PTC heating device, through which the air is guided from the air inlet into the drum by rotation of the dryer drum and impeller driven by the motor. The heating device is a positive temperature coefficient (PTC) semi-conductor heater of self-control of temperature and high safety provided with a 70°C thermo-limiter.

At the air inlet a filter screen is provided to keep air clean and free of impurities.

#### 2. Drum portion

The support plate front of the drum is installed on the dryer cabinet with 6 connectors. A white felt and a wear-resistant tetrafluoroethylene wearing piece are attached on the drum support plate. The drum front and rear sealing is made with felt. The drum rear part is mounted with nuts on the shaft rivetted on the drum support bracket where the air impeller and antiwear spacer are installed.

The air outlet filter screen is installed in the drum. Take care the filter fixed on the drum with screws shall be carefully cleaned when cleaning the filter screen.

#### 3. Exhaust portion

The air from the drum is exhausted through the air outlet grill, filter screen, air impeller and the exhaust duct. The exhaust direction can be altered by adding an exhaust pipe.

#### 4. Door and control panel structure

The door lock adopts a drawing structure which can be opened by pulling the door handle.

The door switch is installed between the front panel and drum supporter. The projecting arm at middle part of the door projects or releases the link lever of the door switch to connect or disconnect the door switch.

The operation is easy and simple. The door switch is installed between the front panel and the drum supporter. It is safe enough.

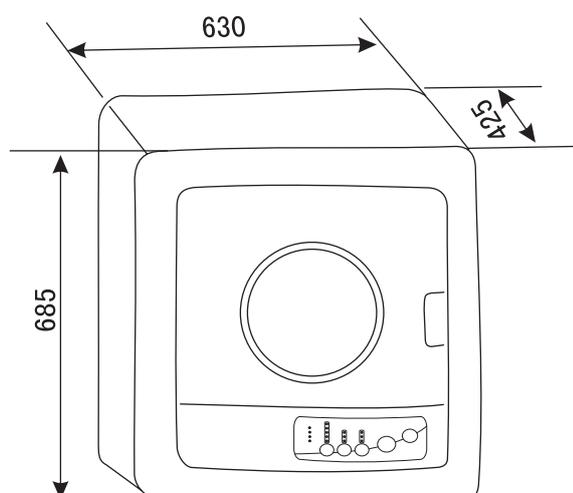
### II. Main features

- Antibacterial drying, easy and safe
- PTC heating, rapid temperature rise
- Automatic thermo-limiting, safe and easy
- No outdoor air drying, avoiding dust pollution
- Computerised control, auto drying

## SPECIFICATIONS

Model	HLP140E
Rated voltage • frequency	120V ~ • 60Hz
Rated max. Capacity	3.5kg
Cycles, temperature, and time choice	Auto dry: Normal, heavy, delicate can be choosed Timed dry: refer to the operating instructions
Rated max. Current	9.5A
Overall dimensions	630mm × 425mm × 685mm
Product net weight	24kg
Drying mode	Tumble exhaust type (cold air drying and hot air drying)
Safety device	(a) Safety device (b) Motor overload protector (c) Thermostat (d) Over-temperature circuit breaker

## NET DIMENSION



Unit: mm

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## **Important Safeguards**

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When using electrical appliances, in order to reduce the risk of fire ,electric shock, and/or injury , these basic safety precautions should always be followed:

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- 1.Read all instructions before using the appliance.
- 2.Do not dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry cleaning solvents, or other flammable or explosive substances, as they give off vapours that could ignite or explode.
- 3.Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.
- 4.Before the appliance is removed from service or discarded, remove the door to the drying compartment.
- 5.Do not reach into the appliance if the drum is moving.
- 6.Do not install or store this appliance where it will be exposed to the weather.
- 7.Do not tamper with controls.
- 8.Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.
9. Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
- 10.Do not use heat to dry articles containing foam rubber or similarly textured rubber-like materials.
11. Clean lint screen before or after each load.
- 12.Keep area around the exhaust opening and adjacent surrounding areas free from the accumulation of lint, dust, and dirt.
- 13.The interior of the appliance and exhaust duct should be cleaned periodically by qualified service personnel.
14. Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.
- 15.Keep your dryer away from combustible materials (such as gasoline) during operation to prevent the risk of fire.
- 16.Do not use or place stove, gas device, water heater, tinder or similarities close to your dryer. Do not install or store this appliance where it will be exposed to water and/or to the weather.
- 17.The tumble dryer is not to be used if chemicals have been used for cleaning.

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**Important Safeguards**

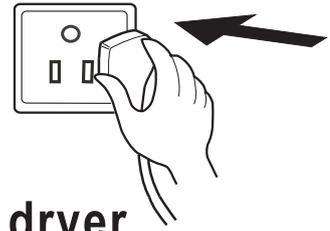
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- 18.The tumble dryer is intended only for drying textile material washed in water.
- 19.There has to be adequate ventilation to avoid the back flow of gases into the room from appliances burning other fuels including open fires, when operating the tumble dryer.
- 20.Lint is not to be allowed to accumulate around the tumble dryer.
- 21.For appliances with ventilation openings in the base, that a carpet must not obstruct the openings.
- 22.Exhaust air must not be discharged into a flue which is used for exhausting fumes from appliances burning gas or other fuels.
- 23.If material has been used with any flammable liquids or solids it should not be used in the dryer until all traces of the flammable liquids and its fumes have been removed.
- 24.This dryer shall be connected to a three-wire, single phase, 120V AC power receptacle more than 15A, which must be reliably grounded. A leakage protector shall be used, if possible.
- 25.Do not share a receptacle with other appliances. Do not use it when a plug loosely inserted into a receptacle.
- 26.When normally using, the power cord of dryer shall be easily plugged or unplugged by hand. It must be unplugged during power blackout, moving, not in use or cleaning. Do not plug or unplug the power cord with wet hands.
- 27.Always disconnect dryer from electrical supply before attempting any service. Disconnect power cord by grasping the plug, not the cord.
- 28.Do not block the exhaust vent when dryer operating to prevent it from overheating or other dangers.
- 29.Do not let your dryer operate on packing foam. Otherwise it maybe cause fire since heat accumulation or other external factors.
- 30.Only place sufficiently dehydrated clothes into your dryer for drying to prevent leakage and longer drying time.
- 31.Do not place washed wet clothes in your dryer for a long time not drying them (which may result in water leakage).
- 32.Don't touch the intake for the high temperature during the drying cycle.
- 33.Do not exceed dryer rated Max. Capacity.
- 34.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.
- 35.Do not excessively bend, stretch, twist, bind power cord or put heavy stuff on it. Keep the terminator of power cord clean. Carefully clean it with dry cloth if dusts accumulated. If damaged, power cord or plug must be replaced by our service agent or qualified after-sale service person to avoid the risk of danger.

## Operating your dryer

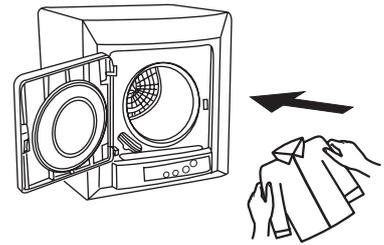
### 1. Plug the power cord

- The appliance shall be supplied with 120V, 60Hz, connected to a special receptacle more than 15A (reliably grounded).



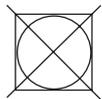
### 2. Place the dehydrated clothes in your dryer

- Check the following items before putting clothes in. They shall be loaded in such a way that 2-3 pieces each time and not in a group to avoid tangling, which is not easy to turn it over resulting in uneven drying since the clothes were wrapped.
- Please put clothes into the drum. Avoid clothes being pressed by the door due to exposure out of the port, which will cause clothes entangle and door gasket release and consequently poor drying effect.



### Before drying your clothes

- Make sure if clothes have any special requirements and suitable for drying. Do not dry your clothes in your dryer if the materials of which cannot be dried in a dryer or they bear the following labels:



Do not tumble dry



Hang to dry



Drip dry

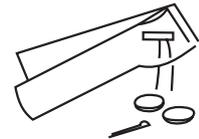


Dry flat



Dry in the shade

- Carefully check the clothes to be dried and remove combustible material such as lighter and match as well as sharp metal items like coin, hair clip and safety pin maybe mixed with the clothes and in pockets.
- Clothes with zipper or fastener shall be put into your dryer inside out with zipper zipped and fastener buckled.
- Separate dark and light colored items, like you do for washing. Check for stains that may not have been removed in washing. Dryer heat may permanently set some stains. Properly dried clothes will need minimum of care when removed from dryer.
- For optimum results, use dryer load of similar fabric, weight and construction. Place small items in a mesh bag prevent from tangling. Do not overload the dryer. An average load will fill up half the drum.



# Operating your dryer

## 3. Drying Procedure Setting

### a Instruction for the operation button

#### Status and implication of the indicator light

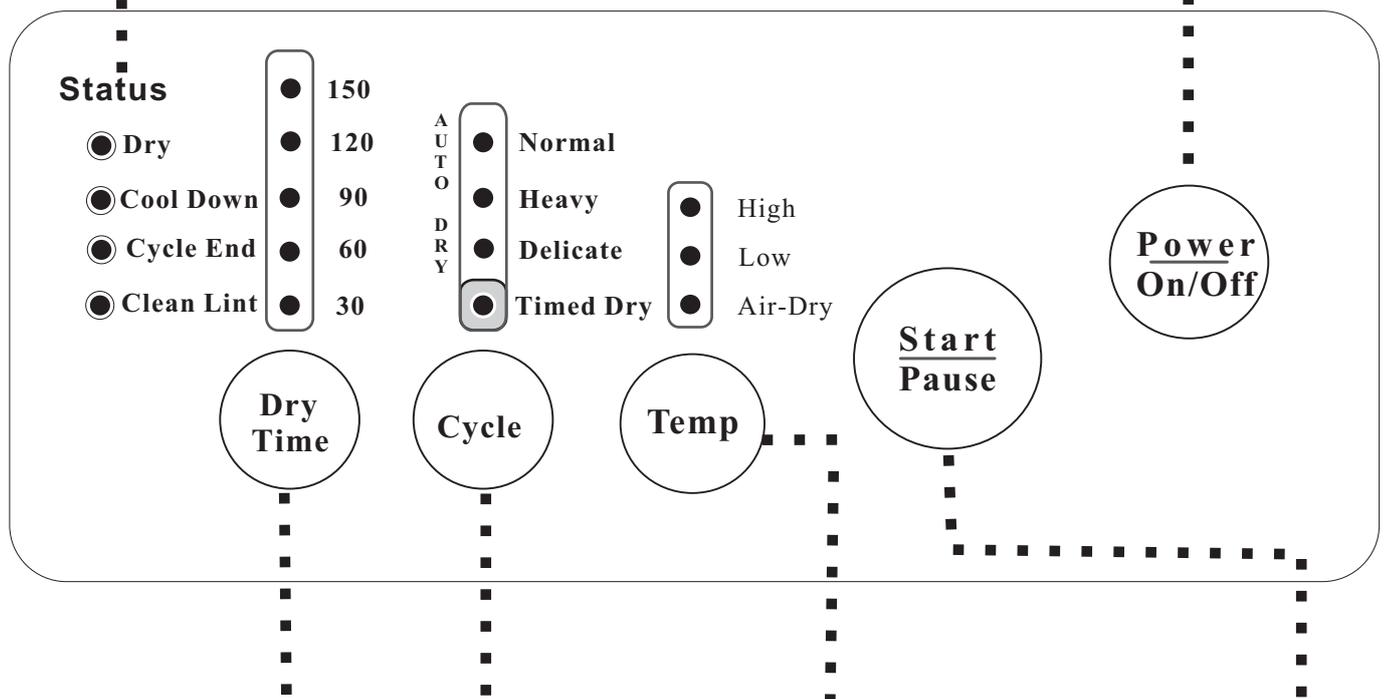
- ◐ Flash- indicates the program that is functioning
- On- indicates the program that is going to function or the state that has been chosen

#### Indicator lights of the status

- The implication of the indicator lights.
- Dry  
The dryer is working.
  - Cool Down  
The cycle will be completed soon, and the heater stops heating. The temperature decreases.
  - Cycle End  
The cycle is completed.
  - Clean Lint  
Remind you clean the lint in time each time you dry your clothes.

#### 'PowerOn/Off' button

- Press in the 'PowerOn/Off' button to connect the power connector.
- Press in the 'PowerOn/Off' button to cut off the power connector after there is power to the machine.
- Press in the 'PowerOn/Off' button to connect the power connector, then press in the 'Start/Pause' button, if not, the machine will cut off the power connector by itself.



#### 'Dry Time' button

- After the power is on, you can press in the 'DryTime' to choose the drying time directly. When choose 'Timed Dry', you can press in the 'DryTime' button to choose drying time in a range of 30, 60, 90, 120, 150, too.
- If the 'Temp' function is set as 'Air-Dry', subsequently the 'Dry Time' will adapt to 30 or 60 minutes.

#### 'Cycle' button

Possible cycle	
Normal	Normal drying
Heavy	Huge and heavy garments
Delicate	Low level heat resistance
Timed Dry	You can set the drying time as required

#### 'Temp' button

- When you choose 'Timed dry', press in the 'Temp' button to choose temperature in a range of High, Low and AirDry (without heating).
- 'Normal' and 'Heavy' of 'Cycle' is originally set as 'High'. 'Delicate' is originally set as 'Low'.

#### 'Start/Pause' button

- Press in the 'Start/Pause' button when there is power to the machine to run the dryer.
- Pause when press in the middle of running.
  - Start again when in status of pause.

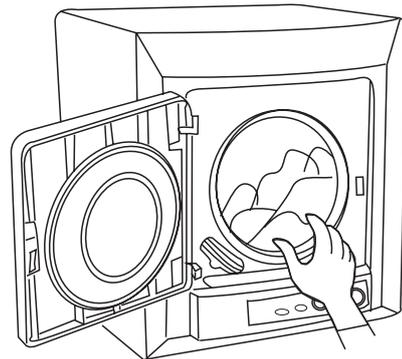


## Operating your dryer

### 4. Take out the clothes when the program is finished

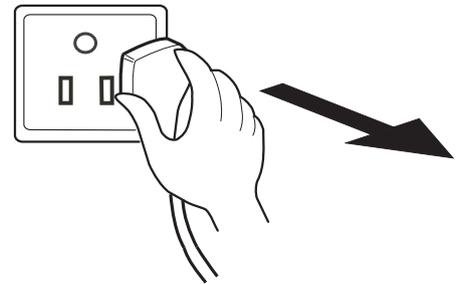
There comes a beeper alarm when the drying procedure is done, the dryer will cut off electricity by itself after giving alarm.

- Stop heating 10 minutes before the program finish, cold wind blowing makes the dryer become cool gradually and the temperature of garments will be lower.
- If you want to take out clothes in the middle of high temperature operation, please firstly make the dryer cool and then take out the clothes.
- Under normal condition, static electricity comes as a result of garments made from chemical fiber rubbing against each other.



### 5. Pull out the plug

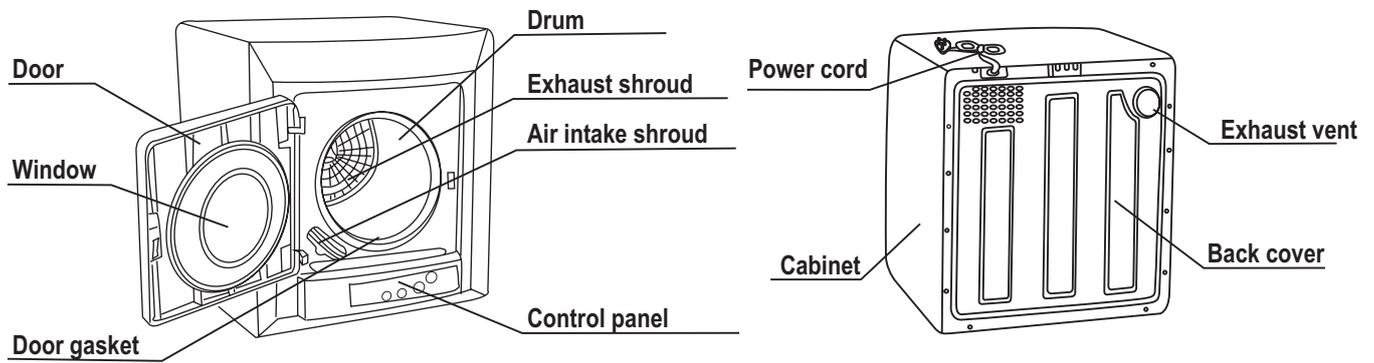
- When pull out the plug, please hold the plug top rather than dragging the line, in case the inner electric wire was broken or caused a loose connection.



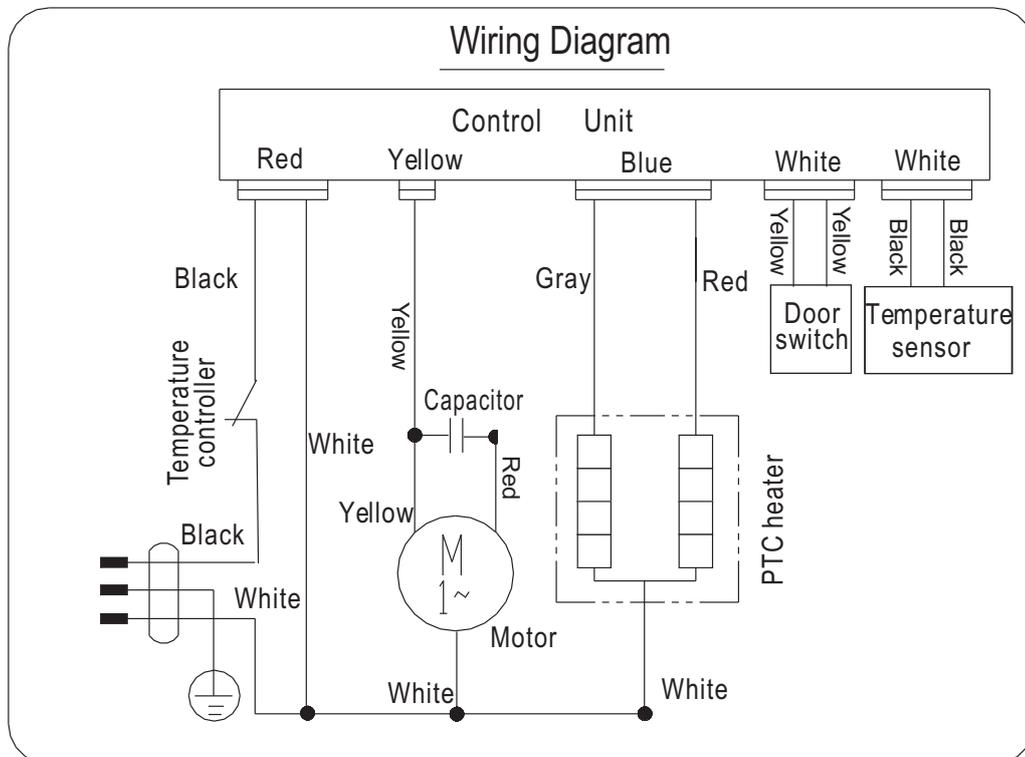
### 6. Rinse the filter-net

- Referring to Page 13

### PARTS AND STRUCTURE



### WIRING DIAGRAM



## Wall Mounting Instructions

### Where to place your dryer

The dryer must be wall mounted. Place the dryer in a dry well ventilated area. It should be positioned away from heat and direct sunlight.

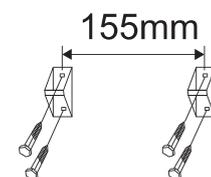
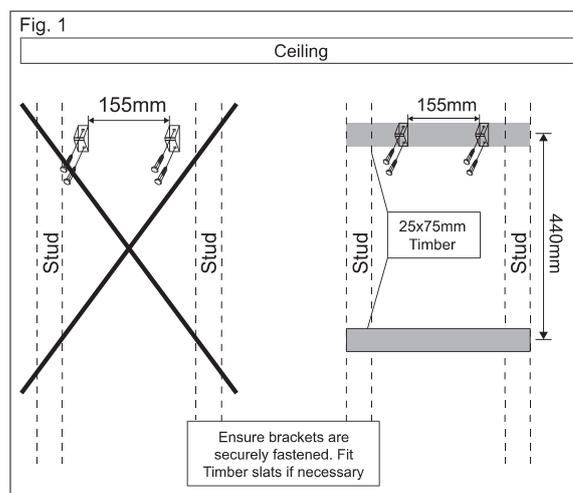
1. Determine dryer position on wall and mark required bracket position.

- \* A minimum 50mm is needed between the top of the dryer and the ceiling for ease of installation.
- \* If mounting above a washing machine, allow sufficient room to open the lid of the washer.

Tools required		
Tools & parts required for Plaster/ wooden wall	Drill & 3mm Bit	1
	Philips Head Screw Driver	1
	Wood Screws, 12g x 50mm Timber Screws	4
	Helper to lift dryer onto wall	1

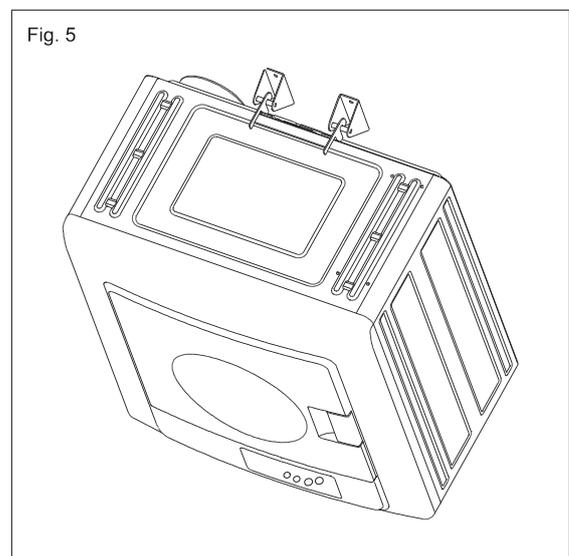
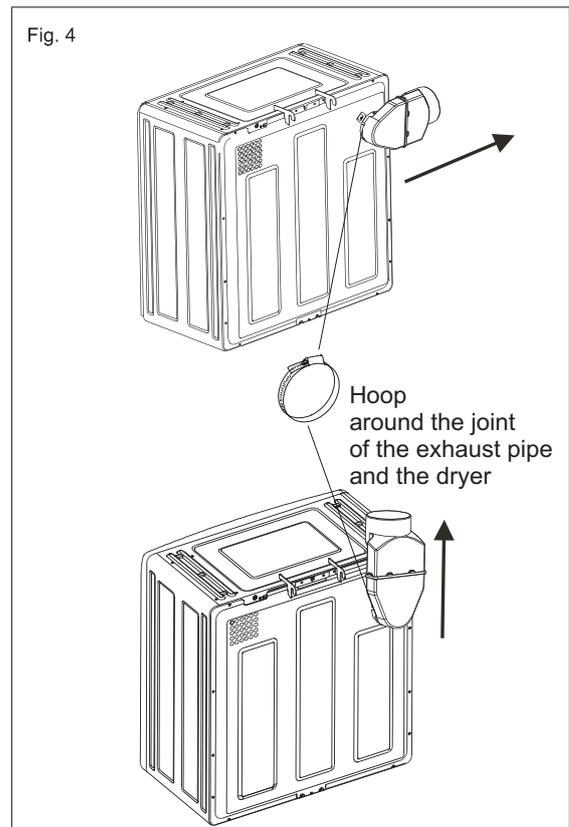
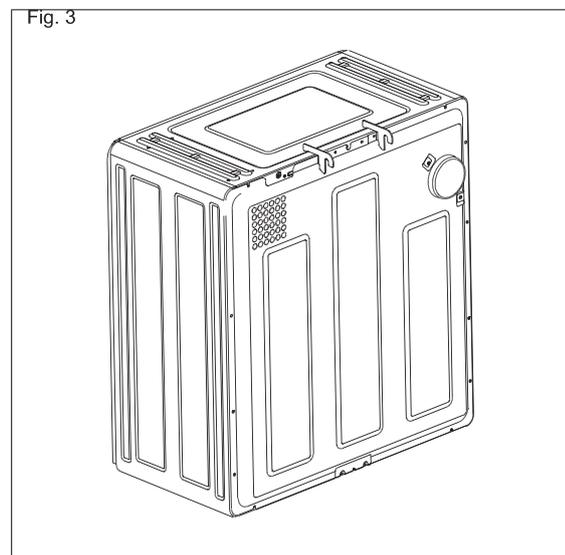
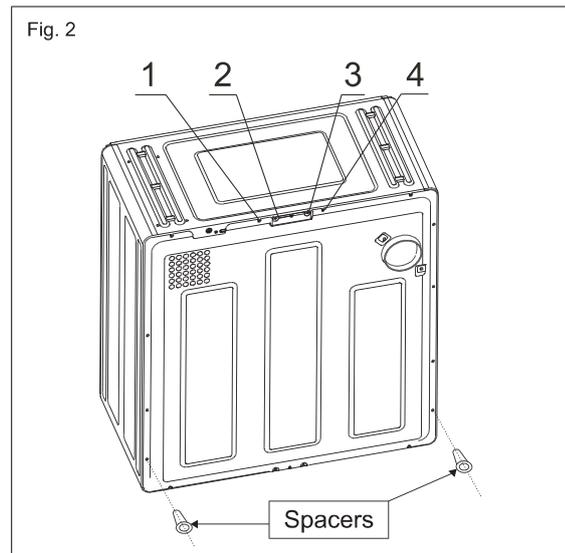
Wall Mounting Kit Includes		
Description	Wall hanging brackets	2
	Hanging hook	1
	Plastic Spacers	2
	Exhaust pipe	1
	Hoop	1

2. Fix the wall hanging brackets (2 supplied) to the wall securely (eg. into the stud.) Fit a timber slat between the studs to mount the brackets onto if the stud position is too wide. The distance between each bracket is 155mm as per diagram.



## Wall Mounting Instructions

3. To install the hanging hook to the dryer, remove screws 1, 2, 3 & 4 as indicated in Fig. 2.
4. Align bracket as shown in Fig. 3 and fasten screws tightly.
5. Remove lower side screws and install the spacers provided as per Fig. 2.
6. Install exhaust pipe: Upwards discharge and downwards discharge is available as per Fig. 4. **After installation fasten the screw of the hoop with a driver.**
7. With assistance, mount dryer on wall bracket. See Fig. 5.

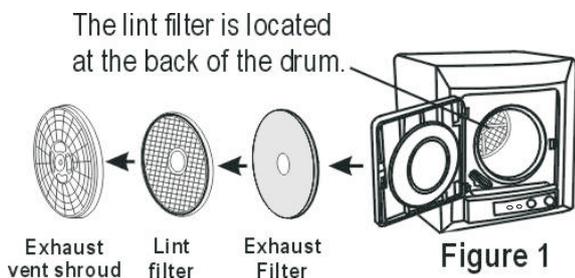


### Cleaning the Lint Filter

Unplug the power cord prior to any cleaning. The lint filter must be cleaned before and after each use. Never use the dryer without the filter in place.

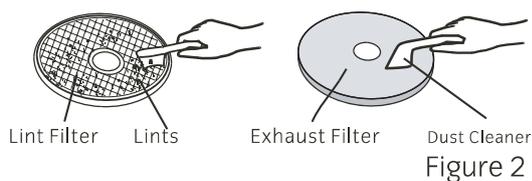
#### 1. Removing the Filters

Insert fingers into the four holes around the exhaust vent shroud and pull out to remove. The filter is in 3 parts: Exhaust vent shroud, lint filter and exhaust filter (as shown in figure 1).



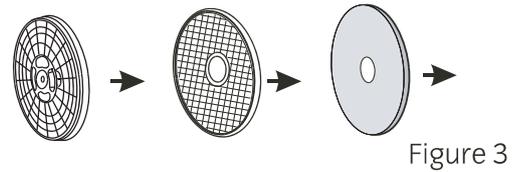
#### 2. Cleaning the filter

Separate the filters from the shroud and remove the lint with a soft brush or vacuum cleaner. Then wash it with water if dirty still. And dry it in the air absolutely before use. Take care not to damage the filters. (See fig 2).



#### 3. Re-installing the Filter

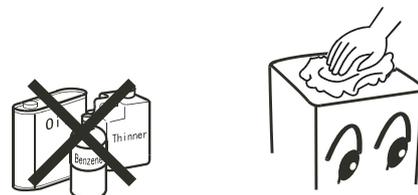
Reinstall in the reverse order, align the recess in the centre of the filters with the spigot in the centre of the drum and ensure that it is fitted firmly. (as shown in figure 3).



Note: The filter fixed in the bottom of the drum should also be cleaned with a soft brush.

#### Cleaning the Interior & Exterior of The Dryer

Do not use excessive water, just a damp cloth. Do not use solvents. Do not use spray cleaners when cleaning the interior. If the drum becomes stained, clean it with a damp cloth and allow to dry before using. Clean the cabinet with mild soap and water. Do not use harsh or abrasive cleaners. Do not let any kind of liquid get into the air intake or on the control panel.



## Troubleshooting

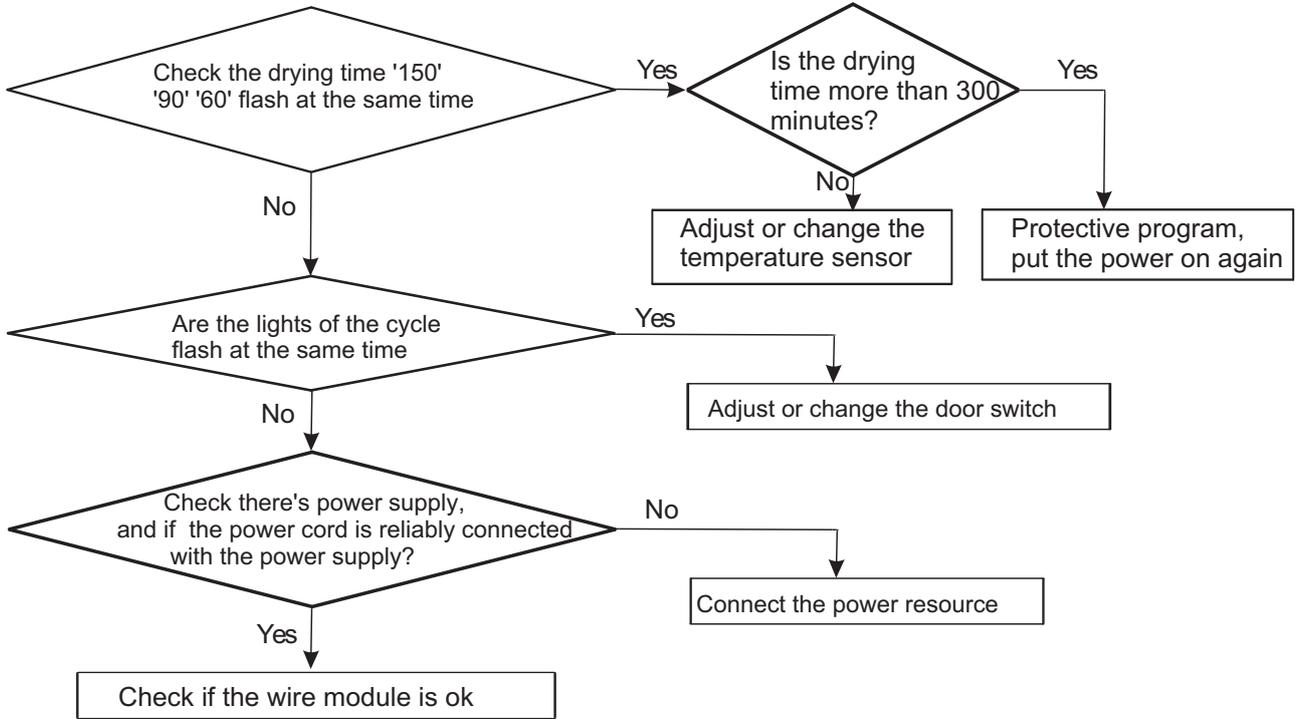
Review the following pages before calling for service.

SYMPTOM	CAUSE	CURE
Dryer won't heat.	<ul style="list-style-type: none"> <li>● No power to machine?</li> <li>● Is the plug properly put in the socket?</li> <li>● Is the front door properly shut? Has the Power/ ON/OFF, or</li> <li>● Start/Pause button been pressed in?</li> </ul>	<ul style="list-style-type: none"> <li>● Reset circuit breaker; use the machine when there is power.</li> <li>● Check and tighten plug.</li> <li>● Close the front door.</li> <li>● Press in the Power/ ON/OFF, or Start/Pause button.</li> </ul>
Dryer won't heat.	<ul style="list-style-type: none"> <li>● Is the Temperature button Indicator light indicating "Air Dry"?</li> <li>● Is the clothes dryer working?</li> </ul>	<ul style="list-style-type: none"> <li>● Reset the "Temp" button till the indicator light indicates "High" or "Low", and the light is on.</li> <li>● This is probably as a result of the heat been absorbed by the wet clothes for a while when starting the machine, after 30 minutes it will be normal.</li> </ul>
Garments won't dry enough. ( Not all the garments are dry enough after the machine stops work)	<ul style="list-style-type: none"> <li>● Is the outlet filter-net been blocked?</li> <li>● Are the garments fully dehydrated?</li> <li>● Have you dried too many garments in weight?</li> <li>● Is a garment filling occurs when the machine is working?</li> <li>● Have the garments got tangled up?</li> <li>● Are the easy/hard dry clothes not sorted?</li> <li>● Is the dryer standing position narrow and stuffy?</li> </ul>	<ul style="list-style-type: none"> <li>● Rinse the filter-net clear.</li> <li>● Got the garments fully dehydrated.</li> <li>● Reduce the garments amount.</li> <li>● Select out the garments that not dry to make them dried.</li> <li>● Separate the tangled-up garments and make them dried.</li> <li>● Select out the garments that not dry to make them dried.</li> <li>● Place the machine in a position that ventilate well.</li> </ul>
Drum won't turn. (The three indicator lights of Program button are on at the same time)	<ul style="list-style-type: none"> <li>● Close the front door.</li> </ul>	<ul style="list-style-type: none"> <li>● Press in the Start/Pause button.</li> </ul>
Drum won't turn. (The '150', '90', '60' indicator lights of Drying Time switch are on at the same time)	<ul style="list-style-type: none"> <li>● You may have chosen the 'Auto-Dry' mode of drying if the garments are not dried over 5 hours . ( Referring to symptom 3)</li> </ul>	<ul style="list-style-type: none"> <li>● After troubleshoot problem 3, press in the Power/ ON/OFF, or Start/Pause button.</li> </ul>

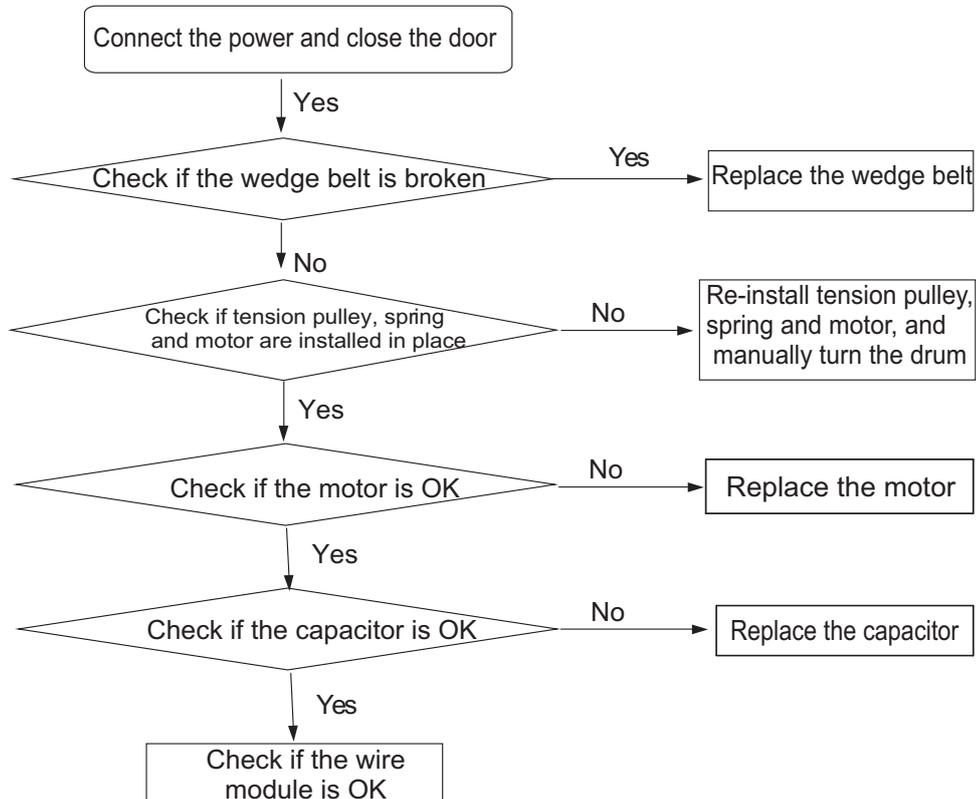
MAINTENANCE SERVICE AND TROUBLE SHOOTING

Troubleshooting diagram

Drum does not rotate and heat

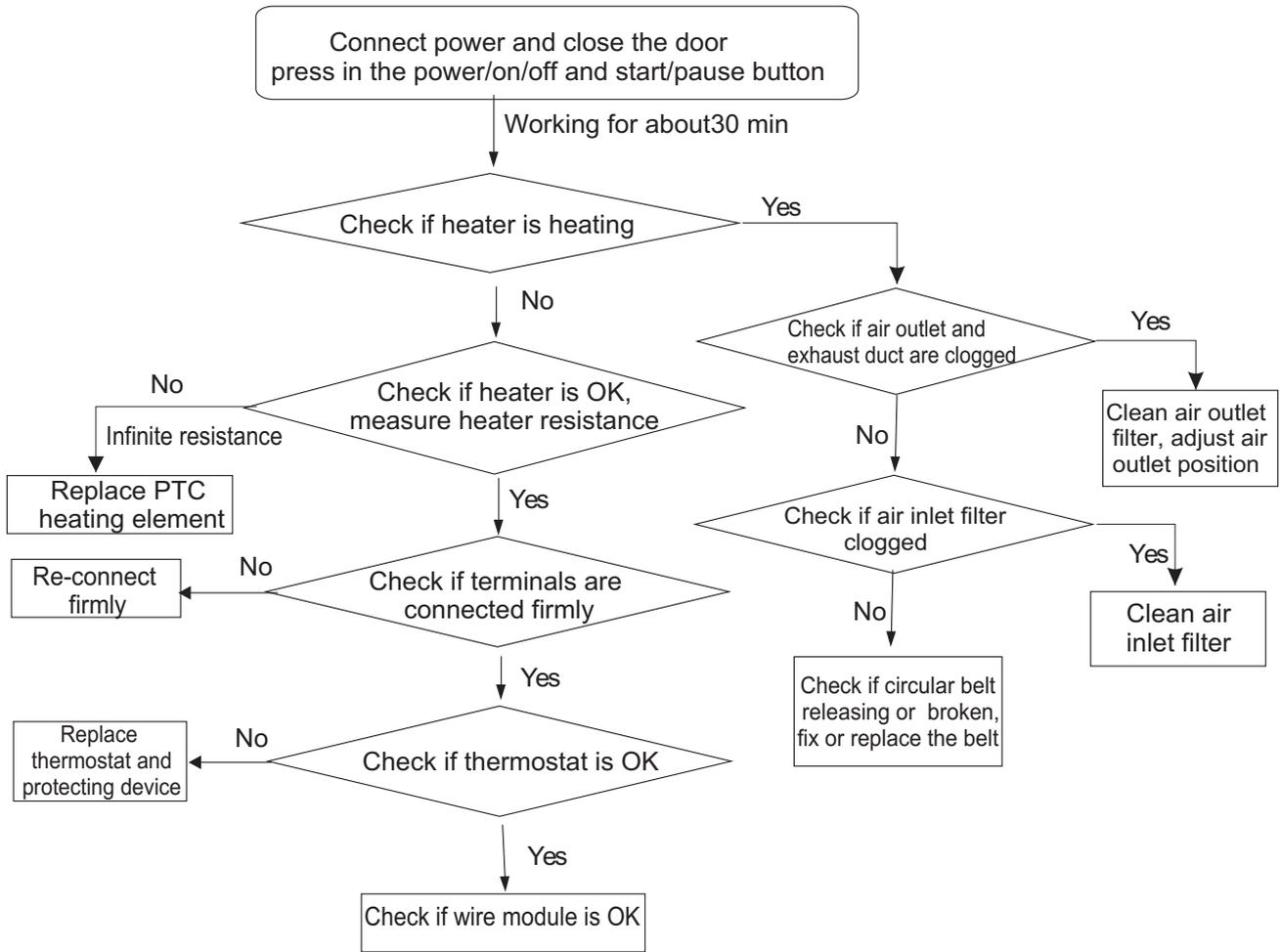


It heats but the drum does not rotate



## MAINTENANCE SERVICE AND TROUBLE SHOOTING

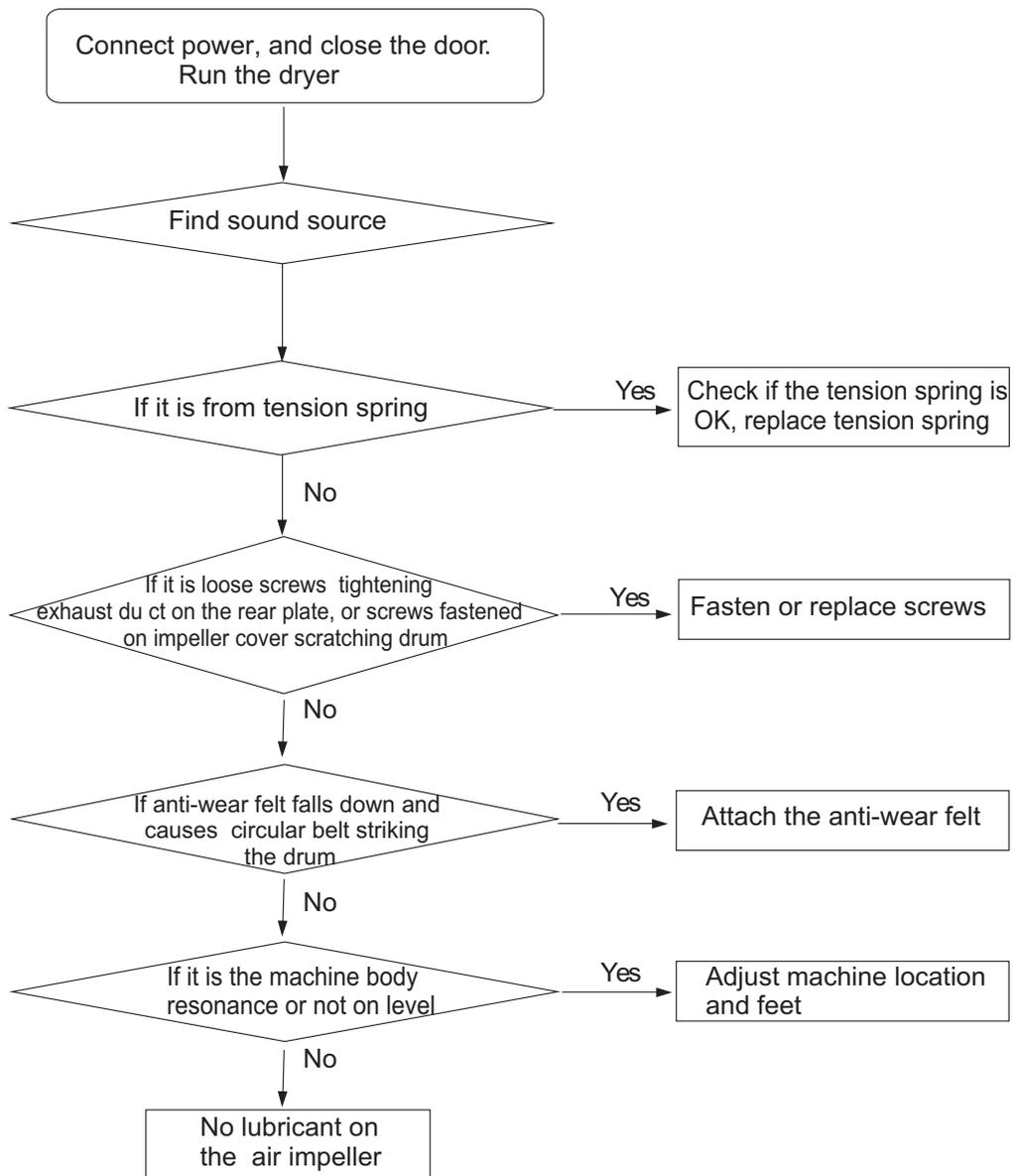
Drum rotates but it does not dry



MAINTENANCE SERVICE AND TROUBLE SHOOTING

Too big drying noise

The harsh sound, metal collision sound, belt sound and friction sound during drying are normal.



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