SUMMARY

The idea behind the unit is to dehumidify all season even if it is winter. This model features desiccant instead of compressor. Accordingly this model is not affected by room temperature. Also, desiccant type dehumidifier does not use harmful gasses, so it can be said as environmentally friendly.

It dries the air so that you can stay comfortable even when it’s humid or rainy outside. Also your furnishings, fabrics and clothes are kept in good condition, and it is easy to dry your laundry and dry it quickly. Desiccant type is quieter than the compressor type, therefore you can dry the laundry at night and it will be dried in the morning. OFF-timer function which can be selected 2 hours, 4 hours, or 8 hours enables you to use the unit more conveniently especially at night.

OPERATIONAL FEATURES

1. COMPRESSORLESS DEHUMIDIFIER

This model uses desiccant rotor technology and is environmentally friendly with no harmful gasses & quiet in operation.

2. AUTOMATIC OPERATION

Once the desired function has been set, the humidity sensor controls room humidity automatically. And it is memorized as long as it remains connected to the wall outlet. In the event of power failure, the appliance will continue to operate at the selected setting prior to the power failure.

3. LAUNDRY MODE

This mode can dry rapidly the hanged laundry in the room. You can select Turbo Laundry Mode or Saving Dry Mode depending on the amount of laundry.

4. AUTO SWING LOUVER

It can be selected 3 way angles, wide angle (150°), front angle (60°), or upward angle (90°). The auto swing louver mode is useful for speeding up the drying of laundry evenly.

5. TIMER OPERATION

The unit will turn off after the designated period of time (2, 4, 8 hours).

6. ANTI BACTERIAL FILTER

Nano-silver embedded in the filter kills bacteria on contact, improving the quality of air in your home or office.

7. DOWNWARD ADJUSTABLE MANUAL LOUVER

Downward louver enables the unit to blow downward angle air of about 50˚. This louver is useful for drying shoes, bathroom floor and shoe locker by sending the dried air directly.

1. DESCRIPTION

Fig.A FRONT
A1 Louver
A2 Downward adjustable louver
A3 Wide / Spot adjustable louver
A4 Air outlet
A5 Front panel
A6 Power supply cord
A7 Power plug
A8 Operation panel
A9 Water tank
A10 Water gauge
Fig. B REAR
B1 Carrying handle
B2 Air intake grille (Pre-filter)
B3 Air intake
B4 Water outlet drain for continuous drain operation
Fig. C OPERATION PANEL
C1 Power button
C2 Auto dry mode button
C3 Laundry mode button
C4 Auto swing button
C5 Timer button
C6 Full lamp (When the tank filled up with water, the lamp will light.)
C7 Check / Low humidity indicator lamp
C8 Timer indicator lamp
C9 Wide louver setting indicator lamp
C10 Front louver setting indicator lamp
C11 UP louver setting indicator lamp
C12 Turbo laundry mode lamp
C13 Saving laundry mode lamp
C14 High dry mode air flow lamp
C15 Low dry mode air flow lamp
C16 Auto dry mode air flow lamp

2. SAFETY TIPS

IMPORTANT

- Read instruction carefully before operation.
- The unit should be operated when the room temperature is between 1°C to 40°C.

WARNING

This appliance is intended for use in a domestic environment only. Any other use is not recommended by the manufacturer and may cause fire, electrical shocks or other injury to person or property. When using electrical appliances, basic safety precautions should always be followed:

- DO NOT operate the unit with a damaged cord or plug, after it malfunctions or has been dropped or damaged in any way. Return to an authorized service facility for examination and repair.
- This unit should always be kept in an upright position to avoid any damage. Locate the unit on a flat stable surface.
- Check the household voltage to ensure it matches the units rated specification before operating.
- Ensure that the air inlets and outlets are not blocked or covered.
- DO NOT place the unit too close to curtains or other objects - minimum distance 40cm.
- When using the “LAUNDRY MODE” to speed up the drying of wet clothes in the room, please keep the clothing at a safe distance from the unit to prevent water from dropping onto the unit.
- NEVER place anything on top of the unit and do not cover with any kind of material while in use.
- This product is intended for domestic and light office use ONLY and not for commercial, industrial or outdoor use.
- To protect against electrical shocks, DO NOT immerse unit, plug or cord in water, or spray with liquids. NEVER unplug the power cord without pressing the “POWER” button first, as this could damage the unit.
- ALWAYS unplug the unit when not in use or movement location. To disconnect from the power supply, grip the plug and pull from the power socket. NEVER pull by the cord.
- ALWAYS empty the water tank before storing the unit away.
- Using the dehumidifier in front of a warm radiator can result in the dehumidifier not collecting any water because of the heat from the radiator.
- DO NOT run power cord under carpets, rugs, or floor mats of any kind. Arrange the cord away from areas where it may be tripped over.
- NEVER operate or store the unit in direct sunlight.
- To repair the unit, take it to a qualified service engineer. Repairs carried out by unqualified people may cause damage to the unit or injury to persons or property and void the warranty.
- Where possible, avoid the use of an extension cable as they may overheat and cause a risk of fire. Only use an extension cord after ensuring it is in perfect condition.
- DO NOT use the unit without the air filter and make sure that the filter is kept clean to avoid malfunction and invalidating the warranty.
- 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.

3. OPERATION

UNIT SET UP (Fig. F)

- Place the unit in an upright position on a stable, flat surface.
- Ensure that the unit is a safe distance away from a wall or furniture (Fig. F1).
- Keep clothes at a safe distance of 40 cm from air outlet of the unit to prevent water dripping into the unit.

CAUTION

- Keep suitable space as above. (F2)
- DO NOT insert small objects into the unit or this will damage it and cause a hazard. (F3)
- DO NOT remove water tank when running or water may leak. (F4)
- Ensure that the water tank is fitted correctly, if the tank is full or is not in place, the “FULL” lights and the machine stops. (F4)
AUTO DRY MODE
OPERATING STEPS:
1. PRESS "POWER" BUTTON (C1) TO "ON".
2. PRESS AUTO DRY MODE BUTTON.
   Press the "AUTO DRY" mode button (C2) to set your desired mode "AUTO", "LOW" or "HIGH".
   AUTO mode (C16)
   Keeps the room at a comfortable relative humidity (rh) level.
   The unit automatically keeps room humidity at 45-50%rh with automatic high or low fan speed.
   LOW mode (C15)
   Run in low fan speed.
   The unit automatically dehumidify in low fan speed and low heat.
   HIGH mode (C14)
   Super dry mode to prevent condensation.
   The unit automatically keeps room humidity at 35-40%rh to prevent condensation in the room.
3. PRESS AUTO LOUVER BUTTON
   Press the Auto louver button (C4) to select your desired air louver angle (C8, C10, C11). Please refer to the detailed instruction at below.

STOP OPERATION
Press the "POWER" button (C1) and all lights will go out.
CAUTION: After turning the appliance OFF using the Power button, the fan will continue to run for two minutes. This is a normal procedure and helps to cool and protect the internal components. During these two minutes, DO NOT remove the power plug from the electrical socket outlet; wait for the fan to stop running.

LAUNDRY DRY MODE
OPERATING STEPS:
1. PRESS "POWER" BUTTON (C1) TO "ON".
2. PRESS LAUNDRY DRY MODE BUTTON.
   Press the "LAUNDRY DRY" mode button (C3) to set your desired mode "SAVING" or "TURBO".
   SAVING mode (C13)
   Suitable for when the laundry amount is small or in summer to save power.
   The unit automatically shifts to provide warm air or fan air depending on the room temperature. Assists to dry clothes with low power and lower room temperature.
   TURBO mode (C12)
   Suitable for when the laundry amount is large or in winter to dry clothes effectively.
   The unit automatically provides heated air to dry clothes faster with higher power.
3. PRESS AUTO LOUVER BUTTON
   Press the Auto louver button (C4) to select your desired air louver angle. (C9, C10, C11) Please refer the detailed instruction at below.
4. STOP OPERATION
   Press the Power button (C1) and all lights will go out.
   CAUTION: After turning the appliance OFF using the Power button, the fan will continue to run for two minutes. This is a normal procedure and helps to cool and protect the internal components. During these two minutes, DO NOT remove the power plug from the electrical socket outlet; wait for the fan to stop running.

AUTO SWING LOUVER (Fig. G)
By pressing the Auto Louver button (C4), select your desired air louver angle and the Louver setting indicator lamp will light.
   UP ➞ FRONT ➞ WIDE ➞ HOLD (Lamp off) ➞ UP
   UP (G1) ......... The automatic louver swings in an upward range of approx. 90°
   FRONT (G2) .... The automatic louver swings in a front range of approx. 150°
   WIDE (G3) ...... The automatic louver swings in a wide range of approx. 150°
   HOLD ............ The automatic louver stops swinging when you press Auto louver button and turns the lamp off.
   The auto louver modes are useful for speeding up the drying of washing, wardrobes and walls because the fact that the airflow is hitting the surface of whatever it is that you want to dry will speed up the drying process as the water molecules will be forced out faster.

WIDE / SPOT ADJUSTABLE LOUVER (Fig. H)
Wide blowing (H1) ➞ Adjust the blades outwards for an expanded airflow.
Spot blowing (H2) ➞ Adjust the blades inwards for a spot airflow.

DOWNWARD ADJUSTABLE LOUVER (Fig. I)
1. To pull out the louver, holding both ends and pull out. Lock the louver by turn the portion upward central. (I1)
2. To place back the louver, unlock the louver by pushing the portion downward central. Holding both ends and push back. (I2)

TIMER OPERATION
Auto turning OFF:
Press the Timer Key (C5) to select your desired running time (2, 4 or 8 hours) (C8). The unit will automatically switch off at the end of the selected time period. As the time counts down, the lamp (4 or 2 hours) will indicate the time remaining.
When no Timer is set (the lamp is off), the unit will run continuously unless the water tank is already full.
   2hours ➞ 4hours ➞ 8hours ➞ Continuous (lamp OFF) ➞ 2hours

CONTINUOUS DRAINAGE MODE (Fig. E)
For continuous drainage, use a hose with an inner diameter of 12mm and outer diameter of 14mm-16mm.
1. Remove the water tank.
2. Use a screwdriver to remove the knockout at the back. (E1)
3. Press the Timer Key (C5) to select your desired running time (2, 4 or 8 hours) (C8).
4. The unit will automatically switch off at the end of the selected time period. As the time counts down, the lamp (4 or 2 hours) will indicate the time remaining.
   When no Timer is set (the lamp is off), the unit will run continuously unless the water tank is already full.
   2hours ➞ 4hours ➞ 8hours ➞ Continuous (lamp OFF) ➞ 2hours

CLEANING SURFACE
1. Turn off the unit, wait for the fan to stop and unplug from the power socket.
2. Clean the surface with a soft damp cloth.
3. Dry thoroughly with a towel after cleaning.
4. In order to avoid damage, do not wash the unit with water, or let water drip into the air inlet or outlet.

CLEANING AIR INTAKE GRILLE (Fig. J)
If the filter is covered with dust, the airflow and the performance of the unit will be affected. It is recommended to check and clean the air filter every 2 weeks.
1. Turn off the unit and remove the filter from the unit. (J1)
2. Clean the nano-silver filter with a vacuum cleaner or wash with water (under 40°C). (J2) If you wash with water, dry it completely at shaded area.
3. Replace the filter in position.

CLEANING SURFACE
1. Turn off the unit, wait for the fan to stop and unplug from the power socket.
2. Clean the surface with a soft damp cloth.
3. Dry thoroughly with a towel after cleaning.
4. In order to avoid damage, do not wash the unit with water, or let water drip into the air inlet or outlet.
5. LONG-TERM STORAGE
At the end of each season, or when you do not plan to use your unit for an extended period of time, the following procedures are recommended.
1. Turn off the unit, wait for it to stop and unplug from the power socket.
2. Clean and dry the water tank. Leave the unit to drain for approximately one day.
3. Clean the filter and the unit. Cover the unit to prevent it from gathering dust. Store upright in a cool dry place. DO NOT expose to direct sunlight.

6. TROUBLESHOOTING

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit does not work</td>
<td>- Power cut.</td>
<td>- Wait for power to be supplied again.</td>
</tr>
<tr>
<td></td>
<td>- The plug has been plugged improperly.</td>
<td>- Plug in again.</td>
</tr>
<tr>
<td></td>
<td>- The full-tank indicator is ON. Tank is full.</td>
<td>- Remove the drain water from the water tank.</td>
</tr>
<tr>
<td>The device does not dehumidify.</td>
<td>- The water tank is full.</td>
<td>- Remove the water from the water tank.</td>
</tr>
<tr>
<td></td>
<td>- The water tank has not been replaced correctly.</td>
<td>- Place the water tank in the correct position.</td>
</tr>
<tr>
<td></td>
<td>- The air filter is clogged.</td>
<td>- Clean the air filter.</td>
</tr>
<tr>
<td></td>
<td>- The temperature in the room where the dehumidifier is operating is too low.</td>
<td>- The machine does not dehumidify below 1°C, it is highly unlikely at that temperature that there is any moisture to remove anyway. The dehumidifier dries down to the target relative humidity set and then goes into fan only mode until the relative humidity goes above the set point again.</td>
</tr>
<tr>
<td>The dehumidifier works, but reduces the relative humidity insufficiently / there is little water in the water tank.</td>
<td>- The house is too large.</td>
<td>- Recommend to use a dehumidifier with a greater capacity.</td>
</tr>
<tr>
<td></td>
<td>- There are too many source of moisture.</td>
<td>- Recommend to use a dehumidifier with a greater capacity.</td>
</tr>
<tr>
<td></td>
<td>- Bathing, washing, drying clothes and cooking all puts moisture into the air. Calor gas heating can add too much moisture into the air for a dehumidifier.</td>
<td>- Recommend to use a dehumidifier with a greater capacity. Consider using a different heat source to a calor gas heater.</td>
</tr>
<tr>
<td></td>
<td>- The air filter is blocked.</td>
<td>- Clean the air filter.</td>
</tr>
<tr>
<td>Dehumidifier is blowing out warm air.</td>
<td>- The dried air is past over a heating element before it is blown into the room as part of the dehumidification process.</td>
<td>- This is normal, a dehumidifier is not an air cooler.</td>
</tr>
</tbody>
</table>

7. SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TD-Z110</th>
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</thead>
<tbody>
<tr>
<td>DEHUMIDIFYING CAPACITY</td>
<td>11 L/D (20°C/60%rh)</td>
</tr>
<tr>
<td>POWER SOURCE</td>
<td>Single Phase 220V~240V, 50Hz</td>
</tr>
<tr>
<td>POWER CONSUMPTION</td>
<td>740 W (High) / 400 W (Low)</td>
</tr>
<tr>
<td>OPERATING CURRENT</td>
<td>3.2 A</td>
</tr>
<tr>
<td>WATER TANK CAPACITY</td>
<td>3.8 L</td>
</tr>
<tr>
<td>OPERATING TEMP. RANGE</td>
<td>1°C ~ 40°C</td>
</tr>
<tr>
<td>DIMENSIONS (WxHxD)</td>
<td>217 x 528 x 462 mm</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>8.2 kg</td>
</tr>
</tbody>
</table>
LIMITED WARRANTY

TOYOTOMI CO., LTD. ("TOYOTOMI") warrants each product and any parts thereof sold by it to be free from defects in materials or workmanship under normal use and service for TWENTY FOUR (24) MONTHS from the date of delivery to the original purchaser at retail subject to the following terms and conditions:

WHAT IS COVERED: Product or any parts thereof which are defective in materials or workmanship.

WHAT IS NOT COVERED:
This warranty does not extend to any defect due to the negligence of others; failure to install, operate or maintain unit in accordance with instructions (operating and maintenance instructions are furnished with each new unit); unreasonable use, accidents, alteration, use of unauthorized or non-standardized TOYOTOMI parts and accessories; electrical malfunction, i.e., as resulting from large power surges, short circuit, etc.; incorrect installation; or repair by anyone other than a service facility specified by TOYOTOMI.

WHO IS COVERED: The original purchaser at retail.

WHAT WE WILL DO: TOYOTOMI will either repair or replace, at its opinion, all defective parts free of charge that are covered by this limited warranty on a carry-in basis, to your nearest authorized dealer or distributor of TOYOTOMI.

WHAT YOU MUST DO FOR WARRANTY SERVICE: You must return the defective Product or part to any authorized dealer or distributor of TOYOTOMI with this LIMITED WARRANTY. If service is not available locally, please contact our CUSTOMER RELATIONS DEPARTMENT at:

TOYOTOMI EUROPE SALES B.V.
E-MAIL: info@toyotomi.eu
INTERNET: www.toyotomi.eu

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No other than TOYOTOMI has authority to extend or modify the terms of this Limited Warranty in any manner whatsoever.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.