

Instructions manual

10,16,32-drawer pollen dryer



LYSON LYSON

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The manual covers following devices (codes):

32672 , 32673 , 32674

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Product images are for illustrative purposes only and may sometimes differ from the actual appearance of the item. However, this does not change their basic properties.



BEE POLLEN DRYER
Pollen dryer 10-drawer (capacity 59L.)
Pollen dryer 16-drawer (capacity 100L.)
Pollen dryer 32-drawer (capacity 220L.)
POWER SUPPLY 230VAC

Before first use read the manual carefully and follow the instructions contained therein. The manufacturer is not liable for damage caused by equipment used inappropriately or by incorrect handling. Do not cover vent openings at the back of the device and in the devices front door

**THE OUTER SURFACE OF THE DRYER MAY
BECOME VERY HOT**

1. General safety instructions



1.1. Electrical safety

- a) Connect the device to a socket with voltage specified on the rating plate of the product.
- b) The electrical supply system must be fitted with a residual-current circuit breaker with rated tripping current not higher than 30mA. Performance of the circuit breaker should be checked periodically.
- c) Periodically check the condition of the power cord. Replace the power cord if damaged. Replacing the power cord can only be performed by the manufacturer or by qualified personnel. Do not use the device if the power cord is damaged!
- d) In the event of damage to the device, to avoid any health and safety risks, repairs should be carried out only by qualified personnel.
- e) Do not pull the power cord. Keep the power cord away from heat sources and sharp edges to ensure its good condition.

1.2. Operation safety

- a) The device is not intended for use by persons (including children) with limited physical, sensory or mental abilities, or by inexperienced users, unless under supervision or with instructions given by an accountable party.
- b) Protect against moisture
- c) Do not use near flammable materials or objects
- d) Never carry out any maintenance or repairs during operation
- e) For indoor use only. The device is not suitable for outdoor use.

2. Product description

Drying of pollen should be done at 35°- 40°C

(it is important that the pollen is not overheated because, like honey, it loses its properties at temperatures above 40°C).

Pollen intended for drying should be placed in drawers.

It is recommended to move and stir the pollen several times during the drying, especially in the first drying phase. The pollen drying process lasts from 1-3 days, depending on humidity. Well-dried pollen forms hard, dry lumps which cannot be crushed with fingers. Water content in dried pollen must not exceed 6%. After drying, pollen should be stored in an airtight container, in a dry, cool place.

2.1. Technical specifications:

- main body – acid resistant stainless steel
- power supply: 230 VAC
- heating power : 0,5 kW
- total power rating : 0,6 kW
- temperature : 35 - 90°C
- max operation time 30 h
- single drawer capacity: approx. 1 kg
- drawer dimensions: W: 265, D: 280, H: 20 mm
- dimensions: W: 300 mm, D: 400 mm, H: 320 mm
- weight 8,32 kg

a. Pollen dryer 10-drawer (capacity 59L.)

- 6. -main body – acid resistant stainless steel
- 7. -power supply: 230 VAC
- 8. -heating power : 1,0 kW
- 9. -total power rating : 1,1 kW
- 10. -temperature adjustment: 40 - 90°C
- 11. -max operation time 15 h. or non stop
- 12. -single drawer capacity: approx. 2 kg
- 13. -dimensions: W. 420 mm, D: 550 mm, H: 380 mm
- 14. - the dryer has the possibility of dismantling the rear ventilation and heating element
- weight 18 kg

Product design



- 1-temperature control knob
- 2-timer control knob
- 3-control panel
- 4-drawers
- 5-outer casing
- 6-door

B. Pollen dryer 16-drawer (capacity 100L.)

- main body – acid resistant stainless steel
- power supply: 230 VAC
- heating power : 1,4 kW
- total power rating : 1,74 kW
- temperature adjustment: 40 - 90°C
- max operation time 15 h or non stop
- single drawer capacity: approx. 2 kg
- dimensions: W: 420 mm, D: 550 mm, H: 630 mm
- the dryer has the possibility of dismantling the rear ventilation and heating element
- weight 27 kg

Product design



- 1-temperature control knob
- 2-timer control knob
- 3-control panel
- 4-drawers
- 5-outer casing
- 6-door

C. Pollen dryer 32-drawer (capacity 220L.)

- main body – acid resistant stainless steel
- power supply: 230 VAC
- heating power : 3,2 kW
- total power rating : 3,8 kW
- temperature adjustment: 40 - 90°C
- max operation time 15 h or non stop
- single drawer capacity: approx. 2 kg
- dimensions: W: 420 mm, D: 630 mm, H: 1420 mm
- weight 56kg

Product design



- 1-temperature control knob
- 2-timer control knob
- 3-control panel
- 4-drawers
- 5-outer casing
- 6-door

3. Instructions of use



NOTE!

Before first use, run the dryer without drawers at the highest temperature setting and let it burn in for several minutes.

- 1.The dryer should be used on a clean, dry surface.
- 2.Set the power switch and timer knob to "OFF" position.
- 3.Plug the dryer into a standard wall socket with a 230 V, 50 Hz grounded connection.
- 4.Position the dryer at a distance of at least 30 cm from the wall to allow proper air circulation. Do NOT block the ventilation openings at the back or on the appliance's door.
- 5.Remove the drawers from the dryer. Fill them up with bee pollen. Arrange the shelves so that they do not touch each other. Leave enough space to ensure proper air circulation.
- 6.Set the power switch to "ON" or "TIME".
- 7.Set the temperature control knob to the desired temperature. It is recommended to place an additional thermometer inside the dryer (not supplied) to monitor the temperature setting. Correct the temperature control knob if necessary.
- 8.Set the timer knob to the desired drying time. Use the ON button to switch the dryer on.
- 9.Preheat the dryer for 5 – 10 minutes before loading the pollen drawers into the machine.
- 10.Mount the dryer door. Make sure that the sides of the door are properly secured.
- 11.Water droplets may form on the surface of some products during drying process. They can be removed by wiping the product with a clean towel or paper towel. Be careful as the dryer heats up considerably during operation!

NOTE: Drying times may vary depending on several factors, such as external and internal humidity, air temperature, etc.

The optimal ambient temperature in which the dryer operates is 21°C. When the machine is operating at a higher or lower temperature, the temperature indicated on the temperature control knob may not be accurate.

3. Storage

Before first use and after finishing work the equipment must be thoroughly cleaned and dried.

While cleaning ensure the safety of all electrical components like motors and controller panels.

Store the device in a dry and frost-free room.

Do not use the device when the ambient temperature is below 0°C.

If the device has been moved from a cold room to a room with a higher temperature, before switching on wait until it reaches the ambient temperature and all condensation water evaporates.

An additional technical check should be carried out before the

start of the pollen harvesting season, and if any defects are found, please contact the manufacturer.

5. Cleaning and maintenance



IMPORTANT

**Unplug the device from the power supply outlet before performing any maintenance!
Beware of sharp casing edges.**

Before first use the equipment must be thoroughly cleaned and dried.

While cleaning ensure the safety of all electrical components like motors and controller panels.

Clean with hot water using detergents allowed in food industry using a soft cloth.

After cleaning rinse the device and allow it to dry thoroughly.

Store the device in a dry and frost-free room.

Do not use any chemical agents to protect the devices elements.

15. Waste disposal and environmental protection

The used product must be disposed in accordance with the local regulations. Return the device to a collection point from where it can be submitted for environmentally compatible recycling.

The consumer has the right to return used equipment directly to the manufacturer's distribution network, free of charge, while replacing it with a new unit as long as the used device is of the same kind and same application as the newly purchased device.

16. Warranty

The product purchased from the Lyson Company is covered by a manufacturer's warranty. The warranty period is 24 months from the date of purchase.

All purchased products come with receipts or VAT invoices.

Warranty details at: www.lyson.com.pl