

# **MANUAL**

## **Pollen fanner „OPTIMA”**



**Przedsiębiorstwo Pszczelarskie Tomasz Łysoń**

Spółka z o.o. Spółka Komandytowa  
34-125 Sułkowice, ul. Racławicka 162, Polska  
[www.lyson.com.pl](http://www.lyson.com.pl), email: [lyson@lyson.com.pl](mailto:lyson@lyson.com.pl)

tel. 33/875-99-40, 33/870-64-02

Company located: Klecza Dolna 148, 34-124 Klecza  
Górna

**The following manual encompasses the device bearing the following code:**

W3215

**Manual**

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# POLLEN FANNER POWER SUPPLY 230V

Prior to device usage initiation, refer to the following manual and act according the guidelines contained therein. The manufacturer shall not be held accountable for any damages caused by improper usage of the device or its improper handling.

## 1. General safety operational principles for the device.



### 1.1. Electrical safety

- a) The device should be connected to a socket with earthing with the voltage specified on the nominal plate.
- b) Electric installation must be equipped with RCD having the nominal activation current below 30 mA. The operation of the over-current circuit breaker must be checked periodically .
- c) Check the state of a supply cable periodically. If the supply cable gets damaged, it must be replaced. In order to avoid the threat, it must be performed by a guarantor or by a specialised servicing centre or by an authorised person. Do not operate the honey extractor when a supply or connecting cable are damaged.
- d) In case of any damage to the device, in order to avoid the danger, the repairs may be performed solely by a specialist servicing centre or a qualified person. It is forbidden to pull the power supply cable.
- e) Power supply cable should be kept away from heat sources, Sharp edges and its good state must be taken care of.
- f) Prior to plugging in the device to the mains, check whether controller is switched off. Switch on the controlling panel should be in "0" position . Be careful while connecting the device to the mains. Hands must be dry. Floor on which the device has been placed must be dry!
- g) Do not displace while the fanner is under operation.



### 1.1. Operational safety

- a) The following equipment is not intended to be used by persons with limited physical, sensory or mental capabilities (including children) or persons inexperienced or unfamiliar with that type of equipment unless the usage occurs under supervision or in line with the equipment operating manual provided by safety supervising persons.
- b) Protect the controller and the engines against humidity (also during storage)
- c) Do not operate the device in the vicinity of flammable materials
- d) It is forbidden to perform any maintenance works during operation.
- e) The device can be activated indoors only. It is not adjusted for outdoor operation.

- f) The device cannot be activated and stored with the ambient temperature below 0° C.
- g) Fanner cannot be activated when the ambient temperature drops below 5° C. When the it has been moved from a room with a lower temperature to a room with a higher temperature, prior to its activation one must wait until the device has achieved the ambient temperature.
- h) All shields must be firmly fixed to the fanner while in operation.



- i) It is forbidden to remove any shields while under operation.



- j) It is forbidden to make any repairs while under operation

## 2. Device characteristics

The device is dedicated to separate pollen from impurities. Fanner is made of powder coated black steel. While the elements coming into contact with the pollen are made of stainless, acid-resistant steel. The device is driven by two motors. The fanner consists of a centrifugal fan and a set of two movable sieves. The sieves are made of mesh with the eye dimension of 3x3 mm and 1x1 mm

### 2.1. Cleaning the pollen

Pollen must be dried thoroughly prior to the clearing process. The fanner has a proper design of a propeller generating the air blast to blow out the impurities. The design of the device allows to regulate:  
-operating speed of the sieves  
-fan propeller speed

### 2.2. Fanner compositions

- 1) Fan controller (**F**) and sieve controller (**E**) allow to regulate the rotations smoothly
- 2) Protection against the bodily injuries to be caused by the rotor.
- 3) Centrifugal fan made of four flat blades.
- 4) A set of two sieves reinforced with a mesh made of stainless steel wire, where the thickness is 0.5 mm and the mesh size is 3 mm and 1 mm
- 5) Pollen chute, dimensions 245x205mm. (**D**)
- 6) Fan. (**A**)

## 5. Cleaning and maintenance



### IMPORTANT!

Prior to the maintenance, the plug must be taken out from the mains!



Prior to the first use, clean and dry the device thoroughly. The device shall be washed with hot water with added agents permissible to be used in food industry. While cleaning the device, remember to protect electric elements. After washing, rinse with pure water thoroughly and dry. The device is to be stored in a dry room. None of the device components can be maintained with chemical agents.

## 6. Recycling

Worn-out product must be removed as waste only within selective waste collection organised by the Network of Communal Electric and Electronic Waste Collecting Points. A customer is entitled to return the used equipment to the electrical equipment distributor network, at least free of charge and directly, if the device to be returned is of proper type and serves the same purpose as the newly purchased device.

## 7. Guarantee

The products purchased in "Lysoń" company are encompassed by the manufacturer's guarantee.

The guarantee period equals 24 months

A receipt or a VAT invoice is issued for each product purchased.

Guarantee terms details, see [www.lyson.com.pl](http://www.lyson.com.pl)

### 2.3. Technical data:

-h./w./l.	-900/400/650 mm.
-weight	-22 kg.
-power supply voltage	-230V/50Hz
-Fan motor	-87W
-sieve motor	-250W

### 3. Controller

The controller installed in the fanner allows to regulate the fan rotations ad sieve rotations smoothly by means of a potentiometer.

### 4. Device storage

When the operating activities have terminated, clean and dry the device thoroughly.

Store in dry rooms in the temperature above 0° C

Before every season additional technical inspection must be performed and in case any faults are detected a service point must be contacted.