

Instructions Manual

BASIC LINE – manual and electric drive honey extractors



LYSON

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This manual covers following devices (codes):

W224BB, W224BB_A, W2027BB, W2033BB, W2033BB_A, W2026BB,
W2026BB_A, W222BB, W223BB, W224BB_NEW, W2029BB, W2030BB,
W2027BB_NEW, W230BB, W266BB, W255BB,

Instructions Manual

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Tools needed for product assembly:

-electric model: - phillips screwdriver
- socket wrench 13
- allen key 3

-manual model: - phillips screwdriver
- socket 13
- allen key 3
- allen key 6

1. General safety instructions

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.

1.1. Initial remarks

1. Product designed to extract honey from uncapped frames
2. The device has to be cleaned before the first use and after finishing work according to the instructions in the "Cleaning and Maintenance" section. Use cleaning agents allowed in food industry.



2. Electrical safety

3. 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.
4. 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!
5. Make sure that the main switch is in „0” position before plugging the unit in.
6. Make sure that the nominal voltage of the device and power source are compatible.
 1. Carefully insert the plug into the mains socket. Make sure your hands and the floor surface in the room are dry!
 2. The cover must be closed during operation! Do not open the cover while the basket is rotating!
 3. Do not move the device during operation.
 4. Protect the motor and the control unit from moisture (also during storage).
 5. Do not pull the power cord.Keep the power cord away from heat sources and sharp edges to ensure its good condition.



2.1. Operation safety

1. 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.
This device is not a toy, and shouldn't be used as one. Children should not play with it.
2. In the event of damage to the device, to avoid any health and safety risks, repairs should be carried out only

by qualified personnel.

3. Never carry out any maintenance or repairs during operation or if the device is plugged in!
4. All covers must be firmly attached to the device during operation
Do not use or store the device at the ambient temperature below freezing. If the device has been moved from a cold room to a room with a higher temperature, before switching on wait until it reaches room temperature.



Never carry out any repairs during operation



Do not remove covers during operation

3. Instructions for use

2.1 General rules – preparation for use

1. Set the device up in a designated, clean, dry and well lit room.
2. Fasten the device to the floor surface to avoid any movement during operation

2.2 Operation instructions

1. Product designed to extract honey from uncapped frames
2. The device has to be cleaned before the first use and after finishing work according to the instructions in the "**Cleaning and Maintenance**" section.
3. Place the previously prepared frames in the basket of the honey extractor, paying particular attention to their correct positioning. Errors in the arrangement of the frames may cause damage, which is not subject to warranty!
4. Before start:
 - plug the power cord into the socket and switch the main switch from position "0" to "1",



Pozycja "1"

5. The beginning phase of the extraction process should be slow and gentle for both sides of the frames. It is the best way to prevent the frames/combs to be damaged. Special attention should be paid to the so-called "new combs" because of their relative softness.
6. Use the dedicated dial to adjust spinning speed.

Attention! The frames can be reversed or removed only after the basket has completely stopped!

7. After the basket has stopped turn the frames 180 degrees and extract the other side of the comb. We extract the frames in two stages, first lower speed both sides of the combs and then both sides of the combs again at higher speed.

8. Make sure the level of extracted honey in the extractor's tank is low enough to not restrict basket's movement. If such a situation happens, stop the extractor immediately and drain the extracted honey before resuming the process.

9. Place the honey container under the drain gate.

10. It is recommended to keep the drain gate open during extraction process so the honey can drain freely.

3. Product description

Tangential 2, 3, 4 comb extractors are used in small apiaries as well as by hobby beekeepers. They are characterised by compact dimensions as well as easy operation. Their design solutions make it possible to use them for extracting even the densest of honeys. The cone-shaped bottom of the product allows the honey to flow freely. Extractors packed in cardboard boxes for self-assembly.

3.1. Technical specifications – electric drive model

Drum

of the extractor is made of acid-resistant stainless steel sheet 0.6 mm thick. The appropriate arrangement of rims additionally strengthens the drum structure. The drum is covered with a protective plastic film which should be removed before the assembly of the product.

Basket

A tangential basket is made of stainless, acid-resistant rods 2 and 5 mm thick appropriately arranged to protect the frames from breaking during extraction. Mesh size 25x60 and 25x70 mm. The basket rotates on a sleeve bearing.

Electric drive

Extractors are powered with 230V. They are equipped with a speed control dial. The motor together with the gear reductor is mounted on the upper beam of the extractor.

Controller

Depending on the model, honey extractors are powered with the voltage of 230V, 12V or 230+12V. They are equipped with a simple controller with the main switch, speed control dial and a 15A fuse. Selected models may also have a basket rotation direction switch I-0-II.



IMPORTANT !!! Change of direction of rotation can only be done only after the basket has come to a complete stop!!!

Cover

Transparent, made of 3mm thick acrylic glass, protects the user from the danger of contact with the rotating basket.

Honey gate

Synthetic 6/4"

Dimensions:

- height depends on the model (Ø500, Ø600 low, Ø600 high)
- weight (600mm) – 24,5 kg
- weight (500mm) – 21 kg

Components of an electric drive honey extractor:

- drum with mounted motor covered with protective film and with a beam with screwed-on cover hinges
- assembly parts (hinges, knobs, screws)
- cover 2 pcs.
- synthetic honey gate
- controller
- legs
- instructions manual
- warranty card

Assembly parts:

Leg mounting:



a. leg mounting knobs - 6 pcs.

b. M8x20 bolt for the knob – 6 pcs



c. legs – 3 pcs



d. drain gate 1 pc

Controller mounting:



l. controller – 1 pc.

l1. M8 cap nut – 2 pcs



l2. washer 8 – 2 pcs



l3. M8x25 bolt – 2 pcs

Cover mounting:

e. front cover with holes - 1 pc.



Electrical model assembly

1. take the drum with the mounted motor out of the cardboard box
2. remove the protective film of the drum
3. pull out the set of elements for self-assembly
4. assemble the legs and valve
5. assemble the cover
6. assemble of the controller

e1. back cover with holes - 1 pc.



f. Cover handle mounting bolt – 1 pc



g. Cover handle – 1 pc.



h. screw 4,2x19 – 8 pcs.

Mounting controller



k



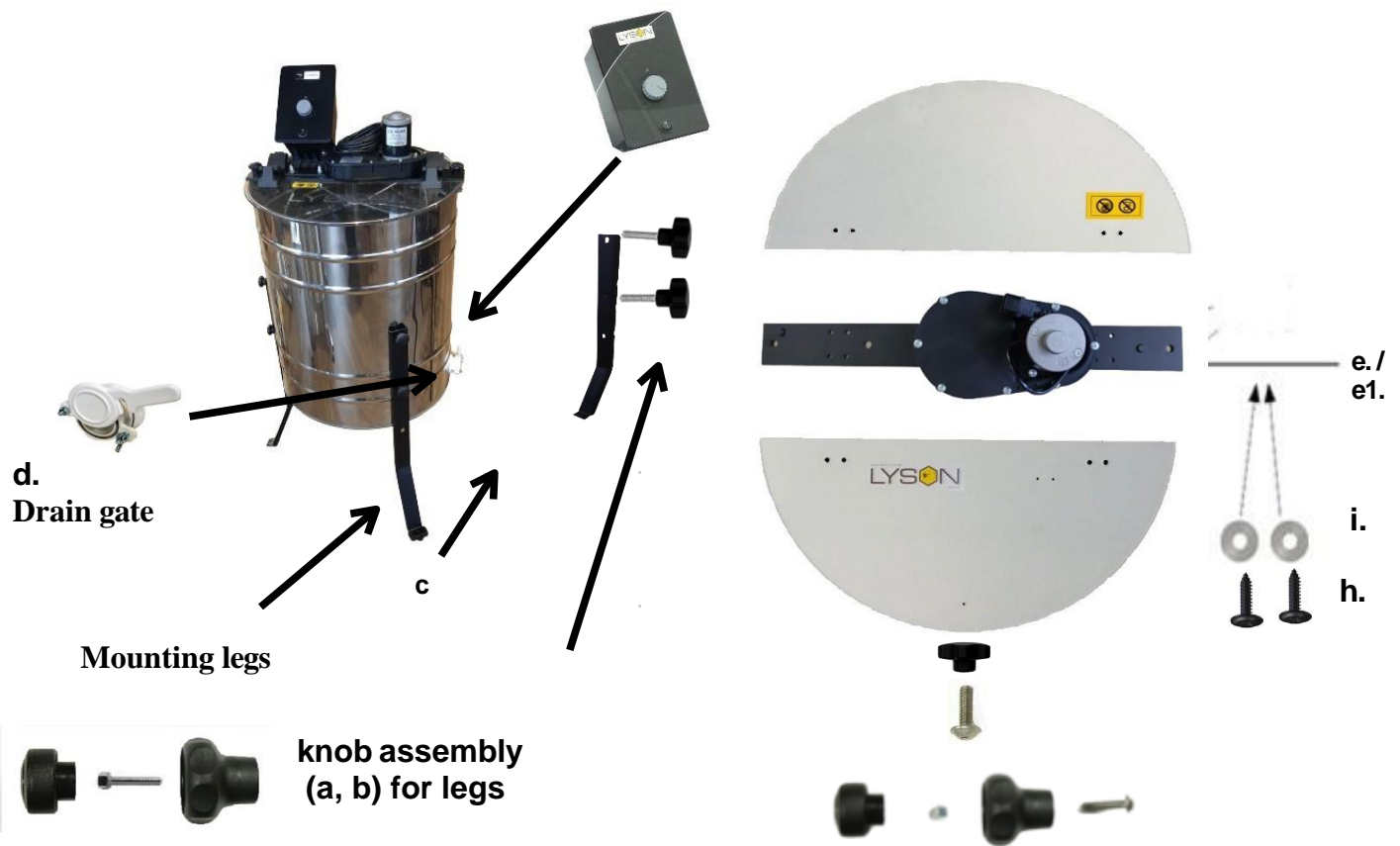
l.
l1.
l2.



i. Wide washer – 8 pcs



j. M5 cover handle nut – 1 pc.



Cover handle assembly (g, j, f)

3.2. Technical specifications – manual drive model

Drum

of the extractor is made of acid-resistant stainless steel sheet 0.6 mm thick. The appropriate arrangement of rims additionally strengthens the drum structure. The drum is covered with a protective plastic film which should be removed before the assembly of the product.

Basket

A tangential basket is made of stainless, acid-resistant rods 2 and 5 mm thick appropriately arranged to protect the frames from breaking during extraction. Mesh size 25x60 and 25x70 mm. The basket rotates on a sleeve bearing.

Manual drive

with a brake mounted on the upper beam of the extractor enables operation in conditions where there is no access to electricity. The casing of the manual drive is made of powder-coated metal. CNC steel gears transfer torque to the basket axis.

Cover

Transparent, made of 3mm thick acrylic glass, protects the user from the danger of contact with the rotating basket.

Honey gate

Cover mounting

Synthetic 6/4"

Dimensions:

- height depends on the model (Ø500, Ø600 low, Ø600 high)
- weight (600mm)– 24,5 kg
- weight (500mm) – 21 kg



g. Cover handle mounting bolt – 1 szt.

Components of a manual drive honey extractor:

- drum with mounted manual drive covered with protective film and with a beam with screwed-on cover hinges
- assembly parts (hinges, knobs, screws)
- cover 2 pcs.
- synthetic honey gate
- legs
- instructions manual
 - warranty card



h.

Cover handle– 1 pc.



i. 4,2x19 screw – 8 pcs



j. Wide washer 5 – 8 pcs



k. M5 handle nut – 1 pc.

Assembly parts:

Mounting legs



a. Leg mounting knobs - 6 pcs.



b. M8x20 bolt - 6 pcs



c. legs – 3 pcs



d. honey gate – 1 pc

Crank handle mounting



e. M8x110 allen bolt- 1 pc.



e1. Crank handle - 1 pc.



e2. M8 cap nut - 1 pc.

Cover mounting:

f. front cover with holes - 1 pc.

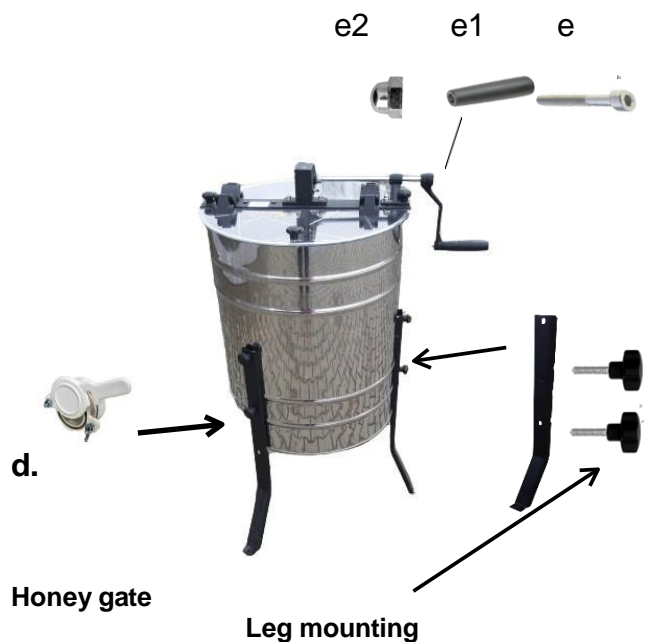


f1.back cover with holes - 1 pc.

Manual model assembly

1. take the drum with the mounted manual drive out of the cardboard box
2. remove the protective film of the drum
3. pull out the set of elements for self-assembly
4. assemble the legs and valve
5. assemble the drive crank handle
6. assemble of the cover

Crank handle mounting





Leg knob assembly (a, b)

i

Cover mounting

- pull out the basket
- clean the extractor
- put the basket back into the drum
- install the top beam with the drive and covers

4. Storage

Clean and dry the unit thoroughly after use.

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.

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

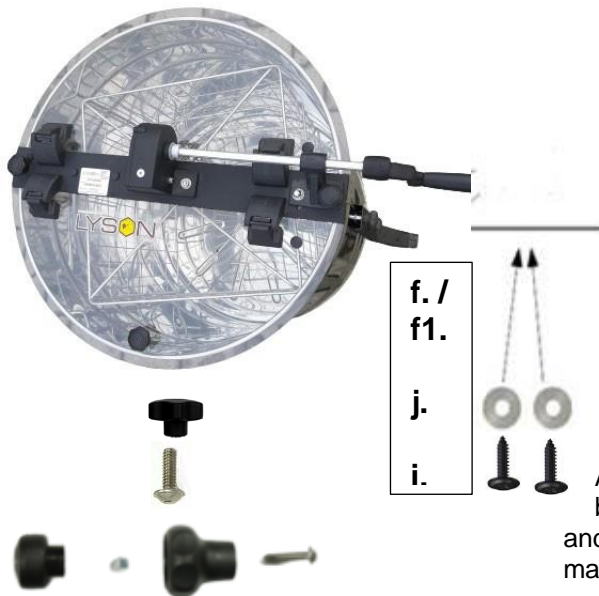
Do not use the device when the ambient temperature is below 5°C.

An additional technical check should be carried out periodically, and if any defects are found, please contact the manufacturer.

5. Cleaning and maintenance



Unplug the device before commencing any maintenance or cleaning procedures!



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 (for the time of washing cover them with waterproof fabric or plastic film).

No parts of the device require chemical conservation.

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.

IMPORTANT!!!

Wash the covers using warm (25°C) soapy water.

WARNING!!!

Do not use alcohol for cleaning.
(it may cause surface cracks on the plastic cover)

Cover knob assembly (h, k, g)

3.3. Basket demounting instructions

- unscrew the upper beam with the black knobs together with the drive unit and the covers

6. 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.

7. 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