



Item 107802 Honey separator

1 .Technical details:

Type of machine	:	Honey separator
Power	:	230V
Power consumption	:	2.4kW
Control mode	:	Single phased frequency converter
Speed control	:	0 – 350 RPM
Dimensions	:	130 x 100 x 130 cm
Item#	:	107802
Tariff code	:	84369900
Packaging	:	1 pcs
Weight	:	112 kg

Motor:

Power consumption	:	370W
Power	:	230V
Frequency	:	50Hz

Bottom heating

Power consumption	:	2000W
Power	:	230V
Temperature range	:	0 – 85° C

2. Safety instructions:

The separator is a rotating machine which should be operated only with the lid closed, otherwise there is a high risk of injury. The lid is divided in 2 parts; one is fastened with a clamp and the other one is equipped with a safety switch. The separator can only start when the lid is closed.

Never operate the machine without the safety switch! At the same time, never stop the operation of the separator with the safety switch.



3 . Start of operation

The separator has to be placed on an even floor with a non-slip surface. If not placed on a non-slip surface you must mount the legs of the separator to the floor.

After positioning the separator and the control, the control has to be connected to the motor. This is done by connecting the pre-assembled cable with the control through the connector.

The control must not be connected to the power supply before it has been connected to the motor!

Before starting the separator, honey should be filled into the separating pots up to the marked level. This way you will achieve an ideal separation of the honey-wax mixture from the start. (see image 1)



Image 1: separating pots with marked level

After the separating pots have been re-inserted, the distributor has to be placed at the lowest position. In this way the honey-wax mixture can easily flow in to the separating pots. (see image 2)



Image 2: Position of the distributor after re-inserting the pots



The honey-wax mixture can be fed directly from the extractor to the separator via the funnels. See image 3. Place the open honey gate of the extractor over the funnel so that the honey can easily flow into the funnel and the separator. Details about the required quantity can be found under point 4, operation of the extractor.



Image 3: Separator funnel

4. Operation of the separator

4.1 Speed and feeding

Before starting the separator, make sure that it is filled with enough honey. The honey must cover the bottom of the tank to avoid that the claw generates unnecessary air in the honey. After the described quantity has been filled in the separator you can start it. It is advisable initially to set the speed at the control to 60%. The speed can be increased or decreased according to the result of the separation. If the resting time of the honey in the separating pots needs to be prolonged, the rotation speed needs to be reduced. However, the speed should always be high enough so that the required separation of honey-wax mixture by the centrifugal forces are high enough. An increase of the rotation speed leads to a shorter time in the pots and therefore to an increased output. The output is limited by the capacity of the honey collector in the upper part of the separator. It is therefore vital not to feed more honey into the separator than the collector can hold. If the honey collector overflows, the feeding amount needs to be reduced.



4.2. Emptying of Pots

The separating pots need to be emptied from time to time. The time period between the emptying depends on the amount of wax in the honey. A sign for a required emptying of the pots is the increase of wax particles in the separated honey.

For emptying, take the separating pots out of the mountings. Afterwards the wax needs to be removed from the pots. Fill the separating pots with honey until the markings (see image 1) before re-inserting them.

Before removing the pots, the distributor has to be lifted and fixed (see image 4). After the wax has been removed and honey has been refilled, the separating pots can be re-inserted into the mountings. Afterwards the distributor needs to be lowered.



Image 4: fixed distributor

4.3. Floor Heating

The bottom of the separator is fitted with heating which is glued on at the outside. This enables the increase of the flow of the feeding honey-wax mixture.

The temperature needs to be regulated with the thermostat fixed to the outside of the separator (image 5). It is advisable to set the temperature between 40 and 65 °C.



Image 5: Thermostat floor heating