Agromelca

REAR COLLECTOR

DAY BY DAY
WE IMPROVE
THE WORLD OF
COLLECTING

DRIED FRUIT AND
OLIVE COLLECTORS

VTS VERSION

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M125GX-III

VTS series

The suspended rear collector for nuts

The **VTS** series is specially designed to overcome the limitations of rear collectors. This new series offers a totally different and innovative product with high specifications and great advantages for collecting nuts.

This machine is assembled on the rear of the tractor.

It offers great advantages such as its light weight, high performance, quick-release from the vehicle, its easy handling, fast unloading and great visibility when attaching it to the tree.

Head with three point closing

(serial)

- Very light weight.
- Attachment corrected at three points (does not damage branches, trunk or the fruit).
- Continuous circular vibration with the possibility of 30-40 % power variation with a very easy operation (5 min.) depending on the type of tree to harvest (almond trees).
- New clamping arms with double anchoring that allow us to attach them to trunks with diameters ranging from 8 to 40 cm.
- The outcome of the sum of the vibration type incorporated and the attachment system corrected at three points is that the yield percentages are excellent with no damage.

Optionally, the generic arms can be mounted for larger diameter logs.

Z10X head

(optional)

- Very light weight.
- Continuous circular vibration with the possibility of 30-40 % power variation with a very easy operation (5 min.) depending on the type of tree to harvest (almond trees).
- Fits on trunks with a diameter of between 8 to 50 cm.
- Excellent takedown percentage without damaging the tree.

Head fixing

- Head fixed by means of silentblocks to the platform structure (standard).

- Head fixed to free rotation support (optional).

Control panel and movements

The movements and vibration control are managed very comfortably and simply through an electronic cobra control.

VTS

- Opening and closing tarpaulins on the platform.
- Opening and closing vibration head arms.
- Left vibration + right vibration.
- Third hydraulic point.
- Front repositioning.

Movement and vibration control panel

- The movements and vibration control are managed comfortably and simply through an electronic cobra control.
- Simultaneous movements: extend umbrella canvases + close and open pincer + collect umbrella canvases.
- Automatic movements (optional equipment).

Control unit functions

OPEN OUT CANVAS + CLOSE PINCER ARMS

OPEN PINCER ARMS + CLOSE CANVAS

1

PRESSING THE BUTTON ACTIVATE THE SIMULTANEOUS. PUSHING THE JOYSTICK (WITHOUT PRESSING ANY BUTTON) THE UMBRELLA WILL EXTEND AND THE CLAMP WILL CLOSE AUTOMATICALLY. MOVE THE JOYSTICK IN THE OPPOSITE DIRECTION TO OPEN THE CLAMP AND WITHDRAW THE UMBRELLA. TO DEACTIVATE THIS FUNCTION PRESS THE BUTTON AGAIN.

AUTOMATIC SEQUENTIAL MOVEMENTS (Optional)

2

AUTOMATIC

How does it work?

When the collector is correctly positioned on the tree, activate it by pressing the button.

The collector performs the following actions automatically:

1. Extend canvas platform.
2. Open pincer arms.
3. Left vibration (if the operator has activated it).
4. Right vibration (if the operator has activated it).
5. Open pincer arms.
6. Retract canvas platform.

Tubular collecting platforms

Our **VTS** vibration devices are equipped with the new tubular iron platform.

- Iron tubular collector platform (60 cm).
- Standard diameter 6 - 6.5 m.
- Normal bar angle.
- Hydraulic adjustment of the positioning of the front of the platform. Front cylinder, through the tractor distributor, to facilitate fruit unloading.
- Canvas supplement (optional equipment).
- Two peelers and two fruit sorters.
- Hydraulic supply and regulation speed regulation of the peelers and augers.
- The speed of the peelers augers is maintained according to the regulation made by the operator, regardless of the tractor engine speed.
- Easy extraction of the peeler shaft for the replacement of the rubbers.
- Peelers and augers do not stop during vibration.
- Third hydraulic point with shock absorber (optional).
- Fruit storage capacity depending on the type of fruit (500-570 kg approximately).
- Installation of two augers inside the hopper to avoid accumulation of fruit at the peeler outlet.
- Unloading by means of an auger through the duct pipe to the front of the platform.
- Fruit unloading time 1 - 1.30 minutes.
- Drive of the unloading auger via the tractor's distributor.
- Hydraulic motor protector threaded unloading.
- Protection skid at the bottom of the unloading tube.

Hydraulic system configuration

We have always been committed to the reliability of our products, and therefore all the hydraulic components we install in our collectors are from renowned and top quality brands.

The VTS series model has the following hydraulic configuration:

1. 1 left vibration + 1 right vibration.
2. Vibration brake.
3. Adjustment by the user of the tightening force of the arms to the trunk.
4. The peelers do not stop when vibration is activated.
5. Separate peeler and fruit sorter speed adjustment.

6. The peeler and fruit sorter speed selected does not vary even if the vehicle is accelerated.

7. Hydraulic system made up of a double pump with multiplier (540 RPM normal).

8. Oil exchanger.

9. Oil tank integrated into the chassis.

10. Hydraulic speed regulation of the movements.

11. Hydraulic block vibration + movements (individual flow regulation at each movement) + simultaneous movements (clamp arms + umbrella covers).

12. The user can quickly increase or decrease the vibration power depending on the type of tree to be harvested.

13. Front of the hydraulic folding umbrella through the cobra control.

14. The third hydraulic point is activated through the cobra command.

General features

VTS

FEATURES	VTS
Quick attach and release	•
Iron tubular platform (60 cm mouth).	•
Bar diameter	6 - 6.5 m
Folding front	•
Two peelers and two fruit sorters	•
Side unloading auger	•
Electronic cobra control	•
Speed adjustment of peelers and of fruit sorters without change in speed when the vehicle's accelerator is activated	•
Stopping the peelers and fruit sorters in vibration	No
Vibration	1 vibration in each direction
Continuous circular vibration	•
Variation vibration power 30/40 %	•
Adjustment arm tightening and vibration brake	•
Oil radiator	•
Oil tank capacity (litres)	90 L
Hydraulic system	Double pump (variable flow + vanes)
Tractor power take-off engine revolutions	540 RPM normal
Umbrella opening and closing sound alarm	•
Head with three point closing	•
Head with Z10X parallel lock	optional
General arms (three point head)	optional
Canvas supplement	optional
Third hydraulic point	optional
Hopper capacity	500-570 kg

Agromelca, s.l. reserves the right to make the modifications it considers necessary to the products in this catalogue without prior notice.

(•) Standard

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