

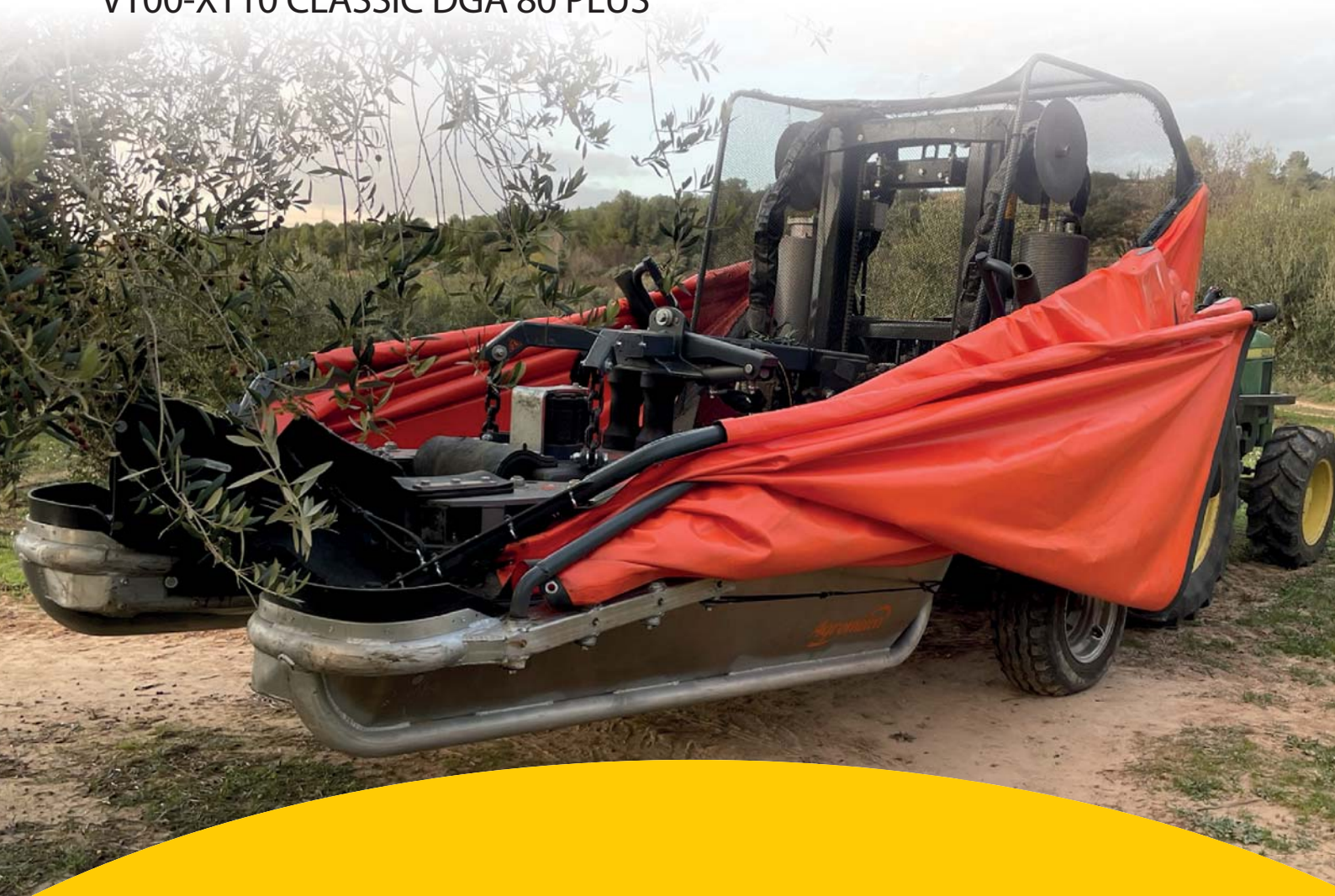
EQUIPMENT COLLECTION REAR



CLASSIC VERSION

VT00-XT10 CLASSIC PNA 80 PLUS

VT00-XT10 CLASSIC DGA 80 PLUS



DAY BY DAY WE IMPROVE THE WORLD OF COLLECTING
DRIED FRUIT AND OLIVE COLLECTORS

Agromelca

www.agromelca.com



VT-XT10 CLASSIC SERIES

THE REAR COLLECTION EQUIPMENT



The **VT-XT10 CLASSIC PNA / DGA 80 PLUS** series is specially designed to overcome the limitations that rear collectors have. This new series offers you a totally different and innovative and high-performance product with big advantages for collecting almonds or olives.

This machine is assembled on the back of the tractor.

This model is conceived and designed so that it can harvest all kinds of trees.

This device gives us big advantages such as its light weight, high performance, quick-release from the vehicle, its agile handling, fast unloading or great visibility to make the attachments to the tree.

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HEAD WITH THREE POINT

- The three-point clamping head is very lightweight.
- 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 or olives trees).
- The clamping arms with double anchoring that allow us to attach them to trunks with diameters ranging from 8 to 40 cm (depending on the type of tree to be harvested).
- 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, we can mount the generic arms, which will allow us to perfectly vibrate trunks ranging from 15 to 50 cm.

The vibration we will get and the knockdown percentages will also be excellent.



Z10 HEAD (OPTIONAL)

- New two-point tie-down system.
- Compatible with all Agromelca vibrating equipment models.
- Cylinders are located at the rear for complete protection.
- Easy attachment to the trunk.
- Large clamp opening.
- Adjustable clamp opening, so we can adapt it to all types of trees (large diameter, young trees, etc.).
- Continuous circular vibration with the option to adjust the power output by 30–40% through a very simple operation (5 mins), depending on the type of tree being harvested (almond or olive trees).
- Maximum opening of 45 cm. Smaller in size and designed for medium-sized and young trees.



MODIFICATION OF POSITION OF RUBBER BLOCK SUPPORT Z10

To guarantee good contact with the trunk and optimum performance in shaking down the fruit, the position of the block support can be adjusted.



MOVEMENT AND VIBRATION CONTROLS

The movements and vibration are carried out comfortably and easily using an electronic box, equipped with joysticks and selectors.

Optionally, an electronic cobra control can be installed.



DISPLAY (SOLO CON IL COMANDO COBRA)

The new display screen features:
 Operation display.
 Automatic movement sequencer.
 Tree counter.
 Hour counter.
 Sensors (PTO RPM + oil temperature).



JOYSTICK BOX FUNCTIONS

- ← LEFT VIBRATE
- +↑ TURBO VIBRATION (Optional)
- RIGHT VIBRATE
- +↑ TURBO VIBRATION (Optional)



SIMULTANEOUS MOVEMENTS



EXTEND UMBRELLA
+ CLOSE PINCER ARMS

OPEN PINCER ARMS
+ PICK UP THE UMBRELLA

How does it work?

Activating the joystick diagonally, the umbrella will extend and the clamp will close automatically.

If this action is done the opposite direction, the clamp will open and we will folded up the umbrella.

CONTROL UNIT FUNCTIONS



1 SIMULTANEOUS



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.

2 SEQUENTIAL AUTOMATIC MOVEMENTS (Optional)



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.

COLLECTION PLATFORMS

ALUMINIUM TUBULAR

With these platforms we manage to reduce the weight of a conventional umbrella (iron), so we greatly reduce the wear and tear and breakdowns of the vehicle that supports the weight, we increase the handling of the vehicle, stability, safety, agility of maneuvers and speed in movements.

Agromelca, S.L. is a pioneer in the manufacture of aluminum platforms (patented).



WITH DGA 80 PLUS PEELERS

Our VT00-XT10 vibration equipment comes equipped with the DGA 80 PLUS model aluminum tubular platform.

- With this umbrella we have taken a great step forward in the mechanisation of harvesting and we have got rid of the big weight issue.
- Mouth measurement of 0.80 m and approximate bar diameter of 6 - 6.5 m.
- Capacity of the platform 150-200 kg (depending on the fruit).
- Its tubular construction makes entering and leaving the tree operations easier.
- The diameter of the bars can be modified upon request (please inquire).
- Has two peelers incorporated, two fruit sorters and two fruit level sensors in the tank with sound alarm.
- With the incorporation of two peelers and two fruit sorters, the almonds enter and are cleaned very quickly, eliminating downtimes.
- Peeler and fruit sorter speed adjustment.
- Easy to disassemble fruit sorters and aluminium plates of the tank for subsequent use in the harvesting of other fruits (olives).
- The peelers do not have to be disassembled for subsequent use in olive trees, but disassembling them is very quick and easy if required.
- The peeler shaft is easy to extract (to replace rubber seals) only removing three screws.
- **OPTIONAL.** Bars with minimum angle (indicated for olive trees). If necessary, to make manually going over olive picking from the outer perimeter of the umbrella easier, the minimum bar angle can be requested.
- **OPTIONAL.** Bar supplement to increase the diameter.
- **OPTIONAL.** Low bars open (the first two).



GENERIC PNA 80 PLUS (WITHOUT PEELERS)

Our VT00-XT10 vibrating tables are fitted with the PNA 80 PLUS aluminium tubular platform without peelers.

- With this umbrella we have taken a great step forward in the mechanisation of harvesting and we have got rid of the big weight issue.
- Mouth measurement of 0.80 m and approximate bar diameter of 6 - 6.5 m.
- Approximate load capacity of 350 kg (depending on the fruit).
- Its tubular construction makes entering and leaving the tree operations easier.
- The diameter can be changed on request (Ask).
- **OPTIONAL.** Bars with minimum angle (indicated for olive trees). If necessary, to make manually going over olive picking from the outer perimeter of the umbrella easier, the minimum bar angle can be requested.
- **OPTIONAL.** Bar supplement to increase the diameter.
- **OPTIONAL.** Low bars open (the first two).



UNLOADING SYSTEM BY MEANS OF VERTICAL LIFTING

- Unloading to the trailer by means of vertical lifting of 2.5 m (this height is reached with the arms of the tractor's hydraulic system down, if we lift the arms the lifting height will increase) and emptying of fruit through the bottom door.
- Tipping of umbrella to group fruit together.
- Minimum percentage of damaged fruit as no mechanical process (sorter) is used in the unloading, but rather unloaded directly into the trailer through a bottom hydraulic door.
- Very fast unloading.
- We eliminate downtimes that occur in the unloading using a fruit sorter.
- Support tyres for stabilising during lifting.
- Safety valve in the lifting cylinders.
- Addressable axis (optional). We can opt for the installation of an addressable shaft in replacement of the standard fixed axis.



CONFIGURATION OF THE HYDRAULIC SYSTEM

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.

VT00-XT10 CLASSIC PNA 80 PLUS

One left vibration and one right vibration.

Adjustable vibration brake.

Adjustment of the clamping force of arms to the trunk (we prevent peeling).

Hydraulic system made up of two pumps with multiplier (540 RPM normal).



VT00-XT10 CLASSIC DGA 80 PLUS

Includes left vibration and right vibration.
Adjustable vibration brake.

Adjustment of the clamping force of arms to the trunk (we prevent peeling).

The peelers and fruit sorters stop when we vibrate.

Separate speed adjustment of peelers and fruit sorters.

The peeler and fruit sorter speed we have chosen does not vary even if we accelerate the vehicle.

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



VT00-XT10 CLASSIC PNA 80 PLUS

FEATURES	VT00-XT10 CLASSIC PNA 80 PLUS
Quick attach and release	•
Tubular aluminium platform PNA 80	•
Installation of the PGA 100 platform to replace the PNA 80	optional
Fruit tank capacity (depending on the fruit) ⁽¹⁾	300 -350 kg.
Bar diameter	6- 6.5 m
Third hydraulic point	optional
Vertical unloading lifting of 2,5m	•
Safety valve in lifting cylinders	•
Addressable axis (series fixed axis replacement)	optional
Electronic cobra control + CPU	•
Display (Operation display + Automatic movement sequencer + Tree counter + Hour meter + Sensors (PTO RPM + Oil temperature))	optional
Caja joysticks + selectors box	optional
Vibration	1 left vibration + 1 right vibration
Continuous circular vibration	•
Turbo vibration	optional
Variation vibration power 30/40%	•
Adjustment arm tightening and vibration brake	•
Rotation in the pincer	•
Separate lifting from the umbrella	•
Oil radiator	•
Oil tank capacity (litres)	90 l
Hydraulic system	Double pump w/multiplier
Tractor power take-off engine revolutions	540 RPM normal
Umbrella opening and closing sound alarm	•
Young tree arm head (3 point head)	•
Generic arm head (3 point head)	optional
Parallel head Z10	optional
Parallel head Z20 (Only with the DGA100 platform)	optional
Bar supplement	optional
Minimum bar angle	optional (free)
Tyres	•
Low bars open (the first two)	optional
Telescopic de 50cm	optional
Anti-caloric super soft rubber components (Z10 y Z20)	optional
Platform internal auger kit	optional

Agromelca, S.L. reserves the right to make the modifications it considers necessary to the products in this catalogue without prior notice.
 (•) Standard. (1) Rough guide (depends on the type and characteristics of the fruit).

VT00-XT10 CLASSIC DGA 80 PLUS

FEATURES	VT00-XT10 CLASSIC DGA 80 PLUS
Mixed. Almond - Olive	•
Quick attach and release	•
Tubular aluminium platform DGA 80 PLUS	•
Installation of the DGA 100 platform to replace then DGA 80 PLUS	optional
Fruit tank capacity (depending on the fruit) ⁽¹⁾	150 -200 kg.
Bar diameter	6- 6.5 m
Third hydraulic point	optional
Vertical unloading lifting of 2,5m	•
Safety valve in lifting cylinders	•
Addressable axis (series fixed axis replacement)	optional
Electronic cobra control + CPU	•
Display (Operation display + Automatic movement sequencer + Tree counter + Hour meter + Sensors (PTO RPM + Oil temperature))	optional
Caja joysticks + selectors box	optional
Vibration	1 left vibration + 1 right vibration
Continuous circular vibration	•
Turbo vibration	optional
Variation vibration power 30/40%	•
Adjustment arm tightening and vibration brake	•
Rotation in the pincer	•
Separate lifting from the umbrella	•
Oil radiator	•
Oil tank capacity (litres)	90 l
Hydraulic system	Double pump w/multiplier
Tractor power take-off engine revolutions	540 RPM normal
Umbrella opening and closing sound alarm	•
Young tree arm head (3 point head)	•
Generic arm head (3 point head)	optional
Parallel head Z10	optional
Parallel head Z20 (Only with the DGA100 platform)	optional
Bar supplement	optional
Minimum bar angle	optional (free)
Tyres	•
Low bars open (the first two)	optional
Telescopic 50 cm	optional
Anti-caloric super soft rubber components (Z10 y Z20)	optional
Olives sorters kit	optional
Sound alarm of level of fruit in tank	optional (free)
Two peelers and two fruit sorters	•
Stopping of peelers and fruit sorters in vibration	optional
Speed adjustment of peelers and of fruit sorters without change in speed when the vehicle's accelerator is activated	optional

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 (•) Satandard. ⁽¹⁾ Rough guide (depends on the type and characteristics of the fruit).

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