



# COLLECTOR SPECIAL VEHICLES

DAY BY DAY  
WE IMPROVE  
THE WORLD OF  
COLLECTING

DRIED FRUIT AND  
OLIVE COLLECTORS



## CLASSIC VERSION

VM1-XT10 CLASSIC PNA/PNH 80

VM2-XT10 CLASSIC PGA 100

[www.agromelca.com](http://www.agromelca.com)











# VM-XT10 CLASSIC series

## The high performance collector

The **VM-XT10 CLASSIC** series offers you a high performance product with great versatility and big advantages for harvesting.

These machines are assembled on the front arms and are conceived and designed to be installed on special machines.

Their operation and performance is excellent in all kinds of trees (almond trees and olive trees).

### Available models:

- VM1-XT10 CLASSIC PNA 80
- VM2-XT10 CLASSIC PGA 100

## Head with three point closing

- 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 or olive trees).
- New clamping arms with double anchoring that allow us to attach them to trunks with diameters ranging from 10 to 50 cm.
- The outcome of the sum of the type of vibration incorporated and the attachment corrected at three points system, is that in both young and old trees with small diameter, large diameter, etc., the knocking down percentages are excellent without any damage.



## Head with three point closing for young trees

Optionally, we can assemble the special arms for young trees.

They allow us to vibrate without any damage to the tree.

These arms allow us to make hooks on logs with diameters between 8 and 30 cm.

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





# Head with parallel closing Z20 and Z10 (optional)

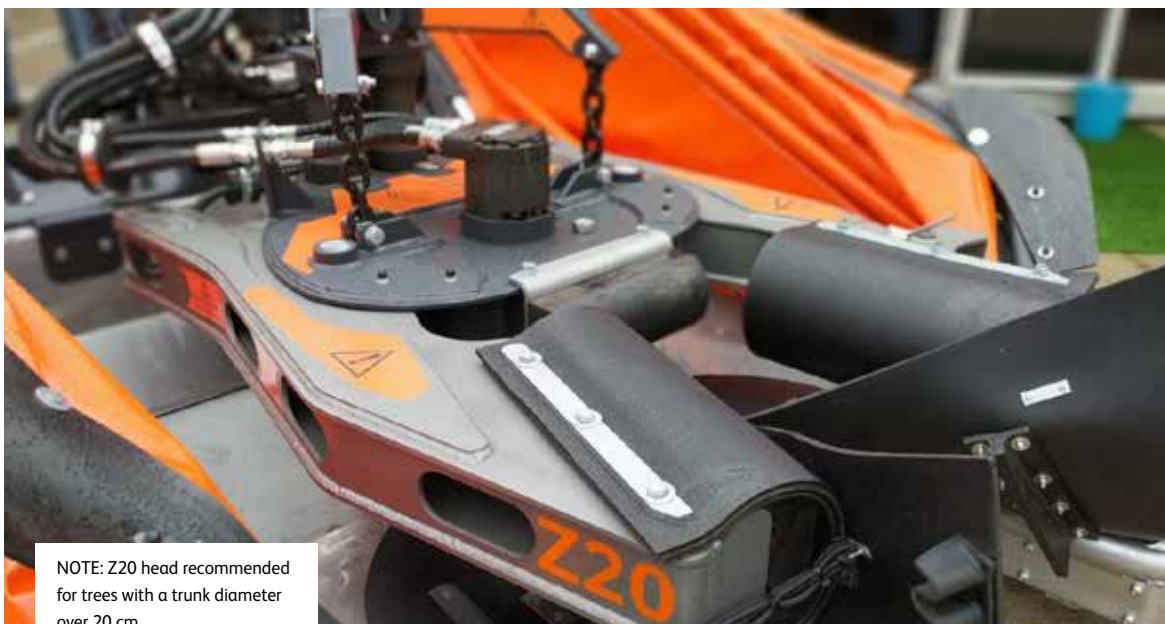


## Models:

**Z20:** Maximum opening of 80 cm. Larger size and designed for an excellent performance on all kinds of trees.

**Z10:** Maximum opening of 50 cm. Smaller and designed for medium-young trees.

- New two point attachment system.
- It can be assembled on all Agromelca vibration device models.
- Cylinders positioned on the back and therefore they are totally protected.
- Easy attachment to the trunk.
- Wide opening of the pincer.
- Adjustment of the opening of the pincer and therefore we can adapt it to all kinds of trees (with a big diameter, young, etc.).
- 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 or olive trees).



NOTE: Z20 head recommended for trees with a trunk diameter over 20 cm.



# Movements of the models of the VM-XT10 CLASSIC series

## VM1-XT10 CLASSIC PNA

- Pincer rotation (sloping trunks).
- 1 50 cm telescope (extendible).
- Separate lifting from the umbrella.

This vibration device is principally designed to harvest 1 foot trees very quickly and easily. The VM1 model also allows us to lift and spread out the telescope to be able to attach in the highest positions. If necessary, in trees where harvesting is very difficult using the umbrella, it can be released very easily. Given its light weight, it can be assembled on fruit tractors.



## VM2-XT10 CLASSIC PGA

- Pincer rotation (sloping trunks).
- 1 75 cm telescope (extendible).
- Separate lifting from the umbrella.
- Side machine rotation (sx – dx).

With the collecting platform on the ground and not moving the tractor from its original location, we can attach to trees measuring one to two feet, attach to trunks of up to 2 m in height and make attachments with side movements of up to 2 m. If necessary, for trees where harvesting is very difficult using the umbrella, it can be released very easily.



## Tubular aluminium picking platforms

Our **VM-XT10 CLASSIC** collectors are equipped with the new tubular aluminium platform with the option of choosing several dimensions.

With this platform we will reduce the weight of a conventional umbrella (iron) and we therefore enormously reduce the wear and breakdowns of the vehicle that withstands the weight and increase the handling of the vehicle, stability, safety, agility of operations and speed in the movements.

Agromelca, s.l. is a pioneer in the manufacture of aluminium platforms (patented).

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.

- Approximate load capacity 400-450 kg (depending on the fruit).
- Its tubular construction makes entering and leaving the tree operations easier.
- The diameter can be changed on request. (Ask).
- Quick release of the PGA umbrella from the vibration device if the type of plantation requires this (e.g. Olive trees not adapted to harvesting with umbrellas).
- **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).

### Models:

- **PNA 80.** Mouth measurement of 0.80 m and approximate bar diameter of 6 - 6.5 m
- **PGA 100.** Mouth measurement of 1.00 m and approximate bar diameter of 7-7.5 m
- **PGA 125.** Mouth measurement of 1.25 m and approximate bar diameter of 7-7.5 m

## Tubular iron platform PNH 80 PLUS, PGH 100 & PGH 125 (optionals)

Optionally, in the vibration equipment the platform model **PNH 80 PLUS**, **PGH 100** or **PGH 125** can be installed, with tubular design and iron fabrication.





# Incorporated hinge for narrow plantation spaces (optional)



## INSTALLATION IN VM1 MODEL

In order to be able to harvest with the umbrella plantations with a very small space, we can incorporate the hinge system.

This joint allows us to rotate the entire collector 45° in two directions (left-right), and therefore we can make entering and leaving the tree operations without major complications.

The minimum space for the hinge to be able to work successfully is 5x3.

If we have to harvest trees with the hinge working, the umbrella diameter is recommended not to exceed 5 m.







# 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. To introduce the **Classic version** we have designed a totally new hydraulic system, equipped with state-of-the-art and top quality hydraulic components.

The VM-XT10 CLASSIC series has the following general hydraulic features:

- |   |  |
|---|--|
| 1 | 1 left vibration + 1 right vibration.                  |
| 2 | Vibration brake.                                       |
| 3 | Adjustment of the clamping force of arms to the trunk. |
| 4 | Other features (ask the distributor).                  |

## Movements and vibration controls

- The movements and vibration are carried out comfortably and easily using an electronic cobra control.





# General features



# VM-XT10 CLASSIC

FEATURES	VM1-XT10 CLASSIC PNA 80	VM2-XT10 CLASSIC PGA
Quick attach and release of the umbrella	•	•
Aluminium tubular platform	PNA 80	PGA 100
Fruit tank capacity	350-400 Kg depending on the fruit <sup>(1)</sup>	400-450 Kg depending on the fruit <sup>(1)</sup>
Standard bar diameter	6,5 m	7,5 m
Umbrella opening and closing sound alarm	•	•
Cobra control	•	•
CLASSIC VIBRATION SYSTEM	1 vibration in each direction	1 vibration in each direction
Continuous circular vibration	•	•
Power reduction counterweight supplement	optional	optional
Power increase counterweight supplement	optional	optional
Adjustment arm tightening and vibration brake	•	•
Rotation in the pincer	•	•
Telescope (extendible)	50 cm	75 cm
Separate lifting from the umbrella	•	•
Machine side rotation	-	•
Three point head	•	•
Special arms young trees (3 point head)	optional	optional
Parallel head Z10	optional	optional
Parallel head Z20	optional	optional
Installation platform PNA 80	•	-
Installation iron platform PNH80 PLUS	optional	-
Installation platform PGA 100	optional	•
Installation platform PGA 125	-	optional
Installation iron platform PGH 100	optional	optional
Installation iron platform PGH 125	-	optional
Bar supplement (0.50 m / 1 m)	optional	optional
Minimum bar angle	optional (free)	optional (free)
45° hinge narrow plantation spaces (diameter 5 m) <sup>(2)</sup>	optional	-
Low bars open (the first two)	optional	optional

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

(•) Standard

<sup>(1)</sup> Rough guide (depends on the type and characteristics of the fruit).

<sup>(2)</sup> With hinge the bar diameter will be 5 meters.





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