



INSTRUCTIONS ARPYIA X



Angelis olive harvesting machines are distinguished for their quality and reliability as well as for the continuous improvements and creation of new models.

Safety rules:

- A.** Wear eye protection.
- B.** Wear work gloves.
- C.** Do not work in the rain.

All our machines have CE certificate. They are suitable for the collection of every kind of olives.

1.

MAINTENANCE:

Before performing any maintenance work, remove *ARPYIA X* from the source of electricity current (battery or generator).

ATTENTION!

During the first use of the *ARPYIA X*, after a 4-5 hour rotation, check the clamping screws of the carbon fiber rods for possible loosening.

1.1 Once a week:

- Pull out the motor cover by unscrewing the 4 screws with a cross-cut screwdriver.
- Blow with compressed air to remove any dust and leaves from the motor.
- Check the carbon fiber screws for loosening.

1.2 Every 15 days:

- Unscrew the screws with a 3mm allen key and add lithium grease or SKFLGHB2 from the specific hole at the bottom part of the head.

At the end of the season or before the start of the new one, a thorough review by a specialist representative is recommended, where the following actions are taken:

- Complete cleaning and greasing of the olive harvesting machine.
- Carbon tightening test.
- Bearings control.
- Gears control.
- Control on connecting rods and guides.
- Check of electrical connections (terminals, cables, etc.)



POWER SUPPLY

1. Battery 12Volt

ARPYIA X needs a 12V 80-100A battery discharge, or a simple car battery for continuous 8-hour operation. Battery life depends on the type and morphology of the olive tree and how the machine is used.

For proper maintenance of the battery it should be charged immediately after use, and not discharged less than 50%.

2. Lithium Battery (backpack or ground)

ARPYIA X works with a lithium battery, as long as its voltage output is between **12v -16v**. For the best performance we recommend using the lithium battery provided by Angelis Harvesting Tools and Generators.

3. Generator 12Volt

ARPYIA X works with a generator DC12Volt, as long as the output **does not exceed 16v**.

MANUAL

We connect *ARPYIA X* to the battery or generator.

ATTENTION!

Be mindful of polarity. The ESC motherboard is protected by a diode, but the owner of the machine should always pay attention when connecting with a power source.

ARPYIA X has a controller with an ON/ OFF switch and it always starts operating at the first (slowest) speed. With the arrows on the switch (up & down) you can raise speeds from 700 to 1450 pulses per minute at 12v.

As long as it remains connected to a battery or generator, you can start and stop without delay.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The harvesting machine does not start	Wrong polarity	Check that the red wire is connected to (+)
	High or low voltage	The power supply voltage should be between 12v and 16v
The head combs do not have torque	Battery is discharged	Recharge the battery
Voltage overcharge during harvesting	High voltage setting of the generator or the converter	Remove the harvester from the tree. Restart it by pressing ON/ OFF after 7 seconds