

For Earth, For Life
Kubota

XTA

**KUBOTA
XTA SERIES**

XTA21 - XTA22 - XTA24 - XTA31 - XTA33 - XTA42 - XTA63



A man wearing a white protective suit with a blue logo that reads "AlphaTec 1800" is standing in a vineyard. He is holding a tablet computer and looking at it. In the background, there is a red tractor with large tires. The scene is outdoors with green grapevines and a clear sky. The text "Rise to the challenge with innovation and transformation" is overlaid on the image in white, bold, sans-serif font. There is a teal and orange graphic element behind the text.

Rise to the challenge with innovation and transformation

Agriculture faces the same challenges as many other industries regarding environmental issues, productivity and rising costs. With an ever-changing world comes the opportunity for innovation and transformation. The climate change hardship and its consequences means it is more vital than ever that cutting-edge solutions are adopted to ensure consistent agricultural crop yield. Today's customer must overcome a host of obstacles by utilising the correct technology. Kubota's specialty crop sprayers provide the right solution to operate in a variety of crops and conditions. Success is a matter of choice.



Kubota

#Range



XTA 21
Fruit orchards Vineyards



XTA 22
Fruit orchards Citrus



XTA 24
Fruit orchards



XTA 31
Olives



XTA 33
Fruit orchards and Citrus



XTA 42
Fruit orchards, Citrus and nuts



XTA 63
Vineyards

#Strengths

Qi Air Groups: High quality efficiency and effectiveness



Reduced consumption and maintenance

- +30% air volume
- Fuel reduction up to 4 l/hour

Noise

- 80% reduction

Polyethylene fan housing

- Greater air intake
- Greater durability
- Avoids damaging the crops

*Not applicable for XTA21 and XTA24

Helicoid adjustable deflector

Air with turbulence that improves treatment coverage and internal moisture of the tree.

Advanced system

Regulates air speed and adapts to different vegetation sizes.

Improves treatment quality and reduces drift

*Only for XTA33

Air Cooling System

– Patent n° 201030587

Exclusive gear box made of aluminium and cooled by air.

*Only for XTA24 & XTA63



XTA21:

Ideal for work on small farms

Versatile sprayer for optimal treatments in orchards and vineyards. This sprayer is designed for professionals that require simple and reliable equipment to effectively protect their crops from pests and diseases.



Propeller FD Air 8.0

Helical design for high-performance, high-volume air output and minimal consumption. Made of glass-fibre reinforced Nylon 66, resulting in lower weight, greater flexibility and vibration resistance.



Configurable equipment

Multipurpose sprayer configurable with specific distribution for vineyards or polyvalent distribution for orchards.

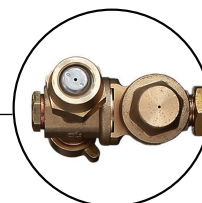
XTA22:

The sprayer for citrus and orchards

Delivers effective treatment against pests and disease in citrus and orchards with high leaf density. Very robust and durable equipment for working on unstable terrain and in differing conditions.

Nozzles

14 double anti-drift jets, Disc-Core model Tee-Jet nozzles.



Propeller FD Air 9.0

Helical design for high performance, high volume air output and minimal consumption. Made of glass-fibre reinforced Nylon 66, it has lower weight, greater flexibility and vibration resistance.



XTA24:

The sprayer for deciduous plantations

Specialised equipment for consistent treatment of deciduous crops. Its inverted design maintains a constant volume of air, covering external and internal areas of the tree, preventing the dead leaves from being absorbed by the air system.

Reverse air absorption system

Inverted design of the air housing to prevent the detached leaves from accumulating in the air inlet, ensuring consistent output and reducing the risk of downtime.



Configurable equipment

The Palmeta Inverter distributor allows adaption of the application to trellis crops and configurable with specific distribution for vineyards.

XTA31:

Sprayer for traditional olive groves

Equipment specially designed to work in traditional olive groves. It has a specific configuration of the air unit and nozzles for optimum and precise coverage of the trees. Its structure is designed to work safely on demanding terrain typically associated with this type of plantation.



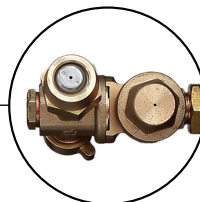
Detection system

Crop detection system to apply treatment only when trees are present.



Effectiveness and efficiency

Special configuration of air group and nozzles for olive trees to achieve a uniform coverage. It performs effective treatments while reducing power consumption.

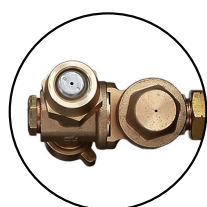


XTA33:

The sprayer for large farms

High-performance sprayer for precise, effective and efficient treatments on larger citrus and fruit farms.

Consistent coverage outside and inside crops with a higher leaf density giving maximum control against pests and diseases.



Nozzles

26 dual nozzles distributed over two lines provide outstanding coverage and excellent treatment quality.



Propeller FD Air 9.0

Helical design for high performance, high air volume output and minimal consumption. Made of glass-fibre reinforced Nylon 66, resulting in lower weight, greater flexibility and vibration resistance.

| Test results | | | | |
|-------------------------|---------------|---------------------|------------------------------|------------------------|
| Propeller blade degrees | Early opening | Average speed (m/s) | Air flow (m ³ /s) | Power consumption (hp) |
| 30° | 130 | 33.75 | 81.867 | 38.33 |
| 30° | 130 | 36.49 | 87.779 | 43.72 |

Tests carried out by the Valencian Agricultural Research Institute (IVIA)

XTA42:

Effectiveness for high leaf density crops

The towering solution to carry out demanding treatments in large plantations characterized by both high leaf density and height (such as citrus, orchards and tropical fruits). This sprayer allows for precise control of air volume flow and direction, ensuring coverage even in the most challenging areas to achieve a uniform and deep application

Air group

The Futur 10.0 air group (diameter 1000 mm) achieves an air volume of 120,000 m³/h, reaching the highest parts of the crops.



Air deflector

Spraying volume focused on crop vegetation.



XTA63:

The sprayer for large vineyards

Premium sprayer for intensive precision treatments in large vineyards. Increased performance and adaptability to differing vineyard plantations for effective, consistent and efficient application against pests and diseases.

Variable geometry (optional)

Individual lifting and lowering movement.



Air distributor H30 S2.0

Drift reduction of up to 25%.
Linear consumption in all phases.



New Qi air ducting

40% more air volume for the same power consumption.

#Options

Anti-drift distribution

For Citrus and fruit trees projects the spray directly to the vegetation, variable setting. Incorporates hydraulic folding
Maximum vegetation height:
4m For XTA22 and XTA33 model



Polyvalent distribution

For orchards and vineyard
Reduced drift in the upper vegetation zone.
Maximum vegetation height: 4m
For XTA21 and XTA22

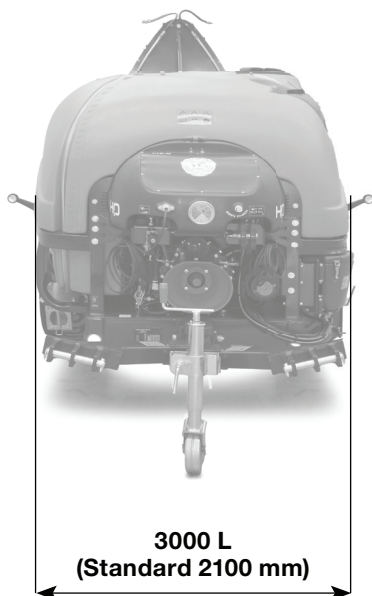


6 down pipes

For vineyard
This option for mist blower XTA63 allows work on 3 rows of vines

#Options

Standard



Narrow



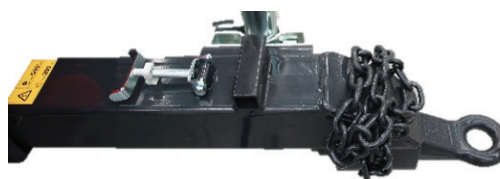
Narrow tank

The narrow tank makes it possible to reduce the width of the 3000 litre machines to fit into narrow housings. With the combination of different axles and wheels available, a total width of 1650 mm to 1900 mm is available.

Hitches



**Adjustable length coupling link
(Base configuration)**
For 1.000, 1.500, 2.000, 3.000 lts



**Adjustable length coupling link with ring
(Base configuration)**
For 4.000 lts

Hitches (Option)



Adjustable length ring hitch
For 1.000, 1.500, 2.000, 3.000 lts



**Reinforced swivel hitch
with damping**
1.000, 1.500, 2.000, 3.000, 4.000 lts



Reinforced swivel ring hitch
1.000, 1.500, 2.000 lts



Swivel hitch V
For 1.000, 1.500, 2.000, 3.000, 4.000 lts



Multi-swivel hitch
1.000, 1.500, 2.000, 3.000, 4.000 lts



Special hitch for drawbar
1.000, 1.500, 2.000, 3.000, 4.000 lts

#Precision Farming



Technology:

Precision treatment on specialty crops



The H3O Kubota specialty crop sprayer performs precision treatments. Using this optional system, the sprayer automatically regulates the air volume and adjusts the application dose according to the development stage of the crops. Optimum application ensures total control of all the crop health treatments carried out in the fields.

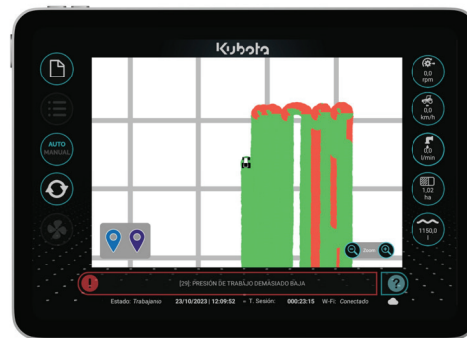
- Air volume and application dose regulation.
- Drift reduction up to 50%.
- Pesticides reduction up to 25%.
- Fuel consumption savings up to 4 l/h.



#Precision Farming

Interface

The H30 system is connected to the Specialty Crops Platform (SCP), an agronomic management tool where work commands are configured to be sent directly to the sprayer. Work commands are displayed on a touch-screen interface which provides real time control of the spraying parameters. Once the treatment is finished, the system registers all the spraying work data on the SPC. This information is available to be viewed in detail and provides accurate traceability.



Instant thorough management and control of the work in process on the fields:

- Intelligent automatic calibration system.
- Real-time treatment application display.
- Pro-active alerts system.
- GPS positioning.



My Specialty Crops App

Gives access to all the spraying tasks performance on the spot:

- Fleet geolocation.
- Alerts.





Connection to Specialty Crops Platform

Streamline your crops protection work by analysing valuable information that will help you make better decisions on the farm:

- Plot outlines.
- Creation and dispatch of work orders.
- Real-time control of the work of all the sprayers on your fields.
- Detailed visualisation of the completed treatments on a map.
- Real traceability.

#Technical data

| Model | | XTA21 | | | XTA22 | | | | | XTA24 | | | |
|--------------------------------|--------|----------------|------|------|----------------|------|------|------|------|-----------------|------|------|------|
| Capacity | (l) | 1000 | 1500 | 2000 | 1000 | 1500 | 2000 | 3000 | 4000 | 1000 | 1500 | 2000 | 3000 |
| Air group | | Dynamic Qi 8.0 | | | Dynamic Qi 9.0 | | | | | Inverter Qi 9.0 | | | |
| Air volumn | (m³/h) | 43000 | | | 55000 | | | | | 55000 | | | |
| Fan | | FD Qi 8.0 | | | FD Qi 9.0 | | | | | FD Qi 9.0 | | | |
| Pump | | | | | | | | | | | | | |
| FDH 105 | | ● | ● | ● | | | | | | | | | |
| FDH 120 | | | | | ● | ● | ● | ● | | ● | ● | ● | ● |
| FDH160 | | | | | | | | | ● | | | | |
| Axis | | | | | | | | | | | | | |
| 1100 mm | | ● | | | ● | | | | | ● | | | |
| 1200 mm | | | ● | | | ● | | | | | ● | | |
| 1300 mm | | | | ● | | | ● | ● | | | | ● | |
| 1700 mm | | | | | | | | | | | | | |
| 1800 mm | | | | | | | | | ● | | | | |
| No. jets / type | | | | | | | | | | | | | |
| 14 Tee-jet Disc Core | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 26 Tee-jet Disc Core | | | | | | | | | | | | | |
| 30 Tee-jet Disc Core | | | | | | | | | | | | | |
| Wheels | | | | | | | | | | | | | |
| 10.0/80/12 | | ● | | | ● | | | | | ● | | | |
| 10.0/75/15.3 | | | ● | ● | | ● | ● | | | | ● | | |
| 11.5/80/15.3 | | | | | | | | ● | | | | ● | ● |
| 400/60/15.5 | | | | | | | | | ● | | | | |
| Measurements and weight | | | | | | | | | | | | | |
| Width | (cm) | 136 | 150 | 158 | 136 | 150 | 158 | 210 | 220 | 136 | 150 | 158 | 210 |
| Length | (cm) | 410 | 443 | 452 | 420 | 440 | 460 | 485 | 510 | 405 | 440 | 460 | 485 |
| Height | (cm) | 145 | 150 | 160 | 145 | 155 | 165 | 190 | 200 | 145 | 150 | 165 | 190 |
| Weight | (kg) | 663 | 759 | 811 | 723 | 830 | 900 | 1227 | 1378 | 807 | 875 | 980 | 1347 |

| XTA31 | | | XTA33 | | | | XTA42 | | | XTA63 | | | | |
|----------------|------|------|--------------|------|------|------|---------------|------|------|---------------------|------|------|------|------|
| 2000 | 3000 | 4000 | 1000 | 1500 | 2000 | 3000 | 4000 | 2000 | 3000 | 4000 | 1000 | 1500 | 2000 | 3000 |
| Dynamic Qi 9.0 | | | Futur Qi 9.0 | | | | Futur Qi 10.0 | | | Centrifugal turbine | | | | |
| 63000 | | | 81000 | | | | 120.000 | | | 18000 | | | | |
| FD Air 9.0 | | | FD Qi 9.0 | | | | FD Qi 10.0 | | | Turbine 500 mm | | | | |

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| 200 | 210 | 220 | 136 | 150 | 158 | 210 | 220 | 178 | 210 | 220 | 230 | 230 | 230 | 230 |
| 460 | 485 | 510 | 420 | 460 | 470 | 510 | 510 | 467 | 509 | 530 | 378 | 430 | 450 | 465 |
| 165 | 190 | 200 | 145 | 150 | 165 | 190 | 200 | 160 | 186 | 200 | 275 | 275 | 275 | 295 |
| 900 | 1224 | 1435 | 764 | 864 | 935 | 1276 | 1452 | 995 | 1420 | 1501 | 1140 | 1154 | 1180 | 1535 |



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