

ATOM 4000



Engine
FPT N45 – 4 cylinders – 4500 cc - diesel 103 kW @ 2200 rpm 636 Nm @ 1500 rpm

Fuel tank
Stainless steel, 160 litres capacity

Chassis
AHSS steel, laser cut, hot galvanized

Cab
Stainless steel, powder painted

Transmission
4 wheel drive and steer Heavy-duty hydrostatic continuous transmission Variable displacement hydraulic motor, bent axis, with automatic displacement adjustment Heavy-duty mechanical axles with integrated Limited Slip system

Speed
I gear: 0 – 11 km/h II gear: 0 – 36 km/h @ 2000 diesel rpm

Suspensions
CAB: independent airbags with dampers CHASSIS: hydraulic suspensions with nitrogen accumulators, electronic control of position and automatic level adjustment

Brakes
Hydrostatic brake, oil immersed discs hydraulic service brake, hydraulic park brake

Spray equipment
Diaphragms pump with brass heads and manifolds 180 – 220 - 260 l/min 50 bar Tank mixture agitation: Dual flow agitator + single flow pressure agitator >1000 l/min total flow 3-way-valve: suction, off, rinse Suction + Pressure filters Electric valves for nozzles sections, pressure regulator, dump valves

Tank
Fibreglass with acid-proof treatment Flush tank for quick rinse, hand-wash tank Capacity: 4000 liters 1000 US gallons

Blower
VAC 997 blower - stainless steel, 40" diameter, 997 mm diameter axial fan, swirl correction system, double air outlet, front suction, symmetric air pattern VAC 997 AVO blower – stainless steel, 4 nozzles manifolds, long jets VAC 997 MINI TARGET – stainless steel, tower shaped

Nozzles
Double or triple no-drip nozzles with two, four or more nozzles sections. Low, medium and high application rates, from 100 up to 4000 litres/ha. Flood jets available

Controls
Nozzles sections ON/OFF + Dump ON/OFF Electric pressure regulator Automatic spray rates controller Electronic tank level + spray pressure display Spray rates real-time display Cab automatic climate controls GPS guidance system + GPS spraying assistance with spray controller interface

Optional
Stainless steel hose reel, 15 metres hose, hand gun

Tyres
425 – 55 R17 Radial type

Vehicle weight
Unloaded: 5600 kg

Dimensions	
Overall length	5.97 [m]
Overall height	2.28 [m]
Overall width	2.15 (wheels) – 1.9 (body) [m]
Turning radius (out of wheels)	3.7 [m]

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Ci riserviamo il diritto di modificare i nostri modelli e le loro caratteristiche senza preavviso / Characteristics and descriptions are indicative and not binding / Nous nous reservons le droit de modifier nos modeles et leur caracteristiques sans preavis

SELF-PROPELLED SPRAYER
4000 LITERS - 1000 GALLONS



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ATOM 4000

DESIGNED FOR PROFESSIONAL LARGE FRUIT TREE GROWERS

»ATOM 4000 self-propelled sprayer gives maximum driving comfort, total safety and unparalleled spray delivery system. Due to its great capacity, power, manoeuvrability and efficiency, ATOM 4000 enables significant reduction of spraying time and total protection of driver.



»Strong and reliable 140 HP diesel engine. Heavy-duty axles with Limited Slip system. Heavy-duty hydrostatic transmission.



Stainless steel cab with pneumatic suspensions system. Front roll bar for protection against tree branches.



Front + Rear Axles hydraulic suspension system giving the machine a dream like ride. Automatic electronic adjustment of hydraulic suspensions. Automatic leveling of the machine for best stability and comfort.



3 modes hydraulic steer: 2 wheel steer, 4 wheel steer, 4 wheel steer crab.

Hydrostatic brake.
Oil-immersed-discs hydraulic service brake.
Hydraulic park brake.

ATOM 4000 is designed to work also in steep conditions.



VAC axial blower:

- 1000 mm diameter high efficiency fan
- clean front suction: no chemicals and leaves intake
- air recovery - 2 airflow exits
- great airflow: best resistance against drift
- unique guide vanes system: accurate and even spray
- air flow pattern perfectly matching geometry of vegetation at any height
- air flow pattern symmetric and even
- 100% stainless steel
- reduced fuel consumption
- optimized position of nozzles for best spray delivery
- tower shape available for espalier orchards
- different nozzles configurations available
- flood jet for fertirrigation available



Low fill-up points for quick tank filling:

- main tank filling
- chemicals filling
- flush tank filling
- Venturi chemicals suction system available

Stainless steel chemicals mixer with high pressure jets.

Double tank mixture agitation system:

- Dual flow super-mixer
- Pressure mixer

Smooth profile and compact dimensions allow ATOM 4000 spraying in all types of orchards.

Hydrostatic continuous transmission ensures accurate and smooth drive. The speed of the machine is independent from engine and fan speed, thus allowing a great range of spray conditions, for best trees coverage.

Powerful VAC blower and transmission allow ATOM 4000 to increase spray speed. ATOM 4000 great manoeuvrability and tank capacity reduce spraying time.

Driving the ATOM 4000 is easy - driver can concentrate on spraying parameters. Electronic systems allow the driver to easily keep under control all spraying parameters. Automatic spray rates controllers also available.

ATOM 4000 comes with diaphragms brass pump for chemicals circuit. SUPERFLOW multiple valves system can deliver up to 260 liters/min to the nozzles. Suction + Pressure filters as standard.

ATOM 4000 is equipped with LED work lights and IR cameras for night-time operations.



Category 4 cab ensuring maximum protection level for the driver. Chemicals and dust proof cab air filter. Pressurized cab.

Large roomy cab. Great visibility. Large pneumatic seat with automatic adjustment. Passenger seat.

Air conditioning and heating. Automatic climate control.



Joystick with nozzles remote control switches. All remote controls.

Digital display for tank level and spray pressure. Digital display for spray rates. Automatic spray rates controller. GPS guidance system. LCD display with multiple IR back cameras.

