

ATOM 2000 - 1000

Engine

VM
4 - 3000 cc 80 kW @ 2600 rpm
420 Nm @ 1100 rpm

Chassis

» AHSS steel, laser cut, hot galvanization and electrophoresis.

Transmission

» 4 wheel drive and steer; hydrostatic heavy-duty continuous transmission; variable displacement hydraulic motor with automatic displacement control; mechanical heavy duty axles, suitable for steep slopes.

Spray Equipment

» Chemicals diaphragm pump with brass heads and manifolds.

125 - 160 - 180 - 220 l/min | 50 bar

» Triple flow agitator + double flow high pressure agitator, total flow >1000 l/min.

» Pump suction filter with three positions valve: suction, off, rinse.

» Electric sections remote control with solenoids and electric pressure regulation.

» Computerized spray rates controller.

» GPS guidance system

Tank

» Fibreglass with acid-proof treatment.
Clean water tank for quick rinse, hand washing tank.

Capacity

ATOM	2000	1000
litres	2160	1150

Nozzles

» Double or triple no-drip nozzles with two, four or more nozzles sections.

» Low, medium and high application rates, from 100 up to 3000 litres/ha.

Suspensions

» Parabolic springs, shock absorbers.

» Cab pneumatic suspensions.

Vehicle weight

ATOM	2000	1000
Unloaded [kg]	3280	3165

Tyres

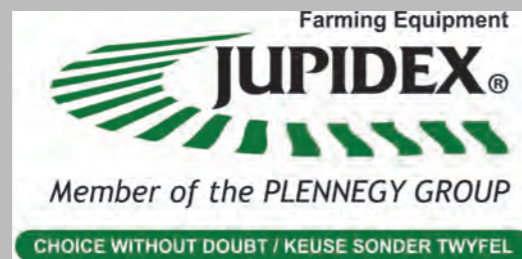
10.0/75-15.3
31x15.50-15

Speed

I gear: 0 - 10 km/h
II gear: 0 - 33 km/h
@2000 diesel rpm

Dimensions

ATOM		2000	1000
Overall length	[m]	5.65	5
Overall height	[m]	1.36 / 1.5	1.36 / 1.5
Overall width(out of wheels)	[m]	1.7 / 1.84	1.7 / 1.84
Overall width(tank)	[m]	1.6	1.6
Turning radius (out of wheels)	[m]	3.5	3.1



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ATOM



2000 - 1000



professional sprayers



ANDREOLI ENGINEERING

ATOM 2000 - 1000

professional sprayers

» ATOM is the self-propelled sprayer for chemicals application, ensuring total driver protection. Due to its unique compact body, power, manoeuvrability, ventilation efficiency, ATOM can strongly reduce spraying time.



» Comfortable cab, pressurized. Air filtering system chemicals and dust proof. Cab compliant with European class 4 protection level. Air conditioning and heating. Automatic climate control. Joystick with nozzles remote control switches. Digital display tank level and spray pressure. All remote controls. Spray rates automatic controller. GPS guidance system with spray controller interface.

» Hydraulic steer can be set in 3 positions: 2 wheel steer, 4 wheel steer, crab.

» New diesel engines with electronic management. Heavy-duty continuous hydrostatic transmission. Variable displacement hydraulic motor with automatic displacement control. 4 speed ranges.



» ATOM 1000 for steep slopes and small turning areas.



» Cab pneumatic suspensions system with airbags and dampers. Chassis suspensions system with mechanical springs and dampers.



» **VAC KIWI**, 4 nozzles sections, low profile.



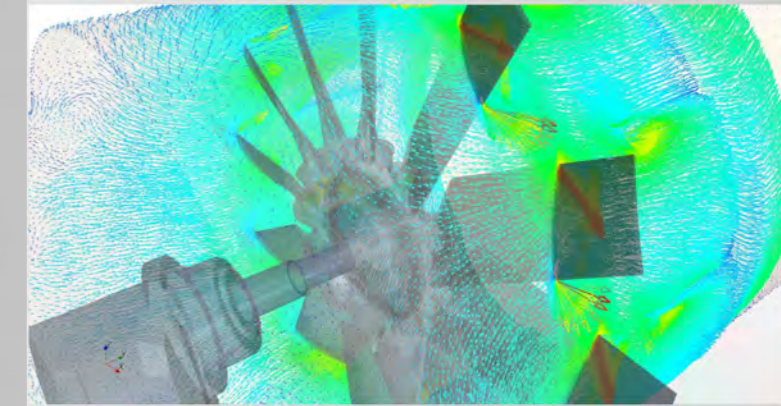
» Special equipment for industrial disinfection with floor-wash system.

» **VAC** ventilation system main benefits:

- air flow pattern perfectly matching geometry of vegetation at any height
- air pattern absolutely symmetric and even
- high volume of air flow
- reduced fuel consumption

VAC intakes from a wide front area, thus fan suction is clean and avoids chemicals and leaves intake.

VAC double air outlets ensure the full use of the air generated by the fan. **VAC** is fully made of stainless steel.



» **VAC** has been developed using the most advanced 3D CFD fluid-dynamics simulation systems, enabling a detailed analysis of the air velocity field and a perfect optimization of all blower components.

VAC KIWI with 4 nozzles manifolds and low profile has been designed for kiwi orchards and pergola vineyards.

VAC TARGET, tower shaped, has an optimized position of all nozzles; top adjustable flaps ensure a targeted spray application, minimizing chemicals waste and drift.

VAC 997 with \varnothing 997 mm fan has been designed for very high trees.