SELF PROPELLED NUTRIENT APPLICATOR



AT5105

OXBO.COM

AT5105 | SELF-PROPELLED APPLICATOR

The Oxbo AT5105 sets the standard for capacity and productivity spreading or injecting large volumes of liquid and dry manure. The combination of the powered front wheel and steerable double bogie rear axles provide additional agility and maneuverability. This versatile machine can be equipped to apply slurry or biosolid nutrients.



AT5105

THE MOST PRODUCTIVE & RELIABLE NUTRIENT APPLICATORS

A true five-wheel applicator, the AT5105 is in a class by itself. Compatible with Oxbo's 25m^3 LNMS or the 25-ton DNMS systems, the AT5105 can be customized for manure or biosolid nutrient application. Designed to meet the unique needs of the application industry, the AT5105 delivers a **perfect balance of power, traction, comfort, and easy operation.**

Driver comfort is achieved through a focus on both operator ride quality and ease of operation. The five-wheel chassis was designed to provide a premium ride, reducing driver fatigue during the long work hours required to apply vital nutrients in a limited application window.

The AT5105 is smart enough to apply power and torque, correctly, without the operator making adjustments, so that it pulls through the most difficult ground conditions. The AT5105 senses the slip and does all the work to keep it applying as normal. **Full control in all circumstances** - highly compacted ground to wet spots - **the AT5105 knows exactly how to adjust.**

The AT5105 sets the standard as for productivity.

easy to operate

The AT5105 can be operated at **100% productivity from the first day in the seat**.

low compaction

The high flotation, five-wheel design of the AT5105 **reduces ground compaction for optimal crop growing conditions.**

more productive

The combination of mechanical drive and the ZF ECCOM 5.5 CVT delivers the most productivity, whether you are injecting or spreading.

100% control

Oxbo's continuous communication between the SCANIA engine and the ZF transmission delivers the **perfect balance of traction and control**. The operator is 100% in control, all the time.

JUMP IN AND GO

It really is that easy.

Easy to understand screens combined with customized controls designed around nutrient application, the AT5105 operator can be 100% productive and efficient from the first day in the cabin.

The AT5105 systems and technology are designed to make every screen, every button, every piece of technology as intuitive as possible.



A MACHINE YOU CAN TRUST

The AT5105 does the hard work.

Operators trust the controls, transmission, engine, and permanent, mechanical all-wheel drive to effortlessly work together to pull through even the toughest ground conditions.

The AT5105 balances power, traction, and torque while delivering fuel economy.





OXBO AT5105 FEATURES



LOW TOTAL COST OF OWNERSHIP

The AT5105 features a ZF ECCOM 5.5 Transmission, Börger pumps, Scania engine, and Kessler axles because they are the best in the business and provide for long product life, maximum uptime, and minimal maintenance cost.

Oxbo ATs demand some of the highest resale values thanks our robust frame construction and quality components.



INTEGRATED TECHNOLOGY

- Experience ultimate simplicity with the fully integrated Oxbo control system.
- Designed to manage application rate and machine functions
- With the Oxbo AT5105, precision and control are at your fingertips.



FLOTATION AND LOW GROUND COMPACTION

- Five wheel design with three unique tire paths reduces compaction on every pass
- Spread 25m^3 of liquid or 25 tons of dry nutrients with perfect weight distribution across all five tires: efficient production with minimal compaction.
- Tire inflation system to deliver low compaction and long tire life across the various nutrient application activities

ALL-WHEEL DRIVE, ALL-WHEEL STEERING

The Oxbo AT5105 all-wheel drive and even weight balance ensure a smaller footprint with maximum pulling power. The unique steerable rear axles deliver maneuverability while rmaximizing load capacity for both dry and liquid system application.



FLEXIBILITY

The Oxbo AT5105 can be built with either a Dry Nutrient Management System (DNMS), a Liquid Nutrient Management System (LNMS). No matter what or how you need to apply, Oxbo can apply it precisely.



INTEGRATED TECHNOLOGY

GPS-automated section control for precise application needs at the injector. Up to 24 sections available.

The AT5105 is NIR-ready: add popular NIR-sensors via ISOBUS and enable additional monitoring and automated precise nutrient application.



FLEETCOMMAND

Oxbo's FleetCommand telematics on board means you have a wireless link to our Oxbo service personnel. Utilizing this system reduces diagnostic time and ensures uptime in the field.





DRY NUTRIENT MANAGEMENT: DNMS

A ***COVER MORE GROUND, FASTER***

TEBBE spreader with a massive 25 ton-capacity bin to cover more ground with fewer loads and higher infield productivity

B ***DURABLE CONSTRUCTION***

Wear-resistant Hardox steel bin ensures a long operational life, even in the harsh biosolids environment

C ***WEIGHING SYSTEM***

An integrated weighing system allows for continual dose feedback and manual dose correction during spreading

D ***INDUSTRY LEADING SPREADING***

Hydraulic beaters and spinners on separate drives ensuring optimum nutrient placement to deliver consistent yields.

Fully variable spread width – change the spread width while keeping a consistent rate.

Spread up to 18m per pass for fewer trips across the field reducing compaction and application time





LIQUID NUTRIENT MANAGEMENT: LNMS



LARGE PRODUCT TANK

- 25m^3 capacity, strong, lightweight polyester tank
- Integrated slosh baffles and laminated piping
- Control tank levels via the pilot screen, for efficient cycle times and to minimize unnecessary trips and ground compaction

SUPERLOAD ARM

- Load in the field in 1 minute, 45 seconds
- Combines a centrifugal pump, standard lobe pump and a unique by-pass system resulting in reduced pump wear and fuel costs





HIGHEST QUALITY COMPONENTS

- Cutter and pump designed to optimize slurry flow
- 10-inch diameter piping, minimal bends and standard 9m^3 Börger pump -- optional upgrade to a 13.5m^3 pump for wide applicators

AUTOMATIC LOADING & STOPPING

- Easily preset a load value on the monitor enabling the SuperLoad system to quickly load the right amount, every time
- Fast and accurate loading reduces pump wear, lowering maintenance cost and extending the life of the SuperLoad system



AT SERIES | FAMILY OF APPLICATORS

The AT5105 joins the complete line of Oxbo applicators.

Oxbo knows nutrient application, **delivering on the 30-year TerraGator legacy in a modern, advanced line of applicators**. The proven TerraGator chassis design - known for reliable performance and robust components - inspired the Oxbo AT product line. The AT line features better usability, better design, and next generation productivity and driver comfort.

Backed by unmatched product support, the Oxbo ATs are designed to get your product on or in the ground as efficiently and effectively as possible. Oxbo ATs are **the most productive nutrient applicators**.

If you want to keep applying, you want to run an Oxbo !

Each AT features the most reliable, more productive components to keep Oxbo equipment in the field, applying valuable nutrients, in tight application windows.

At Oxbo, we are *Optimizing farming together*.



AT4103

- Three-wheel chassis design
- LNMS or DNMS configurations
- Nimble, maneuverable, with a smooth, comfortable ride over all ground conditions



AT5104

- Four-wheel chassis designed for those most concerned about ground compaction
- LNMS configuration only
- Tramlines or crab steering for minimal soil disturbance and crop damage



AT5105

- Unique five-wheel chassis design with steerable double bogie rear axle to make it nimble and maneuverable
- Highest capacity while still boasting minimal ground compaction
- LNMS or DNMS configurations

SPECIFICATIONS

Standard Features		
Cabin	Claas X11 cabin with radio, air conditioning, passenger seat, on-board pilot touchscreen and camera system	
Suspension	4-point suspended cabin with hydraulic suspension on the front and pneumatic suspension on the rear	
Lights	LED working lights, Halogen road lights	
Engine		
Engine	Scania DC13, 541A, EU Stage 5, 405KW (550 PK) of 450KW (612PK) @ 1500rpm	
Displacement	13 liters	
Cylinders	6	
Torque	3000NM @ 1200rpm	
Alternator	100 Ampère	
Compressor	Compressor with single air dryer, including a 40 litre air tank, and air coupling for air hose. Capacity 750 litre/min at 1,500 rpm	
Cooling	Liquid cooling system for engine, transmission, hydraulic system and intercoolers with reversible fan	
Transmission		
Transmission	ZF ECCOM 5.5 CVT transmission, continuously variable from 0 to 40km/u, automatic range shifting, no need to stop to shift gears for speed range.	
Tires	**Standard**	**Optional**
Front	Michelin MegaXbib T2 184A8 1050/50 R32	Michelin Cerexbib IF1000/55R32 CFO
Rear	Michelin MegaXbib T2 184A8 1050/50 R32	Michelin Cerexbib IF1000/55R32 CFO
Transportwidth	3,30 to 3,35m	
Drivetrain		
Front axle	Kessler: hydraulically driven with adjustable traction	
Rear axle	Kessler: mechanically driven with disk or drum brakes and separate parking brakes	
Steering		
Front	Front wheel steering 70 degrees	
Rear	Kessler axle, with double planetary end reduction depending on superstructure	
Speed	max. 42 km/h	
Tank Capacities		
Fuel	750 litre standard	
Hydraulic Oil	150 litre	
AdBlue	60 litre	
System	**LNMS**	
Type	Polyester GRP tank with integrated pipework and mixing function	
Loading capacity	25m^3	
Standard Pump	Börger EL1550 9m^3/min	
Optional Pump	Börger EL2250 13.5^3/min	
Cutter	Vogeslang RC 10.000	
Loading arm	10” suction arm, able to load 2,75m deep and 4,5m high, with a 160 degrees reach	
Systems	**DMNS**	
Type	TEBBE spreader box	
Loading capacity	25 ton	
Working width	18m, depending on material	
Application rate	min. 2 tons/ha	
Dimensions		
Width	3,30m - 3,35m	
Length	11,2m	
Height	3,8m	

Descriptions and specifications subject to change without notice. ©2026 Oxbo | AT5105-26