

Autonom Tract AT135



AUTONOMOUS

ELECTRIC

SAFE

MONITORED

This intelligent tractor is the solution to optimize the transport of goods, as luggage in airport areas.

CHARLATTE AUTONOM is merging the renowned quality and performance of CHARLATTE's best selling electric baggage tractors with NAVYA's unique experience in autonomous driving systems. The AUTONOM TRACT AT135 is the autonomous solution to efficiently transfer baggage or freight from terminal to the aircraft ramp.

AUTONOM TRACT AT135 is manufactured using the same highly reliable components found in the T135 series. The autonomous driving system is based on NAVYA's expertise developed over the years from selling more than 130 autonomous shuttles worldwide (June 2019). CHARLATTE AUTONOM's tractor is equipped with a multi-sensor technology, which allows it to interact safely in real time with its environment. Thanks to its gentle navigation, maintenance and variable costs are optimized. The unit is still equipped with a driver's compartment and can be switched to manual mode for specific operations.

Combining a strong traction capacity with an advanced autonomous driving system, the fleets of AUTONOM TRACTS participate in improving service performance and make fleet management and monitoring easier.

**IMPROVING
SERVICE
PERFORMANCE**



**OPTIMIZING VEHICLE
FLEET MANAGEMENT**



**ENHANCING
MAINTENANCE**



**MONITORING
VARIABLE COSTS**

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Technical Specifications



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Dimensions

Length	3270 mm / 128 in
Width	1620 mm / 63 in
Height	2150 mm / 85 in
Dead weight	4215 kg / 9292 lb



General

Driving mode	Manual and autonomous
Drive type	Seated, 1 person
Door	1, driver side



Energy

Energy battery type	Lead and lithium
Capacity	Up to 32 kW.h



Engine power

Drive motor rating (peak)	23kW
Max speed (manual driving)	25 km/h 15 mph
Max speed (autonomous driving)	up to 15 km/h* 9.3 mph
Gradeability (laden/unladen)	4.2/40 %
Max traction capacity (manual mode)	25T
Max traction capacity (autonomous mode)	up to 25T*
Max drawbar pull	18000 N / 4000 lb
Service brake	Electro-hydraulic



Localization and obstacle detection

Lidar	Five multi-layers Lidars
Cameras	Front / Rear cameras
Odometry	Wheels encoders + inertial measurement unit
GNSS	GPS Real-Time Kinematics



Intelligence

Software	NAVYADRIVE System
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Supervision

Fleet monitoring	
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*Depending on the customer's site application

Contact us to discuss your projects at: contact@charlotte-autonom.com

www.charlotte-autonom.com

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