

Caesar Hospital II

DRIVERLESS



Caesar Hospital II

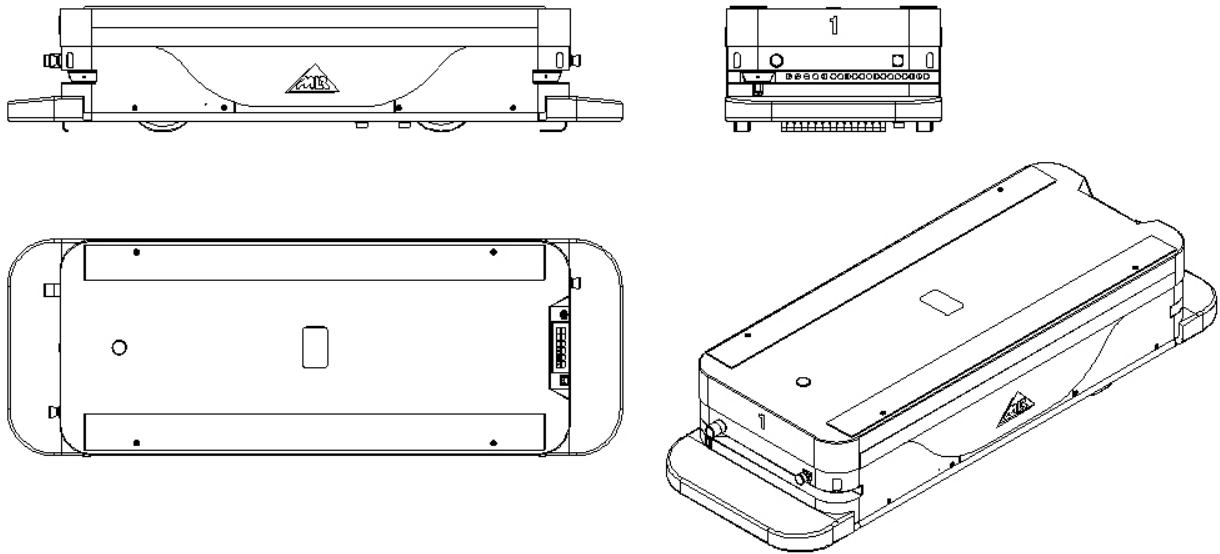
The Caesar Hospital II is a compact drive-under tractor for internal logistics in hospitals that is significantly shorter and a third lighter than its predecessor. The stainless steel vehicle is now only 1423 mm long, takes up less space, has a tighter turning radius, and now fits in small elevators as well. The low weight helps to save energy and the fast-charging, non-gassing and maintenance-free LiFePo4 batteries can be charged in a short time. The vehicle also has an energy recovery system and a sleep mode with wake-up function. The innovative energy concept allows the tractors to remain in service around the clock.

The intelligent transport vehicles travel completely freely, orient themselves to the natural building structure, and detect obstacles or people that block

their way. A powerful computer serves as controller, with an Intel processor and Linux operating system. A tablet PC can be connected directly to the vehicle via Bluetooth, WLAN, or USB cable. The vehicle is identified by camera and manually controlled via the intuitive, simple interface if needed. The tablet PC can also be used to obtain diagnostics or maintenance work on location.

Despite all their high-tech features, the automated vehicles meet strict emissions levels that apply particularly in hospitals, where electromagnetic fields could disrupt the sensitive medical equipment. The newly designed outer shell protects the vehicle against dust-tight, splash and spray water.

Technical Data



Caesar Hospital II

Dimensions (l x w)	1.423 x 606 mm (without bumper)
Height contracted	345 mm
Height extracted	430 mm
Weight	300 kg
Weight with battery	345 kg
Load capacity	500 kg
Wheel base	780 mm
Wheel track	511 mm
Floor clearance	30 mm
Power	24 V/0,7 kW AC
Maximum speed	1,5 m/s
Brake	magnetic brake, electronic
Undercarriage	3-wheel vehicle; front: wheel hub drive, rear: back wheels with measuring device
Positioning accuracy	+/- 10 mm
Load	Container
Energie supply	LiFePo4, no gas emissions and maintenance free
Battery charging	automatic on board
Data transmission	WLAN 2,4 / 5 GHz
Navigation	magnetic and contour navigation
Safety devices	Laser scanners and soft bumpers in both directions, laterally listel