

TECHNICAL DATA | L600



Automated Guided Vehicle

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The Automated Guided Vehicle (AGV) Grenzebach L600 is primarily used in our „Goods-to-Person“ solution. It picks up goods carriers and transports them to a multifunctional workplace for order picking.

Due to the low construction height almost all types of load carriers can be combined with the vehicle. Storage space can be used to the maximum at the bottom. The maximum lifting weight of 600 kg leaves plenty of room for loading the carriers. With a speed of up to 1.3 m/s, the L600 is slightly quicker than a person with average walking pace.



Length	967 mm
Width	750 mm
Height (lifting plate down)	320 mm
Lifting height	60 mm (electrical)
Payload	600 kg
Speed (unloaded)	Up to 1.5 m/s
Speed (loaded)	Up to 1.3 m/s
Turning radius	Pivot in stationary location or ≤ 1 m
Navigation	Grid based (optical localization of markers with Data Matrix Codes)
Drive mode	Forward and reverse
Positioning accuracy	± 15 mm
Safety	Wireless emergency stop
Operating voltage	48 V DC
Battery	AGM Lead
Battery charging system	Contactless with inductive power transmission
Charging time	50 - 100 % SOC approx. 120 min.

Travel time	100 - 50 % SOC with 500 kg load approx. 6 h
Operating time	24 hours, 7 days
Total weight	260 kg
IP certification	IP32
Temperature range	+10 to +40 °C
Humidity	Max. 80 %
Sound pressure level	< 69 dB (A)