



Automated guided vehicle L600

TECHNICAL DATA | L600



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 1.5 m/s, the L600 is slightly faster than a person with average walking pace. With five hours travel time per 30 minutes charging time, the built-in lithium-ion battery technology allows for high availability.



Length	967 mm
Width	750 mm
Height (lifting plate down)	340 mm
Lifting height	60 mm (electrical)
Total weight	260 kg
Payload	600 kg
Speed (unloaded)	Up to 1.5 m/s
Speed (loaded)	Up to 1.5 m/s
Slope travel	Up to 5 %
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 Galvanic isolation as per DIN EN 1175 (VDE0117)

Operating voltage	48 V DC
Battery	Lithium Ion
Battery charging system	Fixed contacts, up to 40 A charging current
Charging time	15 - 80 % SOC approx. 30 min
Travel time	80 - 15 % SOC with 500 kg load approx. 5 h
Operating time	24 hours, 7 days
IP certification	IP21
Temperature range	+10 to +40 °C
Humidity	Max. 80 % non-condensing
Sound pressure level	<69 dB (A)

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