

TECHNICAL DATA | FL1200S



# Automated Guided Vehicle

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### More efficiency in pallet transportation

The Automated Guided Vehicle system FL1200S is specialized in handling euro pallets. It directly moves the pallets without additional load carriers or intermediate levels and can transport grid boxes, steel boxes and other transport containers with basic dimensions of 1200 x 800 mm. With the integrated personal safety sensor technology, the vehicle can be used in all plant-internal environments interacting with lifting trucks and fork lifts. The FL1200S transports loads with a total weight of 1.2 tons and is capable of turning on the spot. Navigation and coordination are managed by the Grenzebach Fleet Manager. The contour navigation eliminates the need for protected zones. It's a space safer and allows for simple integration into existing environments.



Length	1336 mm
Width	693 mm
Height (lifting fork down)	533 mm
Height (lifting fork up)	593 mm
Payload	1,200 kg
Speed (empty)	Up to 1 m/s
Speed (loaded)	Up to 1 m/s
Turning radius	Pivot in stationary location or $\leq 1$ m
Navigation	Contour navigation (safety scanner detects surrounding and compares with internal map)
Travel	Forwards and backwards
Safety	Present with certified devices
Programmable protective fields	16 per scanner
Available safety scanners	2
Battery	AGM Lead
Loading system	Contactless with inductive power transmission
Operating time	24 hours, 7 days
Overall weight	340 kg

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