

Technical information



MAKE WORK FLOW

PALOMAT® AGV Electrical

Product no.	Pallet size L x W x H (mm)	Lifting capacity/ No. of pallets	Machine dimensions L x W x H (mm)
152021*	1200x800x150	500 kg/ 15	1520x1340x2350
152022*	1200x1000x150	500 kg/ 15	1520x1540x2350
152031**	1200x800x150	500 kg/ 15	1520x1340x2350
152032**	1200x1000x150	500 kg/ 15	1520x1540x2350

PALOMAT® AGV Pneumatic

Product no.	Pallet size L x W x H (mm)	Lifting capacity/ No. of pallets	Machine dimensions L x W x H (mm)
150021*	1200x800x150	500 kg/ 15	1520x1340x2350
150022*	1200x1000x150	500 kg/ 15	1520x1540x2350
150031**	1200x800x150	500 kg/ 15	1520x1340x2350
150032**	1200x1000x150	500 kg/ 15	1520x1540x2350

Actuator: Linak

Control: Siemens S7-1200

Power rating: 220-240VAC 50 Hz 1P+N+PE



Pneumatics: SMC

Control: Siemens S7-1200

Power rating: 6-7 bar + 100-240VAC 50-60Hz 1P+N+PE



* Hardware and software prepared

** Hardware prepared

All models include the AGV interface with 24VDC I/O signals for external equipment, which makes it possible to exchange signals between the PALOMAT® and AGV:

AGV INTERFACE

Output from PALOMAT® to AGV: [Persistent indication]

- Signal for empty magazine (destacking)
- Signal that a new pallet is ready to be retrieved (destacking)
- Signal for full magazine (stacking)
- Signal that the magazine is ready for a new pallet (stacking)
- Error/breakdown signal

Input from AGV to PALOMAT®: [Pulse 3-4 sec.]

- Signal to choose Destacking
- Signal to choose Stacking
- Signal to choose Emptying

ELECTRICAL SPECIFICATIONS

Digital **outputs** Relay 2A: [Potential-free]

Rated value (DC): 5V DC to 30V DC

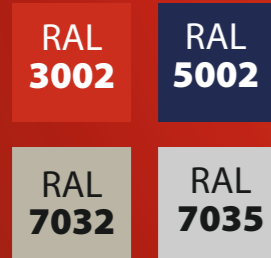
Rated value (AC): 5V AC to 250V AC

Digital **input:** [Potential-free]

Rated value (DC): 24V DC

OPTIONS

4 standard colours



Truck protection



➤ Including safety frame and max-melder for 15 pallets



MEASUREMENTS

L: 1520 mm W: 1340 - 1540 mm H: 2350 mm

We place great emphasis on being an innovative manufacturer via continuous product development. Safety in the use of our products is a priority for us. Thus all PALOMAT® models comply with the applicable machine directive, which is your guarantee that it has been manufactured in compliance with the demands for health, safety and the environment. The PALOMAT® pallet magazine is a Danish product, and has been produced in Denmark since 1992.



PALOMAT® AGV

EFFECTIVE PALLET FLOW · UNIFORM DOCKING · EASY INSTALLATION



Read more about the types, options, videos, cases etc. at

www.palomat.com

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www.prolift.ie



Streamline your internal logistics

Partner up with the PALOMAT® AGV

The world stands at the cusp of the fourth industrial revolution, Industry 4.0, wherein robots and artificial intelligence play a crucial part. As a provider of driverless forklift trucks - AGVs,

you already take the lead with the newest technology in the field of production optimisation. You will increase your customers' competitiveness and future-proof their businesses.

➤ Offer optimisation solutions where fully automated pallet handling and effective driverless forklift trucks are part of the internal logistics.

Driverless forklift trucks and the PALOMAT® AGV pallet magazine are a perfect pair when it comes to fully automating and streamlining the flow of pallets. PALOMAT® AGV is an ergonomic aid, which stacks and destacks empty pallets individually at floor level, fully automatically.

PALOMAT® AGV simultaneously also ensures uniform docking and thus optimises the workflow of the driverless forklift truck. The PALOMAT® is always ready to either deliver (destack) a pallet or take (stack) a pallet from the driverless forklift truck at a uniform floor level. And if the PALOMAT® is empty or full, it will signal the driverless forklift truck, which will automatically ensure that the PALOMAT® is filled or emptied.

The PALOMAT® is delivered with an interface for external equipment, which makes it possible to exchange signals between the PALOMAT® and driverless forklift trucks. Thus the two can communicate independently and maintain a constant and effective flow of pallets to and from the production line.

Partner up with the PALOMAT® AGV and offer your customers more effective internal logistics, which also optimises the driverless forklift trucks – and become a more powerful supplier.

Why PALOMAT® AGV?

- Delivered with the AGV interface with 24VDC I/O signals for external equipment
- Ensures a uniform docking – always stacks and destacks at floor level
- Delivered with or without software (a complete program within the PLC)
- Is offered in both a 100% electric and a pneumatic version
- Can communicate with all kinds of driverless forklift trucks
- Delivered with complete documentation in your customers' languages
- Easy installation
- Customer drawings to use in your own layout (step/ dwg)
- 25 years' experience in the production of pallet magazines

➤ **PALOMAT® AGV** can be included as a natural part of, e.g. a production line, a store or a packaging department – in which it, in conjunction with driverless forklift trucks, will streamline the flow of pallets and increase productivity.



➤ PALOMAT® AGV is delivered with or without software:

With software: including the program in the PLC, which communicates with the interface. It is ready to communicate with driverless forklift trucks.

Without software: the program in the PLC needs to be modified (using a TIA-program), so that it can communicate with the interface. The PLC has been prepared with wiring.

➤ **PALOMAT® AGV** is CE approved. When it is integrated into an automation solution, the responsible project manager/ integrator is responsible for the overall CE approval.



EFFECTIVE PALLET FLOW • UNIFORM DOCKING • EASY INSTALLATION

