

Rapid access to all stored goods due to high circulation speed

Storage area increased due to high-density storage

Maximum use of space using minimum floor area

Extensive safety features and ergonomic design



## Paternoster racking system

### Vertical paternoster racking system (650 kg)

The PRK consists of carriers and shelves which are always conveyed to the user via the shortest route. The stored goods are automatically delivered via an ergonomically positioned service opening. Each PRK can be used as a stand-alone solution or be incorporated into a combined system.

As a result, PRK vertical carousel has a higher MTBF (Mean Time Between Failure Rate) than most other applications. An emergency hand crank provides permanent access to the stored goods even during a power failure.

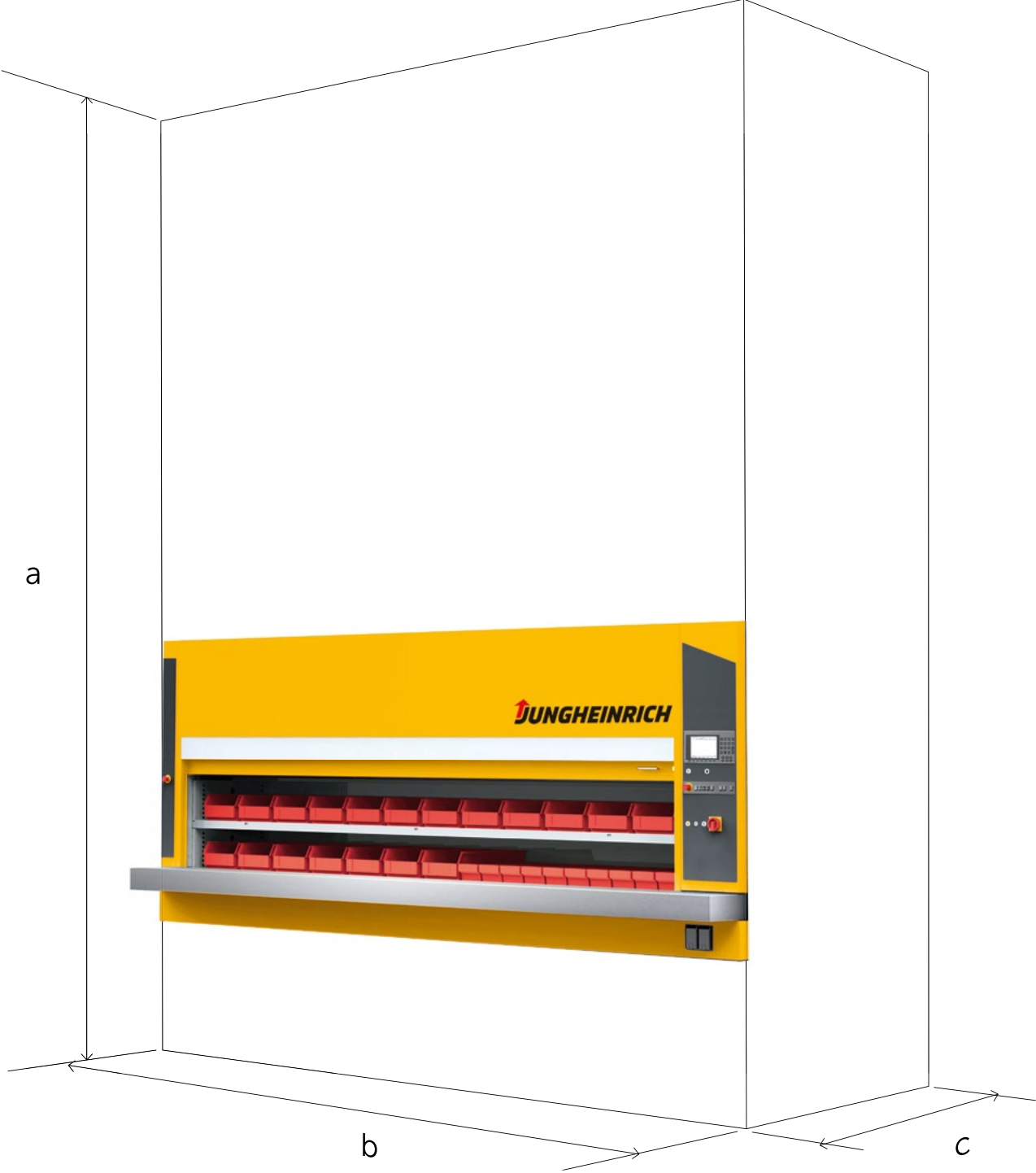
To ensure maximum safety, the PRK is equipped with both operator and product photocells. Unauthorised access to stored goods is prevented by the lockable sliding door. In addition to this mechanical anti-theft protection, it is possible to secure the entire system or individual sections using an individual password assignment or by transaction tracking.

Utilising the good-to-person concept eliminates wasted time spent walking and searching to find required parts. Delivering parts to the workstation can increase productivity by up to 65 percent.

All carriers are delivered at an ergonomically correct height, thereby avoiding unnecessary bending and additional fatigue. Taking advantage of the unused space in the height enables the PRK to save up to 85 percent compared to racking and drawer systems. The floor space gained as a result can be used for additional production or quality checks.

Different pick-to-light technologies can be integrated to increase accuracy up to 99.9 percent. A transaction information centre at the workstation can report the exact location of the required item, the part number as well as the quantity to be retrieved on the display.

# Paternoster racking system



# Technical data

Model description		PRK180	PRK350	PRK650
Appliance height	mm   a	2210-7510	2360-10010	2360-10010
Appliance width <sup>1)</sup>	mm   b	3075-3875	3075-3875	3075-3975
Appliance depth	mm   c	1251/1441/1631	1271/1471/1671	1311/1511/1711
Max. load	kg	6000	12500	19000
Colour		RAL1028/RAL7035 or individual colour choice		
Carrier width <sup>1)</sup>	mm	2450-3250		
Carrier depth	mm	428/528/628		
Max. load per carrier	kg	180	350	650
Max. load intermediate shelf (standard)	kg	100	225	310
Max. load intermediate shelf (reinforced)	kg	150	150	150
Max. goods height	mm	356	483	450
Motor	kW	1.1	2.2	3.8
Speed	m/s	Max. 0.125	Max. 0.125	Max. 0.125
Max. load imbalance	kg	600	1200	2100
Max. number of openings		5	5	5
Manual door		Standard		
Automatic door		Optional		
Personal protection		Light curtain		
Option		Confirmation bar/confirmation button		
Control panel		OP0/OPJH-Control		
Control		JH-Control 1000 (Standard)/JH-Control 2000 (Optional)		
Imbalance detection		Standard		
Pick-by-light		LED position indicator/TIC matrix		
Safety		Lockable door (standard)		
Emergency system		Emergency hand crank		

<sup>1)</sup>Special dimensions on request

# Benefit from the advantages

## System integration

In order to integrate the PRK into your storage processes as efficiently as possible, the optional Logistics Interface provides an interface to your warehouse IT. This connection optimises picking processes with the carousel racking and facilitates a real-time inventory in the warehouse management system.

## Investment reliability

- Longevity
- Retrofitting and conversion packs available for change of use

## Ergonomics

- 'Good-to-person' principle
- Multifunctional profile: Individual mounting for control panel
- Smooth-running sliding door
- Confirmation bar

- Optimum user friendliness

## Security

- Emergency hand crank in case of power failure
- Clip system for simple, quick assembly and greater system stability
- Access control
- Optimum protection for personnel and goods
- Certified security

## Quality and cost-effectiveness

- Noticeably minimised life-cycle costs (TCO): avoided instead of recovered
- Certified quality and environmental management systems
- Made in Germany
- Global service network

## Individuality and flexibility

- Flexible carrier concept
- Can be retrofitted in different models
- Many options
- Available as stand-alone or integrated solution

## Speed and productivity

- Very high picking performance
- High circulation speed
- Optimisation and consolidation of storage areas
- Reduction of picking errors
- Short picking times
- Position display

## 85% less needed space

- Clearly arranged storage of small parts
- Short distances, quick access
- Suitable for all common storage containers and storage bins

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