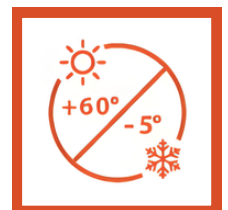




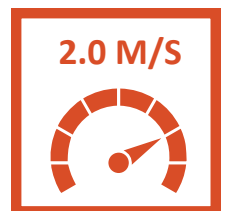
AMTR Cold

High-speed self-repairing door designed for cold storage environments

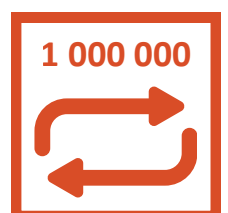
- Self-repairing curtain system minimizing downtime after impact
- Designed for cold rooms and controlled temperature environments
- Opening speed up to 2.0 m/s
- Insulated PVC curtain with improved thermal performance ($U = 3.7 \text{ W/m}^2\text{K}$)
- Suitable for indoor and outdoor applications
- Wind resistance up to Class 3 (EN 12424)
- Pre-wired inverter control system for smooth operation
- Integrated safety system with IP67 multibeam light barrier
- Available in stainless steel version (AISI 304 / 316)



THERMAL INSULATION



OPENING SPEED UP TO 2.0 M/S



UP TO 1,000,000 CYCLES

General information

AMTR Cold is a **high-speed self-repairing roll-up door** designed for cold storage and controlled temperature environments where **maintaining stable positive temperature** is essential. The door is suitable for both indoor and outdoor applications, providing reliable operation in food industry facilities, cold rooms and storage areas.

The system features a **self-repairing curtain** that automatically reinserts into the side guides after accidental impact, ensuring continuous operation and minimizing downtime. **The insulated PVC curtain** combines standard flexible material with additional insulation, achieving a total thickness of approximately 5 mm and a thermal value of $U = 3.7 \text{ W/m}^2\text{K}$, supporting temperature stability inside the facility.

Powered by a 3-phase motor with active brake (IP55) and controlled via an inverter-based system with absolute encoder positioning, the door ensures smooth and precise movement. **Opening speeds of up to 2.0 m/s** allow efficient traffic flow, while adjustable closing speed improves operational safety.

With maximum dimensions of $4500 \times 5000 \text{ mm}$ and **wind resistance up to Class 3 (EN 12424)**, AMTR Cold performs reliably in demanding industrial environments. A wide range of integrated safety features, including **IP67 multibeam light barrier, anti-jamming sensor and emergency opening system**, ensures safe and stable operation in daily use.



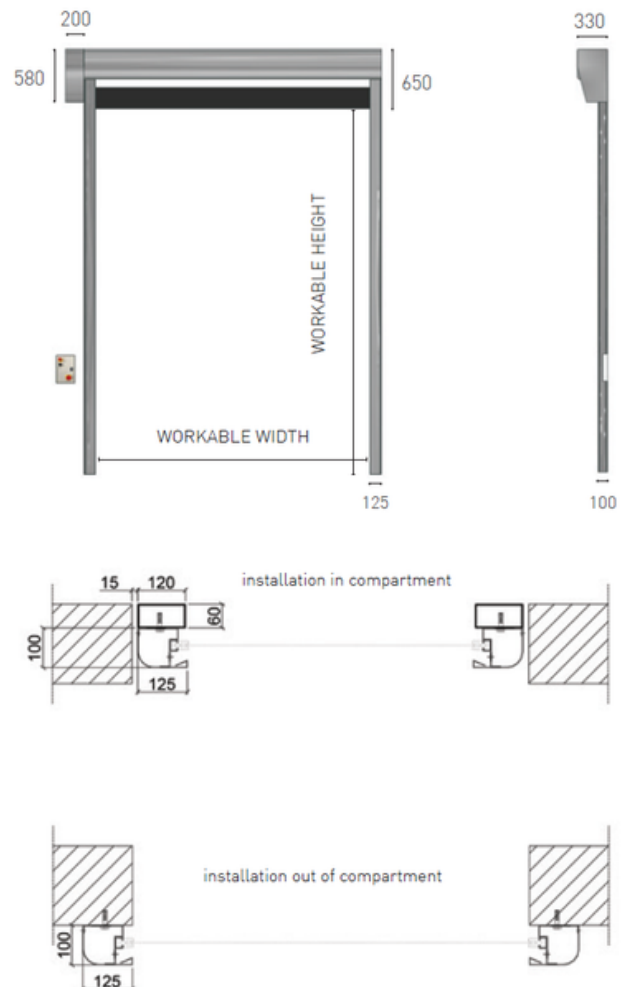
Standard Equipment

- Self-repairing PVC curtain with insulation
- Inverter-based control system (230V logic board)
- Absolute encoder positioning
- 3-phase motor with active brake (IP55)
- Galvanised steel frame and roller
- IP55 control cabinet (powder-coated metal)
- IP67 multibeam safety light barrier
- Anti-jamming curtain sensor
- Safety photocell
- Reflective photocell for insulated curtain
- Emergency STOP push-button
- Manual emergency opening (rod)
- Pre-wired plug & play system

Optional Equipment

- Stainless steel construction (AISI 304 / 316)
- IP66 stainless steel control cabinet
- PVC IP66 control cabinet
- One row of transparent vision windows ($800 \times 180 \text{ mm}$)
- Powder-coated frame
- Microwave radar activation
- UPS emergency opening system
- Additional accessories for operation at negative temperatures
- Informative serigraphy / logos
- Front motor position

Mounting space



TECHNICAL DATA

Application	inside/outside	
Maximum dimensions*	4500 L x 5000 H mm	clear opening width & height
Operating speed	opening closing	up to 2.0 m/sec 0.8 m/sec, adjustable
Wind resistance	EN 12424 4500 L x 5000 H mm	class 3
Range temperature	-5 °C to + 60 °C	additional accessories for operation at negative temperatures
Frame	EN 12604 galvanised steel stainless steel AISI 304 or 316 powder coated	standard optional optional
Roller	galvanised steel stainless steel AISI 304	standard optional
Control cabinet	IP55 metal, powder coated IP66 stainless steel AISI 304-316 PVC IP66	standard optional optional
Motor position	Lateral LH/RH Frontal LH/RH	standard optional
Curtain fabric	Polyvinyl chloride (PVC)+ isolation + Polyvinyl chloride (PVC)	standard 900 g/m2 thickness 0.9 mm + isolation th. 3.2 mm + standard 900g/m2 thickness 0.9 mm TOT 5 mm U 3.7 W/m2K
Windows	one row. L 800 x H 180 mm	optional
Windows type	Transparent	standard
Control system	230V with logic board with inverter	standard
Positioning system	Absolute encoder	standard
Drive unit	EN 12604 3-phase motor with active brake, IP55	standard
Safety devices	EN 12453 Probing sensor Multibeam barrier IP67 Anti-jamming sensor Flashing light Microwave radar	standard standard standard standard optional
Emergency opening	Manual rod UPS	standard optional

*upon request, possibility of other dimensions

Curtain standard colours

