



HIGH
SPEED
DOORS



FRIGO 1 AIR



TECHNICAL DATA



LOW
TEMPERATURE



ANTI INSECTS



HIGH SPEED
Up to 1 m/s



HIGH SAFETIES



SELF-REPAIR



OIL FREE

MAXIMUM DIMENSIONS	W 4500 mm x H 8000 mm
SPEED	Max opening speed Up to 1 m/s
	Closing speed 0,8 m/s adjustable
CYCLES TEST	1.000.000
WIND RESISTANCE	3000 x 3000 Class 4 4500 x 5000 Class 3
STRUCTURE	Not self-supporting
FRAME / MOTOR COVER HOOD	Standard Galvanized steel
	Optional Powder coated Steel Stainless Steel 441/316
CURTAIN	Standard PVC curtain 1300 gr/m ² , 6 W/m ² k
	Optional • Insulated • Translucent 35/40% • FDA (white) • Antistatic
SLIDING SYSTEM	Patented sliding system with high density Polyène self- lubricant equipped of sliding zipper directly on curtain
VENTILATION SYSTEM	1kW / linear meter of useful height
AIR FLOW OF AIR SYSTEM	10 m/s
CONTROL PANEL	Standard Coated steel panel IP54 (300 x 500 x 150 mm)
	Optional • Stainless steel • PVC panel IP65 (300 x 400 x 150 mm)
	Inverted system 50/60 Hz with absolute encoder
	Power supply 1-ph, 230V
	Power supply 3-ph, 400V+N
	Power supply 3-ph, 230V
	Start/Stop button
	2 free contacts (door open/closed/ alarm)
	Automatic/Manual Interlocking between 2 doors
	IP54 rating for motor and control panel
WIRING	IP65 Plug and Play system
SAFETIES	Standard • IP65 photocells set • Anti-jam sensor reverse • IP65 wifi safety edge
	Optional Multi ray light curtain barrier H 2500 IP67
EMERGENCY OPENING	Standard Hand crank
	Optional • Chain system • Counterweight system • UPS Battery
ADVISING OPERATIVE TEMPERATURE	Operating till - 30 °C with addition of heating kit - Not adapt to be installed in negative / positive temperature

DynamicRoll® **FRIGO 1 AIR** is a self-repairing roll up door with a special layered curtain composed by PVC/ polyethylene expanded/ PVC curtain.

The insulating segments on curtain avoid the icing creating a thermal cut with a continuous insulation on curtain. Thickness off curtain is of about 18mm.

The frame structure can be equipped with heating cables placed in the sliding system and in connections to avoid condensation and icing of curtain.

These features make door ideal for refrigeration field to divide environments with different temperatures with humidity less then 30%.

EN13241 CERTIFICATION

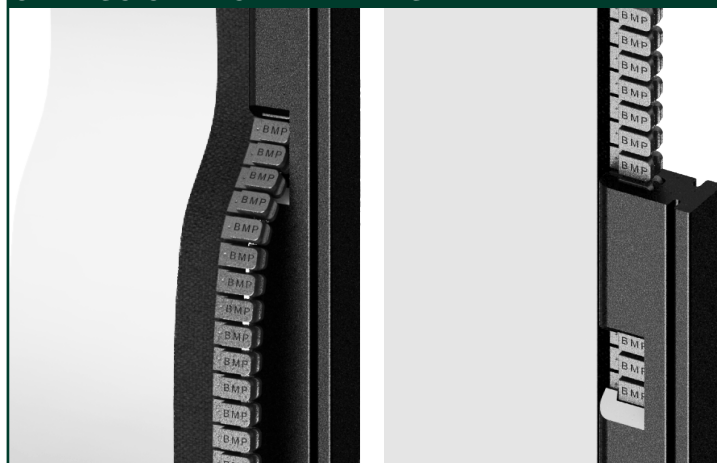
STANDARD	RIF.	TEST ACC.	RESULTS
WATER PERMEABILITY	EN 12425	EN 12489	Class 1
WIND LOAD	EN 12424	EN 12444	Class 2
AIR PERMEABILITY	EN 12426	EN 12427	Class 1
SAFE OPENINGS	EN 12453	EN 12445	✓
MECHANICAL RESISTANCE	EN 12604	EN 12605	✓
UNINTENDED MOVEMENTS	EN 12604	EN 12605	✓
THERMAL TRANSMITTANCE	EN 12428	EN 12428	2,2 W/m²K
PERFORMANCE (CYCLES)	EN 12604	EN 12605	1.000.000

Values can change depending on door dimensions

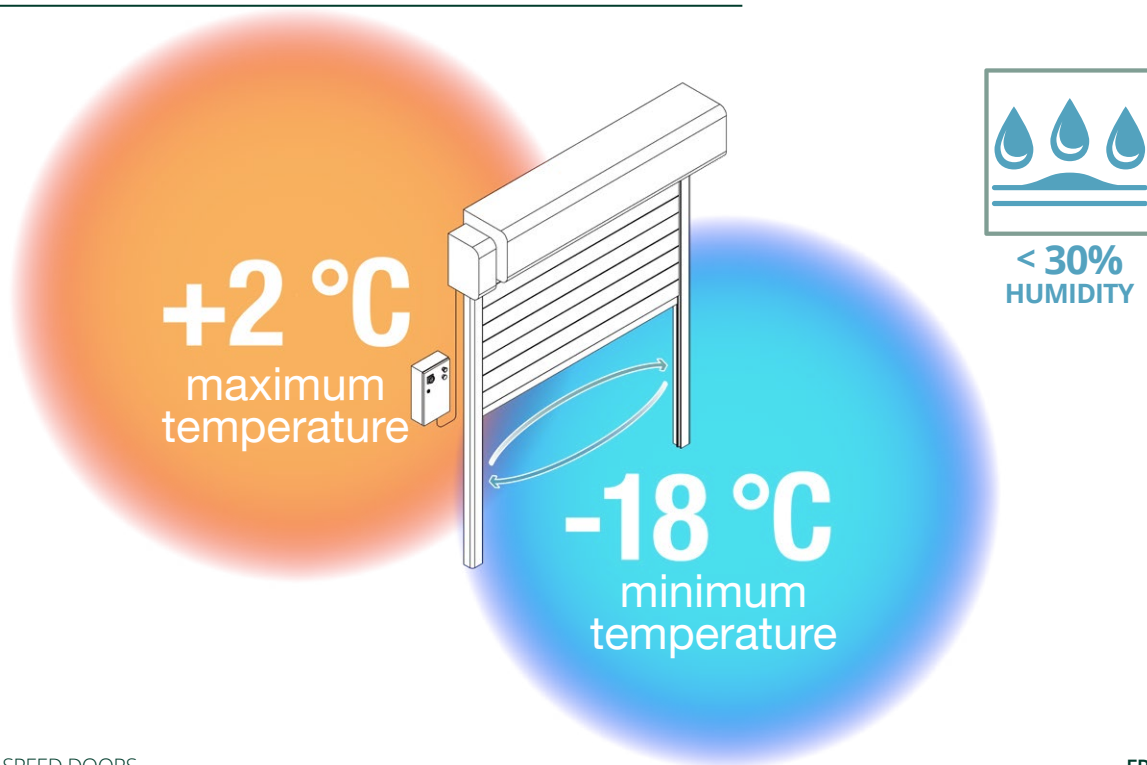
ADVANTAGES

- Self-repairing
- Rapid
- Sealing
- Noiseless
- No rigid elements inside the curtain for 100% safety
- Plug & play (easy to install)
- Low maintenance
- Insulating - Thermal K 2,2 Wm²K

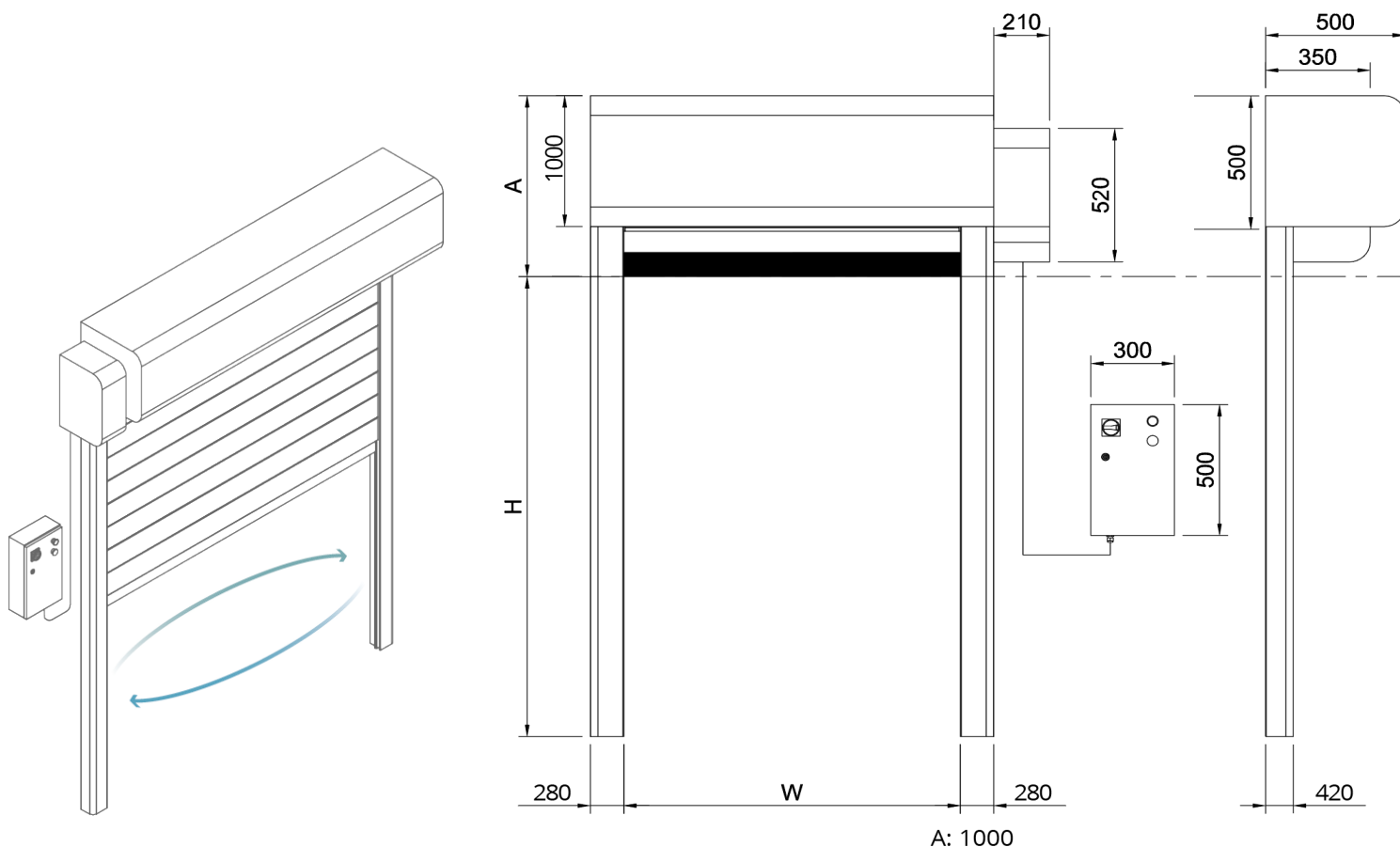
SLIDING SYSTEM / SELF-REPAIRING



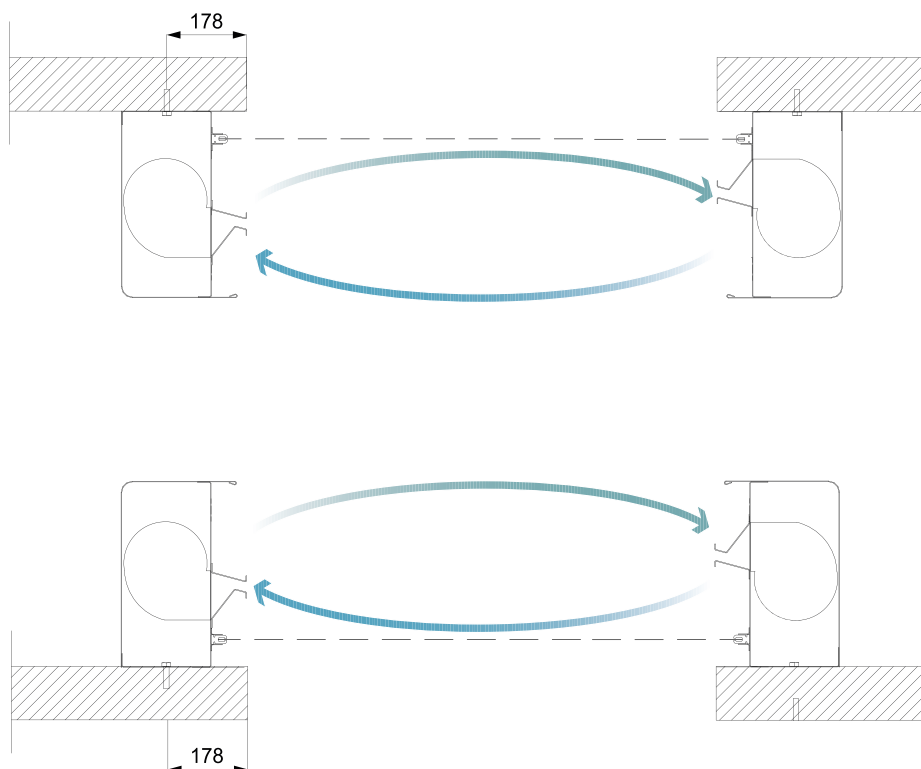
ADVISING OPERATIVE TEMPERATURE



DOOR SPACE REQUIREMENTS



Solution for spaces with different temperatures



ANTI INSECTS



ANTI DUST

Ventilation System

It is strongly suggested where you need to separate two areas with different temperatures or humidity's and high traffic. The Air system guarantees a very good separation of the two areas and temperatures when the door is open thanks to a double ventilation system providing air recirculation across the door opening.

PVC CHARACTERISTICS

STANDARD PVC

Composition and tests

EXTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Opaque	18 standard	0,7 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	900 g/m²
INTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Rough	18 standard	0,2 mm
COLD RESISTANCE ISO 4675/90 -50°C ±5			
HYDROLYSIS TEST 75°C 95% humidity none variation			
GAS OIL TEST - none variation			
MARINE WATER TEST none variation			
OZONE TEST ISO 3011 none crack			
T. STORAGE (°C) -30 +65			
FLAME TEST ISO 3795 < 100 mm/min			
PERFORATION RINA 3.A1.2.7 (N) > 100			
EXERCISE 7 days -70°C ISO 6065 none variation			

Characteristics

THICK ISO 2286/3 (mm) 0,9±0,1
WEIGHT ISO 2286/2 (kg/m²) 0,90±0,1
LOAD BREAK ISO 1421 6000 N/50mm
WARP EXTENSION ISO 1421 4300 N/50mm
TEXTURE EXTENSION ISO 1421 4000 N/50mm
WARP BREAK dIN 53363 (N) > 600
TEXTURE BREAK dIN 53363 (N) > 530
ADHESION dIN EN ISO 2411 130 N/50mm
EEC CONFORMITY - Yes
SPECIFIC USE industry, refrigerators, car washes, supermarkets, warehouses
ASSOCIATION -

Colors



FDA (Food Drug Administration) certificated pvc available

OPTIONAL ACCESSORIES

RADAR



OPENING POINT
RADAR TOF/SPOT
for internal use only



INFRARED RADAR
with cross-movement
adjustment



INFRARED RADAR
motion and presence
(pedestrian/forklift) radar

TRAFFIC LIGHTS



GREEN FIXED STANDARD
traffic light



RED FIXED STANDARD
traffic light



LED TRAFFIC LIGHT
with countdown



LED TRAFFIC LIGHT
BARRIERS
(connection card included)

BUTTONS



OPENING GREEN
BUTTON
with box



OPENING BLACK
BUTTON
with box



FREEZE STOP
BUTTON
with box



NO TOUCH
BUTTON



TRAFFIC LIGHT
BUTTON
DUAL-FUNCTION
opening and
intermittent door
opening/closing
signaling



WIND GAUGE



KEY SELECTOR



REMOTE CONTROL



BOLLARD B-PROTECT



PULL CORD SWITCH



MAGNETIC LOOP DETECTOR

Quality products since 1997

BMP EUROPE HIGH SPEED DOORS
Strada della Freisa 1 - Villanova d'Asti 14019 (AT)
+39 0141 948843
www.bmpdoors.com - info@bmppeurope.eu

05/2024