

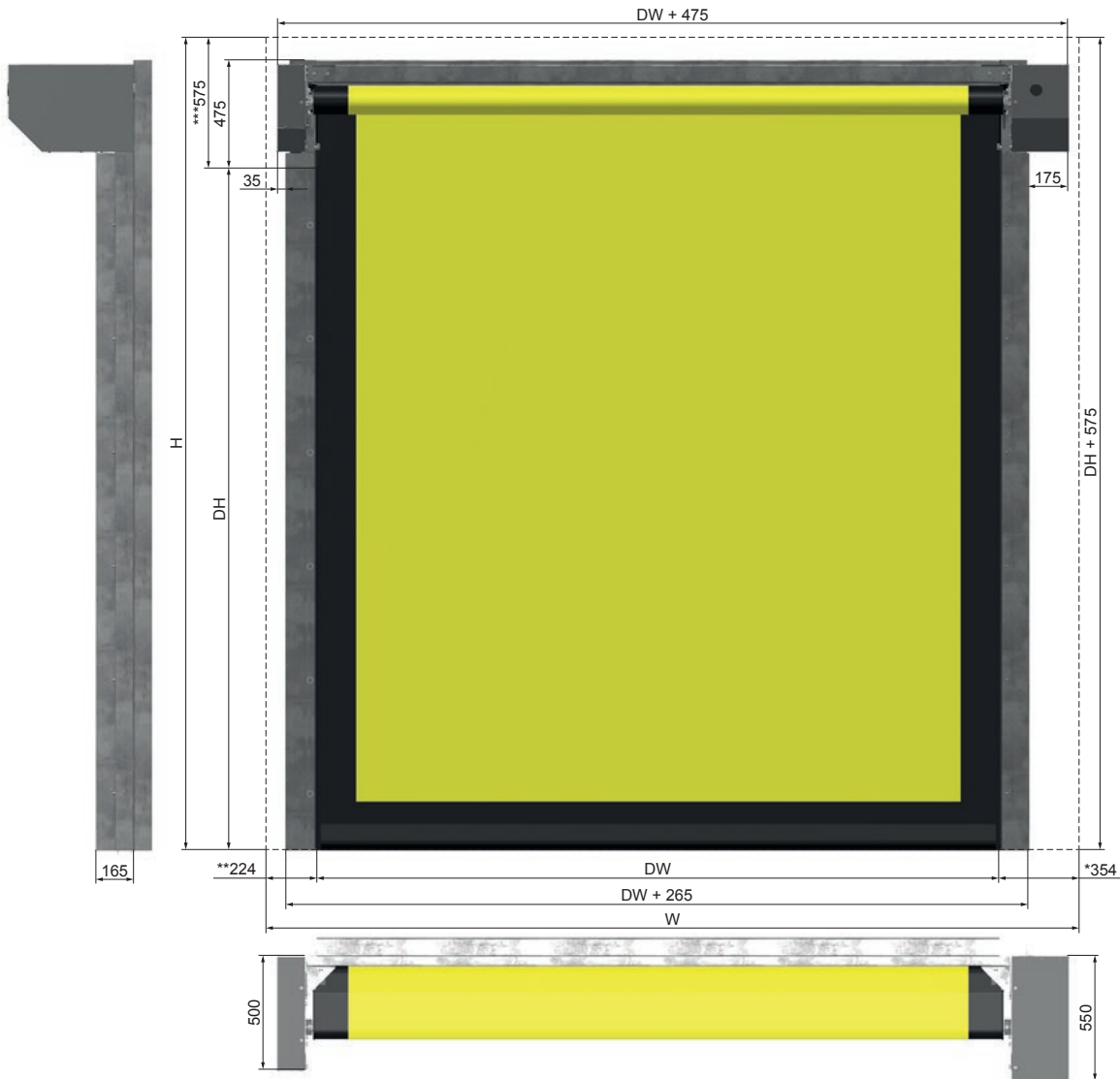
# M2 FREEZER

## PUSH-PULL

GEAR DRIVEN  
TECHNOLOGY

### DIMENSIONS AND INSTALLATION REQUIREMENTS

## Technical Datasheet



#### Key

|           |                    |
|-----------|--------------------|
| <b>W</b>  | Width side wall    |
| <b>H</b>  | Height side wall   |
| <b>DW</b> | Horizontal opening |
| <b>DH</b> | Vertical opening   |

**Standard cable length: 5m**  
Optional: 10m, 15m, ...

#### Consider the space required for installation

|             |          |
|-------------|----------|
| Top of door | ***475mm |
| Left side   | **224mm  |
| Right side  | *354mm   |

#### Door dimensions (mm)

|           | Min  | Max  |
|-----------|------|------|
| <b>DW</b> | 1000 | 5500 |
| <b>DH</b> | 2000 | 4000 |



All indicated dimensions are net; the space necessary for mounting and maintenance has to be provided.  
Reduced dimensions: upon request.  
REMARK: Based on the risk analysis of the environment, extra push buttons, detectors and covers might be required.

Access our Public Configurator  
to design your next Dynaco door.



# M2 FREEZER PUSH-PULL

GEAR DRIVEN  
TECHNOLOGY

## Designed for



Dynaco offers a wide range of products for several industrial applications.  
Find out more on [www.dynacodoor.com](http://www.dynacodoor.com).

### EN13241-1 standards

| Test acc.                            | Ref.     | Standard | Results                 |
|--------------------------------------|----------|----------|-------------------------|
| <b>WATER PERMEABILITY</b>            | EN 12425 | EN 12489 | Class 1                 |
| <b>WIND LOAD</b>                     | EN 12424 | EN 12444 | Class 1                 |
| <b>WIND PERMEABILITY</b>             | EN 12426 | EN 12427 | Class 1*                |
| <b>SAFE OPENINGS</b>                 | EN 12453 | EN 12445 | Pass                    |
| <b>MECHANICAL RESISTANCE</b>         | EN 12604 | EN 12605 | Pass                    |
| <b>UNINTENDED MOVEMENTS</b>          | EN 12604 | EN 12605 | Pass                    |
| <b>CURTAIN THERMAL TRANSMITTANCE</b> | EN 12428 | EN 12428 | 6,02 W/m <sup>2</sup> K |
| <b>PERFORMANCE (CYCLES)</b>          | EN 12604 | EN 12605 | 1.000.000               |












\* Valid for a door of 3500 x 3500mm

### Control Unit

| Standard: DYNALOGIC 4<br>(Composite ABS & PC)  | Optional:  |
|--|--|
| <ul style="list-style-type: none"> <li>• Single phase 230 V AC 1.9kVA 50-60 Hz</li> <li>• Controller with frequency inverter with brake resistor</li> <li>• Enclosure: 250x440x200 mm</li> <li>• Foil keypad</li> <li>• 7-segment display</li> <li>• 10 inputs</li> <li>• 2 relays</li> <li>• 1 digital output</li> <li>• 24 V DC / 500 mA</li> <li>• Main switch</li> <li>• Emergency stop</li> </ul> | <ul style="list-style-type: none"> <li>• <b>DYNALOGIC 4</b> in steel or stainless steel enclosure (same specs as the standard composite version); hygienic design AISI 304 sloped 300x640x210 mm</li> <li>• <b>DYNALOGIC 5</b> 500x500x250 mm in steel or stainless steel enclosure</li> </ul> |

All variants are also available in 3x400V(+N)

### Characteristics

|  |  |  |
|--|--|--|
| <b>MAX. DIMENSIONS</b>   | DW 4000 mm x DH 5500 mm  |  |
| <b>OPENING SPEED</b>   | With standard curtain<br>Up to 2,4 m/s   | With insulating curtain<br>Up to 1,2 m/s   |
| <b>CLOSING SPEED</b>   | With standard curtain<br>1,2 m/s   | With insulating curtain<br>1,2 m/s   |
| <b>STRUCTURE</b>   | Galvanised steel: 80 x 40 x 3 mm.<br>Option: stainless steel.  |  |
| <b>DRUM</b>  | Steel - Ø 102 x 2 mm   |  |
| <b>SIDE GUIDES</b>   | Reinforced polyethylene (PE-UHMW1000) on springs, heated.  |  |
| <b>MOTOR</b>   | 4 poles, without brake<br>Power: 1,5 kW<br>IP rating: IP65.  |  |
| <b>CONTROL BOX</b>   | DYNALOGIC provided with: circuit breaker, general divider, adjustable timer, push button for opening and reset and emergency stop.<br>IP rating: IP65. Frequency inverter. |  |
| <b>STANDARD DETECTORS</b>  | Infrared barrier: 300 mm from the floor.<br>Wireless DYNACO detector (a-WDD).  |  |
| <b>POWER SUPPLY FREQUENCY</b>  | Single phase 230V - 23 A<br>Frequency: 50-60 Hz  |  |
| <b>ADVISED OPERATING TEMPERATURE</b>   | - 30 °C ÷ + 5 °C   |  |
| <b>AVAILABLE COLOURS COMPARABLE WITH:</b><br>(actual colours may deviate, colour samples available upon request) | Yellow   | RAL 1003  |
|  | Orange   | RAL 2004  |
|  | Red  | RAL 3000  |
|  | Blue   | RAL 5002  |
|  | Gentian blue   | RAL 5010  |
|  | Green  | RAL 6005  |
|  | Grey   | RAL 7035  |
|  | White  | RAL 9010  |
|  | Black  | RAL 9005  |
|  | Traffic grey   | RAL 7043  |
|  | Anthracite   | RAL 7016  |



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#### About Dynaco

Dynaco is the world leader in high speed door technology. It offers state of the art solutions for both commercial and industrial applications, including sectional overhead doors.

Founded in 1987, Dynaco has acquired an extensive expertise in high performance doors. Yet it continues to invest in order to exceed your expectations of quality and performance. A network of certified and dedicated partners ensures an optimal service to customers all over Europe.

Dynaco is part of the ASSA ABLOY Group, the world leader in access solutions. Every day, we help billions of people experience a more open world.