



**ENTRE//MATIC**



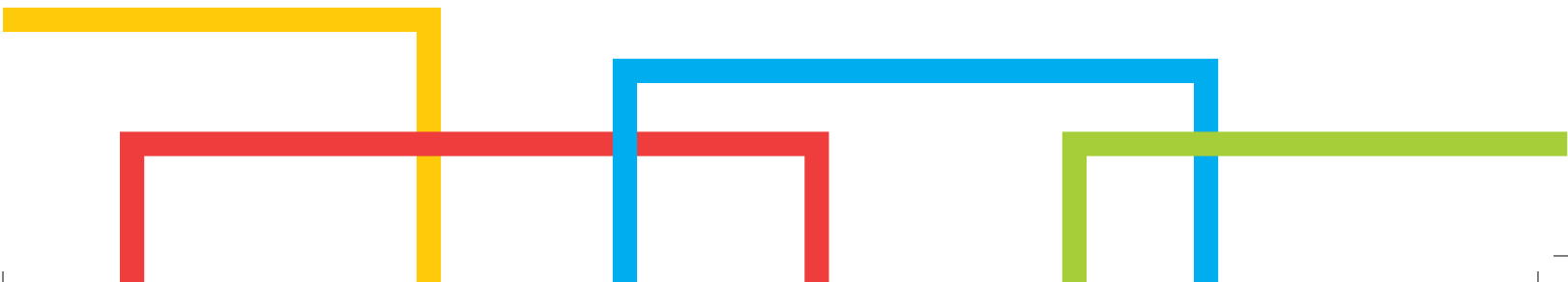
# DYNACO M3 ALL WEATHER

**Push-Pull**  
gear driven technology



outside door

[www.dynacodoor.com](http://www.dynacodoor.com)



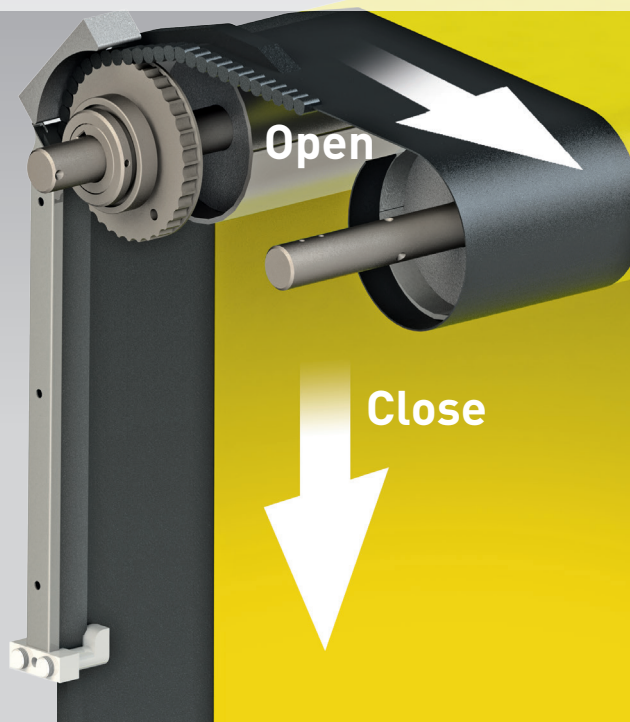
# DYNACO M3 ALL WEATHER

The Dynaco M3 All Weather is specifically designed for large sized outside applications with intensive use and subjected to extreme wind loads. It protects your facilities against wind, rain, snow, dirt and extreme temperatures.

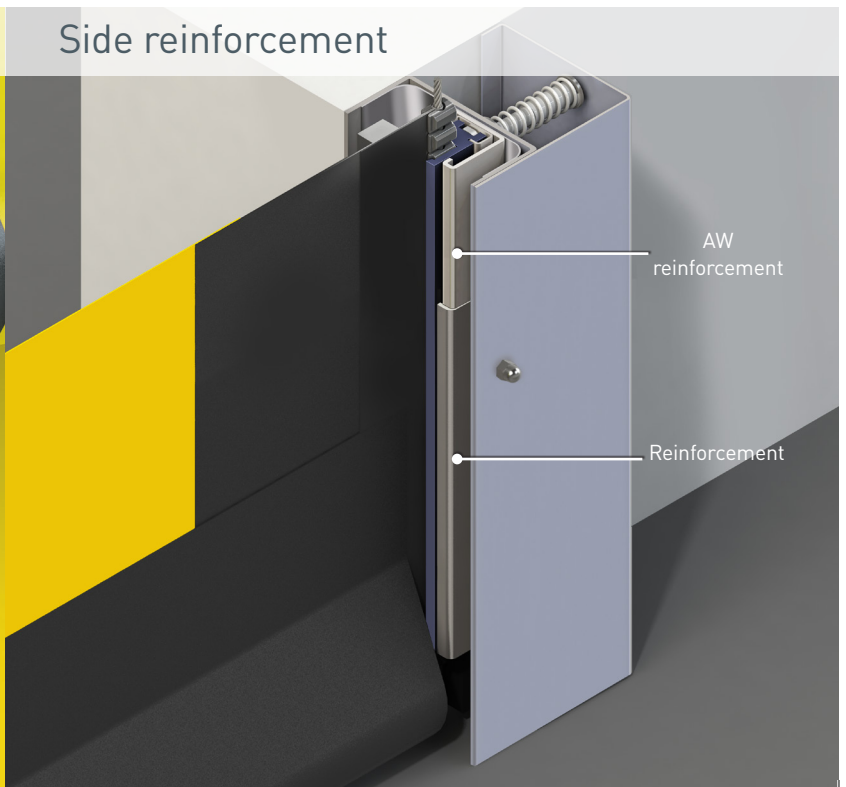
Operating speed and perfect sealing improve your traffic flows and provide employee comfort, environmental control and savings on energy costs. Fully self-reinserting, the Dynaco M3 All Weather will automatically reinsert itself in its side guides when the curtain is accidentally hit.

- **PATENTED “PUSH PULL” TECHNOLOGY:**  
Unique door drive system.
- **SUPERIOR SEAL, WIND RESISTANT:**  
Patented side frame assembly. Neither blade nor brush systems. Up to wind load class 4.
- **CRASH FORGIVING AND SELF-REINSERTING WITHOUT INTERVENTION:**  
The curtain automatically reinserts itself when dislodged. No repair costs, no production down time.
- **USER SAFETY:**  
Flexible curtain without rigid elements.
- **COMFORT OF USE:**  
DYNACO wireless detector at the bottom.
- **ADVANCED DRIVE:**  
Frequency driven motor and encoder for smooth operation. Wearable elements are reduced to a minimum.
- **DYNALOGIC CONTROL BOX:**  
User-friendly control box with self-diagnosis.
- **CONFORM TO EN13241-1**

“PUSH-PULL<sup>PT</sup>” Drive Technology

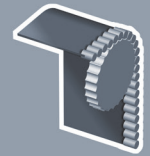


Side reinforcement



# Push-Pull

gear driven technology



























## outside door

### EN13241-1 STANDARDS

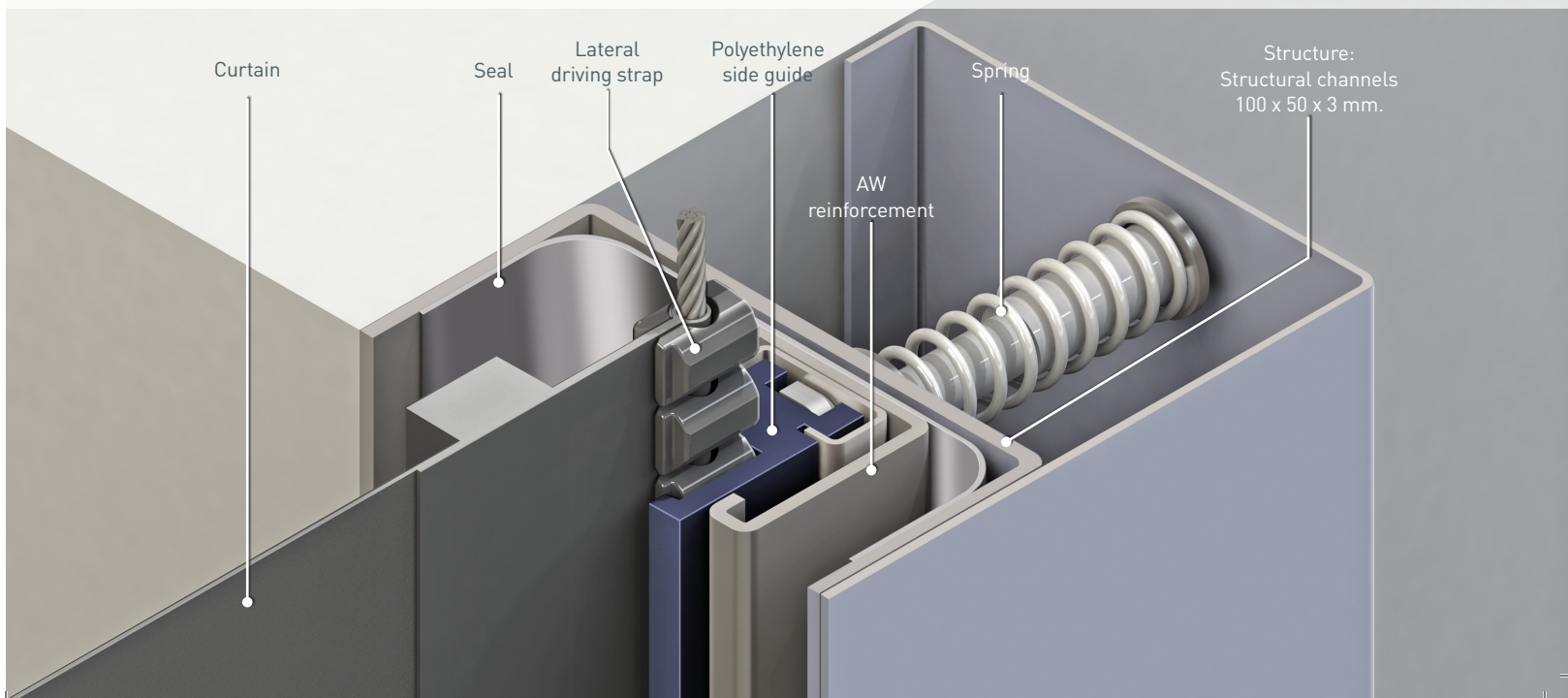
| Standard                     | Ref.     | Test acc. | Results                 |
|------------------------------|----------|-----------|-------------------------|
| <b>Water permeability</b>    | EN 12425 | EN 12489  | Class 1                 |
| <b>Wind load</b>             | EN 12424 | EN 12444  | Class 3*                |
| <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>Thermal transmittance</b> | EN 12428 | EN 12428  | 6,02 W/m <sup>2</sup> K |
| <b>Performance (cycles)</b>  | EN 12604 | EN 12605  | 750.000                 |

\* The indicated class for wind resistance applies for maximum dimensions. For doors up to W 6.000mm x H 5.500mm: Class 4  
 \*\* Valid for a door of 3500 x 3500mm

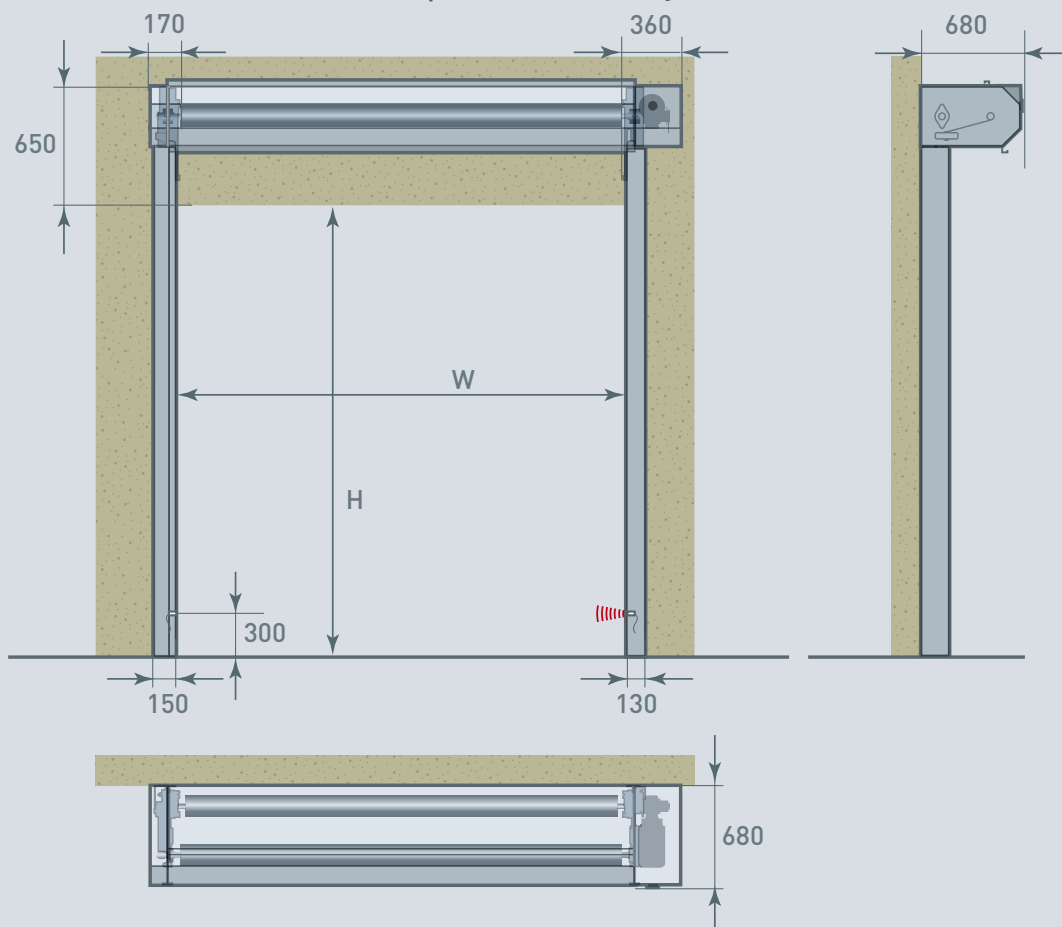
### CHARACTERISTICS

|   |  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
|---|--|----------------|---|---------------|---|----------------|---|--------------|---|-------------|---|---------------|---|--------------|---|---------------|---|
| <b>Max. dimensions</b>  | W 8.000 mm x H 5.500 mm  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Opening speed</b><br><b>Closing speed</b>                        | Up to 1,4 m/s (W< 7500mm) - 0,8 m/s (W≥7500mm)<br>0,6 m/s (W<7500mm) - 0,4 m/s (W≥7500mm)  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Structure</b>  | Galvanised steel: 100 x 50 x 3 mm.   |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Drum</b>   | Steel - Ø 140 x 4 mm.  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Side guides</b>  | Reinforced polyethylene (PE-UHMW1000), on springs. Side guides reinforced over the total height.   |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Motor</b>  | 4 poles, without brake. 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: IP54.<br>Frequency inverter.  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Standard detectors</b>   | Infrared barrier: 300 mm from the floor.<br>Wireless DYNACO detector (WDD).  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Power supply</b><br><b>Frequency</b>                             | Single phase 230V - 18 A<br>Frequency: 50-60 Hz  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| <b>Available colours</b><br>comparable with:                        | <table border="0"> <tbody> <tr> <td>Yellow RAL1003</td> <td></td> <td>Green RAL6005</td> <td></td> </tr> <tr> <td>Orange RAL2004</td> <td></td> <td>Grey RAL7035</td> <td></td> </tr> <tr> <td>Red RAL3000</td> <td></td> <td>White RAL9010</td> <td></td> </tr> <tr> <td>Blue RAL5002</td> <td></td> <td>Black RAL9005</td> <td></td> </tr> </tbody> </table> | Yellow RAL1003 |  | Green RAL6005 |  | Orange RAL2004 |  | Grey RAL7035 |  | Red RAL3000 |  | White RAL9010 |  | Blue RAL5002 |  | Black RAL9005 |  |
| Yellow RAL1003  |   | Green RAL6005  |  |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| Orange RAL2004  |   | Grey RAL7035   |  |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| Red RAL3000   |   | White RAL9010  |  |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| Blue RAL5002  |   | Black RAL9005  |  |               |   |                |   |              |   |             |   |               |   |              |   |               |   |
| (Actual colours may deviate. Colour samples available upon request) |  |                |   |               |   |                |   |              |   |             |   |               |   |              |   |               |   |

### Side guide and lateral driving strap view



## Dimensions and installation requirements Dynaco M3 All Weather



All indicated dimensions are net: the space necessary for mounting and maintenance has to be provided. Remark: drum cover available for doors up to 5900mm wide.

REMARK: Based on the risk analysis of the environment, extra push buttons, detectors and covers might be required.

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#### Disclaimers:

For a correct use of our products, please refer to our manual.

Everything that is mentioned in this brochure is only valid under the terms of use in the user manual and on condition that the door was properly installed and maintained and has not undergone abuse nor neglect.

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