



HIGH
SPEED
DOORS

Dear Sir/Madam,,

Thank you for downloading the documentation for our **Dynamicroll B-Drive** high-speed rolling door: the rapid roll-up door designed for large dimensions and high wind loads. With this accompanying letter, we would like to briefly inform you about the main features of the door. Above all, we want to let you know that you can contact us for a customized specification if it does not meet your requirements.

The Dynamicroll B-Drive is suitable for outdoor use and is fully self-repairing. Additionally, the high-speed sliding door is equipped with a flexible bottom beam. Therefore, there are no rigid parts in the leaf, which significantly increases safety. Its performance in terms of wind resistance, air permeability, thermal insulation, and durability is high.

This makes the total cost of ownership of this door very low.

The door is equipped with a photoelectric barrier. The door leaf features a strip of rectangular transparent windows. The curtain is available in sixteen colors. The frame and cover profiles, provided as standard, are galvanized. At an additional cost, a wide range of colors is available for both the covers and the base frame. The switch box is equipped with a control button, an emergency stop button, and a main switch. A drive button for the opposite side is included.

The attached specifications document describes a standard outdoor door. Naturally, numerous options are available. Please refer to the attached options sheet or contact us for a customized quote tailored to your specific needs.

Best Regards,

BMP HIGH SPEED DOORS

The team

All our deliveries/services are subject to the General Terms and Conditions of Sale. The General Conditions have been deposited with the Chamber of Commerce and are available at our office upon request.



Standards and Classifications

Applicable Standards and Essential Characteristics, EN 13241

- Machinery Directive 2006/42/EC
- EMC DIRECTIVE 2014/30/EU
- Low Voltage DIRECTIVE 2014/35/EU

Water tightness class 1 according to standard EN 12425, tested according to standard EN 12489.

Wind load resistance, depending on dimensions, up to class 5 according to standard EN 12424, tested according to standard EN 12444.

Thermal transmittance $U = W/m^2.K$: 6.02, according to EN 12428.

Air permeability class 1 according to EN 12426, tested according to EN 12427.

Safety vertical movement of the opening according to EN 12453, tested according to EN 12445.

Mechanical aspects - Requirements and test methods according to standard EN 12604, tested according to standard EN 12605.

Operational mechanical reliability according to EN 12604: 1,000,000 cycles, tested according to EN 12605.



30.62.25 ROLLING DOOR.

Manufacturer: BMP HIGH SPEED DOORS.

Type: Dynamicroll high-speed rolling door.

Location: Exterior door.

- Opening speed: adjustable, maximum 2.5 m/s.
- Closing speed: adjustable, 0.8 m/s.
- Resistant to overpressure and underpressure.
- Daylight width (mm): as per specification drawings.
- Daylight height (mm): as per specification drawings.

Door Leaf:

- PVC fabric, opaque, 900 g/m²: U = 6.02 W/m²K, in RAL ... (see optional sheet).

Windows:

- Transparent PVC, rectangular, from 850x500 mm to 1200x500 mm, depending on daylight width, on one track.

Door Frame:

- Galvanized base frame;
- Galvanized roller cover, motor cover, and uprights.

Guides:

- Tempered polyethylene;
- Self-lubricating (do not contain lubricants).

Motor Shaft:

- Aluminum;
- Aluminum gears.

Control Shaft:

- Aluminum.

Anti-crash:

- Flexible and soft bottom beam;
- Hinge attachment;
- Self-repair, recovery system in the guide at the exit point.

Operation:

- Automatic opening, electrically operated;
- Automatic closing, electrically operated.

Operability:

- Via 1 button on the switch box, plus 1 drive button (on the other side).

Safety:

- Photoelectric barrier, door leaf crossing built into the door uprights.

**Guide:**

- Electric motor with frequency control and reducer, suitable for this type of door, speed, and dimensions;
- Electromagnetic brake;
- Counterbalancing;
- Gradual start and stop.

Control:

- Powder-coated steel control cabinet, RAL 7016, IP54;
- Frequency regulator;
- Main switch;
- Emergency stop;
- Adjustable time setting before automatic closing;
- Interlocking function between two doors.

Accessories:

- Wiring;
- Absolute encoder;
- Emergency release;
- Emergency manual crank operation.

Wind resistance:

- < L 4550 mm x H 4550 mm classe 4, EN 12424.
- > L 4550 mm x H 4550 mm classe 3, EN 12424.

Air permeability:

- Class 1, according to EN 12426.

Expected service life:

- 1,000,000 cycles, according to EN 12604.





Options Sheet

If you wish to implement any options, please contact us to receive a customized technical sheet:

[Contact | BMP HIGH SPEED DOORS](#)

Possible door colors, at no additional cost, approximate:

 RAL 1003 (signal yellow)	 RAL 5012 (light blue)	 RAL 7042 (traffic grey A)
 RAL 1015 (light ivory)	 RAL 6018 (yellow green)	 RAL 8017 (chocolate brown)
 RAL 2004 (pure orange)	 RAL 6026 (opal green)	 RAL 9005 (jet black)
 RAL 3002 (ermine red)	 RAL 7016 (anthracite grey)	 RAL 9010 (pure white)
 RAL 5002 (ultramarine blue)	 RAL 7035 (light grey)	
 RAL 5010 (gentian blue)	 RAL 7037 (dust grey)	

Windows:

- Transparent PVC, rectangular, 1200x500 mm or 850x500 mm, single track.
- Transparent PVC, rounded corners, 1200x300 mm or 850x300 mm, double track / multiple strips.
- Transparent PVC, full width, height 500 mm, single track / multiple tracks.
- Transparent PVC, full view.

Insect screen:

- Rectangular insect screen, 1200x500 mm or 850x500 mm, single track / multiple tracks.
- Insect screen with rounded corners, 1200x300 mm or 850x300 mm, double track / multiple tracks.
- Insect screen full width, height 500 mm, single track / multiple tracks.
- Full view insect screen.

Controls:

- PVC electrical cabinet, IP65;
- Stainless steel 304 electrical cabinet, IP66;

Control components:

- Radar impulse, BEA Falcon type, bi-facial or mono-facial.
- Radar impulse, BEA Condor type (with stop detection), bi-facial or mono-facial.
- Pull switch, with 4-meter cable, bi-facial or mono-facial.
- Tof-spot radar, (range 6m), bi-facial or mono-facial.
- 1-channel transmitter, push-button type, including receiver for remote control.
- 2-channel handheld transmitter, with receiver for remote control.
- 4-channel handheld transmitter, with receiver for remote control.

**Frame:**

- Galvanized base frame, covers coated in a non-standard RAL color: RAL ...
- Base frame and covers coated in a non-standard RAL color: RAL ...
- RVS 441, including roller covers, motor covers, and uprights.
- Stainless steel 304, including caps on roller, motor, and uprights.
- RVS 316, including caps on roller, motor, and uprights.

Other stainless steel components:

- Control roller shaft, stainless steel 304.
- Brake, stainless steel 304.

Emergency control:

- Emergency control via UPS, including batteries.