



# DYNAMICROLL<sup>®</sup> CB 125 TM

The CB 125 TM delivers certified airtight cleanroom sealing with an integrated tubular motor for cleaner, faster operation.



Applications: Cleanrooms | Pharma | Medical | Government

- ↳ Exceptionally Hygienic
- ↳ Compact, Airtight Design
- ↳ Unmatched Durability
- ↳ Integrated Tubular Motor
- ↳ Fraunhofer Certified Performance

**JAMISON DOORS<sup>™</sup>**  
*Built to last*

# DYNAMICROLL®

## CB 125 TM

Cleanrooms require more than controlled airflow—every surface and seal must help prevent contaminants and maintain pressure stability. Conventional fabric roll-up doors can introduce exposed components, inconsistent sealing, and hard-to-clean edges that compromise compliance.

Engineered for critical environments, the CB 125 TM high-speed door delivers certified airtight performance with a fully enclosed, compact frame. A brushless tubular motor integrated directly into the roller eliminates bulky side-mounted components, reduces external obstructions, and supports a cleaner, more hygienic installation—while delivering strong starting torque and faster opening speeds for high-traffic cleanroom environments.



### Benefits of DynamicRoll® CB 125 TM Doors



Low Air Permeability



High Safety



Self-Repairing



Oil Free Operation



High Speed Performance



Gravity Technology

### Standout CB 125 TM Features



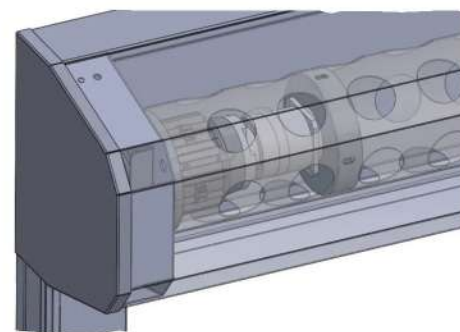
#### Certified ISO 5 Confidence

Fraunhofer, a premier applied research institute in Europe, tested the CB 125 TM, and it has been validated for use in cleanrooms up to ISO 14644 Class 5. This third-party testing confirms ultra-low particle emission performance and supports the door's ability to help maintain clean, stable environments where contamination control matters most.



#### Certified GMP C Performance

Fraunhofer testing confirms the CB 125 TM is suitable for cleanroom applications up to GMP Class C. Designed for pressure-controlled spaces, it supports consistent airflow management and airtight separation—giving pharmaceutical and medical facilities greater confidence in day-to-day operation.



#### Brushless Tubular Motor Integration

This is a huge differentiator vs. conventional high-speed fabric doors. The tubular motor is built into the roller, eliminating bulky side-mounted components for a cleaner footprint, improved hygiene, and performance gains like higher starting torque and faster opening speed.

# Technical Specifications

|                                |                                                                                                                                                                                                                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum dimensions*            | W 13' x H 13'                                                                                                                                                                                                                                                                                  |
| Opening speed                  | Up to 120 in/sec                                                                                                                                                                                                                                                                               |
| Cycles                         | 1,000,000                                                                                                                                                                                                                                                                                      |
| Air Permeability               | Standard Class 2<br><br>Optional Class 5 - Patented magnetic System<br><br>Class 5 with patented magnetic system                                                                                                                                                                               |
| Structure                      | Not self-supporting                                                                                                                                                                                                                                                                            |
| Frame / Motor Cover Hood       | Standard: Galvanized steel<br><br>Optional: Powder coated steel or<br><br>stainless steel                                                                                                                                                                                                      |
| Curtain                        | Standard: 27 oz/yd <sup>2</sup> RF welded to end locks<br><br>Optional: Insulated<br><br>FDA White                                                                                                                                                                                             |
| Sliding System                 | Patented sliding system with high density<br><br>Polyzene self-lubricant equipped of sliding<br><br>encapsulated curtain edge                                                                                                                                                                  |
| Control Panel                  | Standard:NEMA 1<br><br>Optional: Stainless steel<br><br>PVC box NEMA 4X<br><br>Inverter system 50/60 Hz<br><br>Absolute encoder<br><br>Start/stop button<br><br>2 free contacts<br><br>Available interlocking between 2 doors<br><br>NEMA 4X panels and IP65 motors<br><br>3-ph, 208 V - 460 V |
| Wiring                         | Plug and play system                                                                                                                                                                                                                                                                           |
| Safeties                       | Standard: Photocells, unroll sensor,<br><br>and WiFi safety edge<br><br>Optional: Multi ray light curtain barrier                                                                                                                                                                              |
| Emergency Opening              | Standard:Mechanical key<br><br>Optional: UPS battery backup                                                                                                                                                                                                                                    |
| Advising Operative Temperature | Operating until 14°F with heating kit<br><br>added. Not apt to be installed in<br><br>negative to positive temperature<br><br>conditions.                                                                                                                                                      |

# EN13241 Certification

| STANDARD              | RIF.     | TEST ACC. | RESULTS                                             |
|-----------------------|----------|-----------|-----------------------------------------------------|
| WATER PERMEABILITY    | EN 12425 | EN 12489  | Class 1                                             |
| WIND LOAD             | EN 12424 | EN 12444  | Class 3                                             |
| AIR PERMEABILITY      | EN 12426 | EN 12427  | Class 2<br>Class 5 with patented<br>magnetic system |
| SAFE OPENINGS         | EN 12453 | EN 12445  | ✓                                                   |
| MECHANICAL RESISTANCE | EN 12604 | EN 12605  | ✓                                                   |
| UNINTENDED MOVEMENTS  | EN 12604 | EN 12605  | ✓                                                   |
| THERMAL TRANSMITTANCE | EN 12428 | EN 12428  | 6.02 W/m2K                                          |
| PERFORMANCE CYCLES    | EN 12604 | EN 12605  | 1,000,000                                           |

Values can change depending on door dimensions.

# Witness Superior Sealing for Yourself

50PASCAL  
TEST

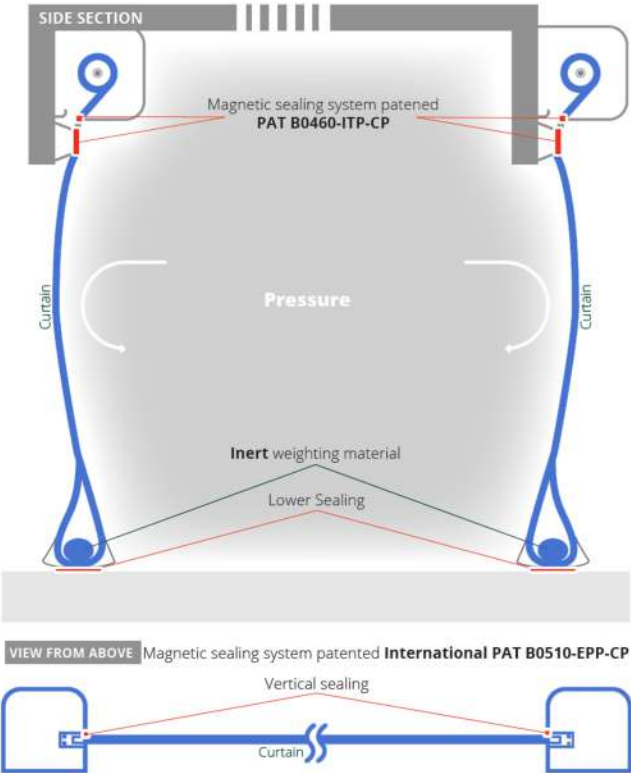


WATCH THE VIDEO!



The CB 125 TM achieves ISO 5 certification thanks to its advanced sealing system, earning recognition for Single Product Particle Emission and Single Product Hygienic Design. Scan the code above to see the manufacture, BMP, run an air permeability test.

## Sealing Systems



| TEST DATA WITH PRESSURE                         |       |     |       |
|-------------------------------------------------|-------|-----|-------|
| Door size 3500 (L) x 3000 (H) UNI EN 12427:2002 |       |     |       |
| Pa                                              | m³/h  | -Pa | m³/h  |
| 10                                              | 4,82  | -10 | 9,80  |
| 20                                              | 6,30  | -20 | 10,68 |
| 30                                              | 13,35 | -30 | 14,48 |
| 40                                              | 11,64 | -40 | 19,12 |
| 50                                              | 12,67 | -50 | 19,91 |

## Air Permeability

The air permeability of an evidence shall be declared according to the given classes in table.  
An evidence belongs to a specific class, if the test results measured respecting the EN 12427 do not exceed the value specified for that class in table.

| CLASS | AIR PERMEABILITY | SPECIFICATION                                                                       |
|-------|------------------|-------------------------------------------------------------------------------------|
| 0     | -                | No benefits determined                                                              |
| 1     | 24               | -                                                                                   |
| 2     | 12               | -                                                                                   |
| 3     | 6                | -                                                                                   |
| 4     | 3                | -                                                                                   |
| 5     | 1.5              | -                                                                                   |
| 6     | -                | Exceptional; agreement between manufacturer and buyer for infiltration and pressure |

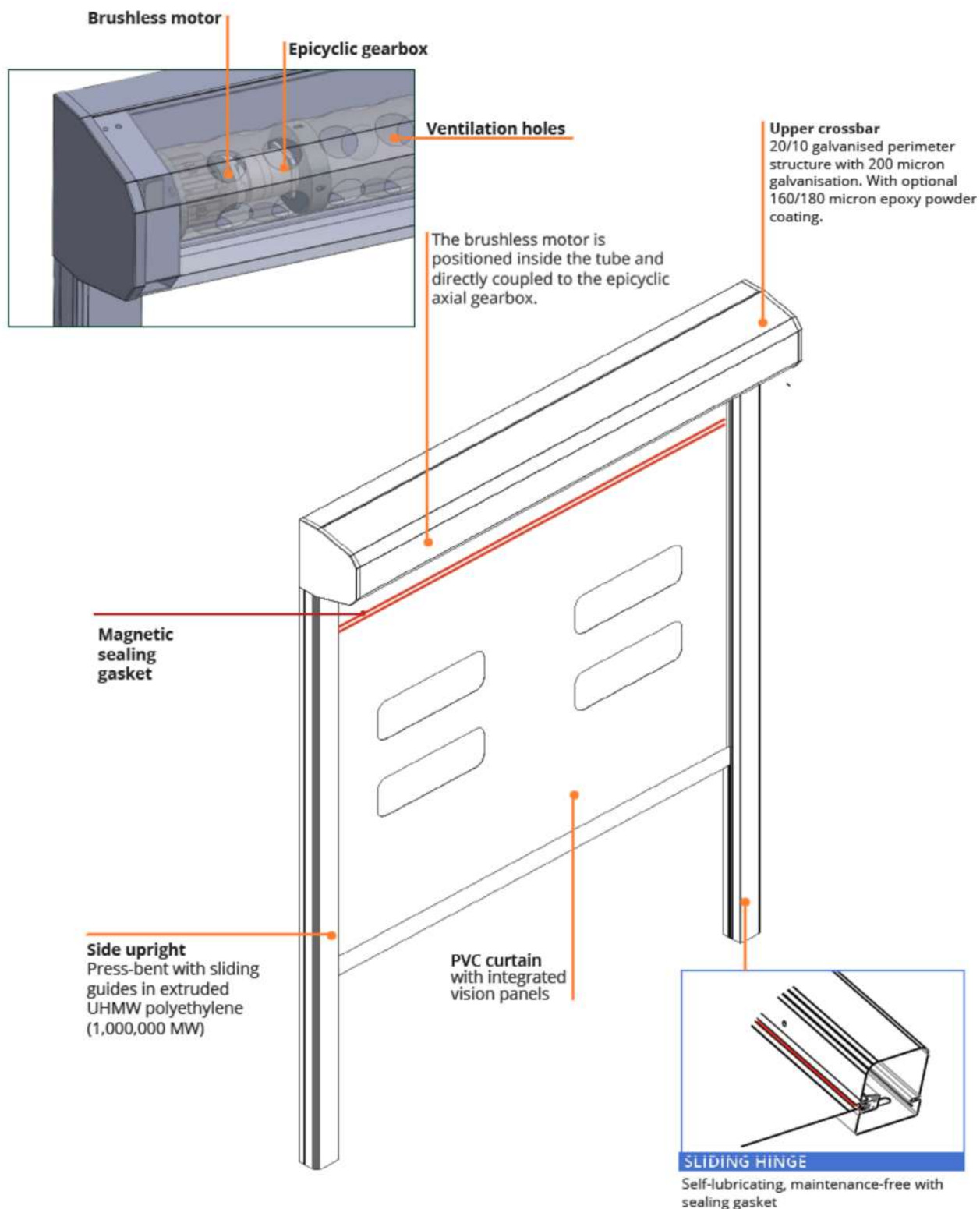
Where conditions greater than 50 Pa are applied, the situation must be considered exceptional and greater than class 5 and should be the subject of contractual approval between manufacturer and purchaser.

## Door Space and Details

# TECHNICAL DATA

CB 125 TM

## Characteristics



## PVC Characteristics

### Standard PVC

| Composition and tests |           |                |                      | Characteristics                                               |  |
|-----------------------|-----------|----------------|----------------------|---------------------------------------------------------------|--|
| EXTERNAL SIDE         |           |                |                      | THICK                                                         |  |
| Material              | Finishing | Color          | Thick                | ISO 2286/3                                                    |  |
| PVC                   | Opaque    | 18 standard    | 0,7 mm               | (mm) 0,9±0,1                                                  |  |
| FABRIC                |           |                |                      | WEIGHT                                                        |  |
| Material              | N. tarps  | Title          | EN 2286-2            | ISO 2286/2                                                    |  |
| PES                   | 1         | 1100Dtex 12x12 | 900 g/m <sup>2</sup> | (kg/m <sup>2</sup> ) 0,90±0,1                                 |  |
| INTERNAL SIDE         |           |                |                      | LOAD BREAK                                                    |  |
| Material              | Finishing | Color          | Thick                | ISO 1421                                                      |  |
| PVC                   | Rough     | 18 standard    | 0,2 mm               | 6000 N/50mm                                                   |  |
| COLD RESISTANCE       |           |                |                      | WARP EXTENSION                                                |  |
| ISO 4675/90           |           |                |                      | ISO 1421                                                      |  |
| -50°C ±5              |           |                |                      | 4300 N/50mm                                                   |  |
| HYDROLYSIS TEST       |           |                |                      | TEXTURE EXTENSION                                             |  |
| 75°C 95% humidity     |           |                |                      | ISO 1421                                                      |  |
| none variation        |           |                |                      | 4000 N/50mm                                                   |  |
| GAS OIL TEST          |           |                |                      | WARP BREAK                                                    |  |
| none variation        |           |                |                      | dIN 53363                                                     |  |
|                       |           |                |                      | (N) > 600                                                     |  |
| MARINE WATER TEST     |           |                |                      | TEXTURE BREAK                                                 |  |
| none variation        |           |                |                      | dIN 53363                                                     |  |
|                       |           |                |                      | (N) > 530                                                     |  |
| OZONE TEST            |           |                |                      | ADHESION                                                      |  |
| ISO 3011              |           |                |                      | dIN EN ISO 2411                                               |  |
| none crack            |           |                |                      | 130 N/50mm                                                    |  |
| T. STORAGE            |           |                |                      | EEC CONFORMITY                                                |  |
| (°C)                  |           |                |                      | Yes                                                           |  |
| -30 +65               |           |                |                      | SPECIFIC USE                                                  |  |
| FLAME TEST            |           |                |                      | Industry, refrigerators, car washes, supermarkets, warehouses |  |
| ISO 3795              |           |                |                      | ASSOCIATION                                                   |  |
| < 100 mm/min          |           |                |                      | -                                                             |  |
| PERFORATION           |           |                |                      |                                                               |  |
| RINA 3.A1.2.7         |           |                |                      |                                                               |  |
| (N) > 100             |           |                |                      |                                                               |  |
| EXERCISE 7 days -70°C |           |                |                      |                                                               |  |
| ISO 6065              |           |                |                      |                                                               |  |
| none variation        |           |                |                      |                                                               |  |

### FDA Certificated PVC

| Composition and tests           |          |                 |                       | Characteristics                |  |
|---------------------------------|----------|-----------------|-----------------------|--------------------------------|--|
| TOP FACE COATING                |          |                 |                       | THICKNESS                      |  |
| Material                        | Finish   | Color           | Thickness             | ISO 2286/3                     |  |
| PUR                             | Opaque   | White           | 0,6 mm                | (mm) 1,20±0,1                  |  |
| FABRIC                          |          |                 |                       | WEIGHT                         |  |
| Material                        | N. tarps | Title           | EN 2286-2             | ISO 2286/2                     |  |
| PET                             | 1        | 2200 Dtex 12x12 | 1500 g/m <sup>2</sup> | (kg/m <sup>2</sup> ) 1,90±0,1  |  |
| UNDERSIDE COATING               |          |                 |                       | TENSILE STRENGTH WARP          |  |
| Material                        | Finish   | Color           | Thickness             | ISO 1421                       |  |
| PUR                             | Plain    | White           | 0,6 mm                | 6000 N / 50mm                  |  |
| COLD RESISTANCE                 |          |                 |                       | ELONGATION YARN                |  |
| ISO 4675/90                     |          |                 |                       | ISO 1421                       |  |
| -30°C ±5                        |          |                 |                       | [%] > 14                       |  |
| TROPICAL TEST                   |          |                 |                       | ELONGATION WEFT                |  |
| 75°C 95% humidity               |          |                 |                       | ISO 1421                       |  |
| none variation                  |          |                 |                       | [%] > 20                       |  |
| DIESEL FUEL TEST                |          |                 |                       | TEAR RESISTANCE WARP           |  |
| none variation                  |          |                 |                       | dIN 53363                      |  |
|                                 |          |                 |                       | (N) > 250                      |  |
| SEA WATER TEST                  |          |                 |                       | TEAR RESISTANCE WEFT           |  |
| none variation                  |          |                 |                       | dIN 53363                      |  |
|                                 |          |                 |                       | (N) > 220                      |  |
| OZONE TEST                      |          |                 |                       | PEELING TEST                   |  |
| ISO 3011                        |          |                 |                       | dIN EN ISO 2411                |  |
| none crack                      |          |                 |                       | 130 N/50mm                     |  |
| T. STORAGE                      |          |                 |                       | FDA COMPLIANCE CEE             |  |
| (°C)                            |          |                 |                       | Yes                            |  |
| -30 +65                         |          |                 |                       | SPECIFIC USE                   |  |
| ABRASION                        |          |                 |                       | cleanrooms, clinical, hospital |  |
| ISO 5470/80, 5N C517 400 cycles |          |                 |                       | ASSOCIATION                    |  |
| (mg) 1                          |          |                 |                       | DynamicRoll                    |  |
| PUNCTURE                        |          |                 |                       |                                |  |
| RINA 3.A1.2.7                   |          |                 |                       |                                |  |
| (N) > 125                       |          |                 |                       |                                |  |
| EXERCISE 7 days -70°C           |          |                 |                       |                                |  |
| ISO 6065                        |          |                 |                       |                                |  |
| none variation                  |          |                 |                       |                                |  |

## Window Characteristics

Only suitable for positive temperature environments

| Article | SUPERCLEAR 0.75 mm FR |
|---------|-----------------------|
|---------|-----------------------|

| Technical Specifications              | Standards    | Unit             | Values |
|---------------------------------------|--------------|------------------|--------|
| Thickness                             | -            | mm.              | 0.75   |
| PVC total weight                      | -            | g/m <sup>2</sup> | 940    |
| Light transmission                    | JIS K - 7361 | %                | 87.5   |
| Tensile strength <i>Lengthwise MD</i> | JIS K - 6732 | N                | 26.6   |
| Tensile strength <i>Crosswise TD</i>  | JIS K - 6732 | N                | 24.2   |
| Tear strength <i>Lengthwise MD</i>    | JIS K - 6732 | N                | 55.6   |
| Tear strength <i>Crosswise TD</i>     | JIS K - 6732 | N                | 57.4   |
| Elongation <i>Lengthwise MD</i>       | JIS K - 6732 | %                | 406    |
| Elongation <i>Crosswise TD</i>        | JIS K - 6732 | %                | 414    |
| Cold crack resistance                 | JIS K - 6772 | °C               | -40    |

## Optional Accessories

- Radar**
  - Infrared radar with motion and presence (pedestrian/forklift) radar
  - Infrared radar with cross-movement adjustment
- Traffic Lights**
  - LED traffic light with red/green lights and countdown
  - LED light bar system with red moving/green open lights
- Buttons**
  - Mushroom push button with IP65 housing
  - LED push button with red/green lights
- Other**
  - Remote control
  - Magnetic loop detector
  - Pull cord switch
  - Bollard b-protect

## Additional Curtain Colors





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For more than a century, Jamison has helped businesses open the right doors - to progress, to protection, to performance. From cold storage and cleanrooms to logistics, aerospace, and government facilities, our solutions are trusted in the most demanding environments.

Built with care in Hagerstown, Maryland, and installed across the globe, every Jamison door reflects our dedication to quality, precision, and partnership.

Whether you're planning a new facility or upgrading an existing one, we're here to guide you to the right solution - one that works just as hard as you do.

### Learn More About This Product

Scan the QR code to access product details.



# JAMISON DOORS™

Member of **BMP Group**

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Jamison Door Company reserves the right to change materials or construction without notice.



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