

Data sheet

High speed refrigerated door

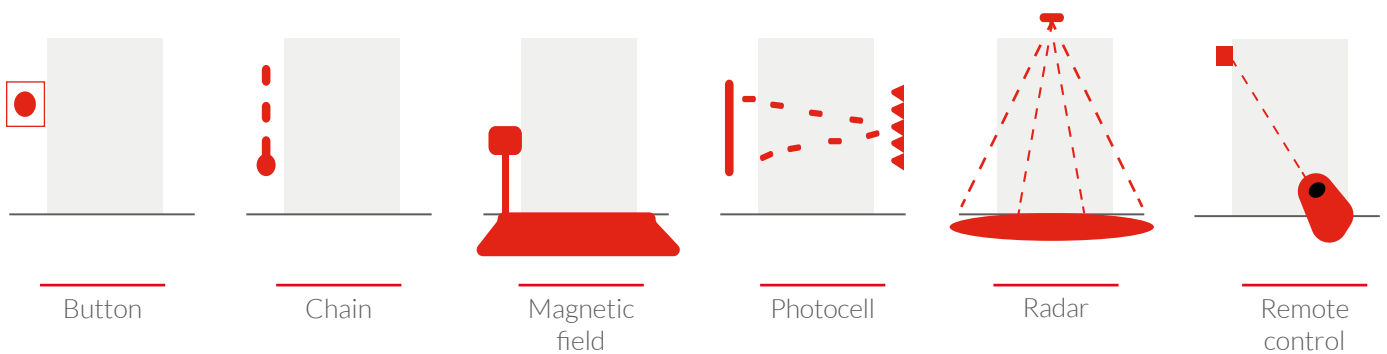
High speed refrigerated door T+32°/0°F self-repairing



Kavidoors single canvas high-speed refrigerated doors are specially designed as a solution to **limit condensation in refrigerated rooms with a high load of humidity** and its access.

Use for refrigerated rooms for **chiller rooms (+32 °F) and freezer rooms (0 °F)**. Withstands temperatures down to -5 °F. Self-healing function.

Opening options:



Options

- White lacquer.
- High speed door with integrated air curtain.
- Opening timer.
- Door with all components in 304 stainless steel.



Structure

Guides of anodized aluminum with gaskets of polyethylene for **superior insulation**.

Stainless steel lintel with a dynamic lintel system to adapt to the canvas and **thus avoid the passage of air and loss of temperature**. Support console and fixings.

Safety

The door has an emergency switch inside, adapted to low temperatures, and outside. For **freezer rooms**, the door has a **transmitter receiver photocell incorporated in the guide** so that the condensation does not cause false positives. Availability of photocell system in the lintel for **anti-crushing safety** with return. SOFT EDGE lower profile canvas.

Canvas

Canvas without sight glass of 5 mm (1/2") with thermal transmittance of 3.3 W/m²K. **Double heating system in guides, motor and canvas to prevent the forming of ice** in freezing chambers. The canvas and motor withstand temperatures down to -5°F.

Colors

We have a **wide variety of RAL colors** to meet the needs of each client.



Power operation

- UL listed. Control box.
- Adjustable supply voltages: 230/460/575 V.
- Operating frequency: 50/60 Hz.
- Max output power of the door drive unit: 5.5 kW.
- Max rated motor current: 20 A.
- External mains supply: 24 V DC / 0.5 A.
- Inputs: 24 V DC / 0.1 A.
- Relay contacts: 24 V DC / 1 A each.
- Permissible temperature range: 14... 104 F°.
- Humidity during operation: max 93% (non-condensing).

Motor

- Elektromaten
- 3x380/400 VAC+N+PE, 90 rpm motor.
- IP65 protection.
- Power: 0.55 kW.
- The speed of the door depends on the dimensions.
- Temperature control integrated in the connection plate.
- 60 N/m.
- Thermal sensor: -100 °F.



No Frost system

Prevents the forming of ice.



Insulation

High insulation.



Energy cost

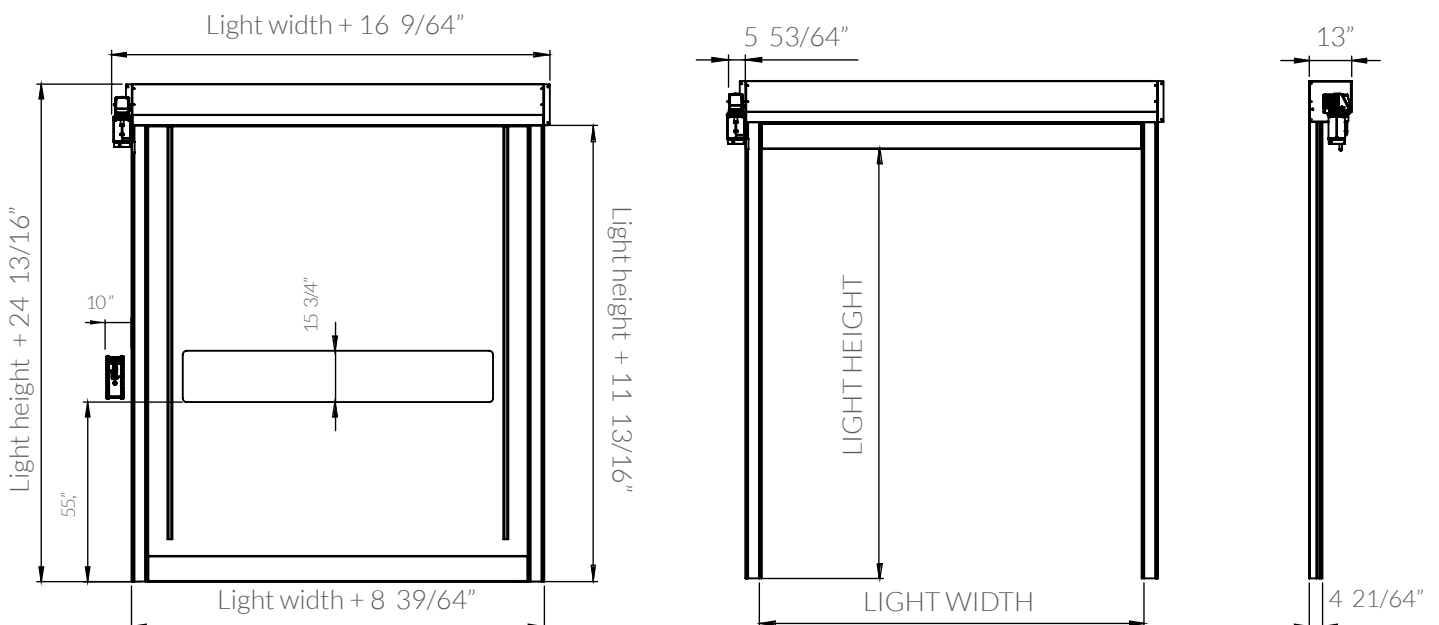
Energy cost reduction. Economic savings.



Temperature

Minimum temperature loss when opening the door..

Plans





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