RapidCoil™ RC200

RapidCoil RC200 High Performance Door

Raynor's RapidCoil RC200 is designed for small to medium interior technology applications up to 12' wide and 12' high. The RC200 door is designed for interior environments, providing a high-tech, safe, and aesthetically pleasing door for even the most demanding customers. The RC200 combines our proven control and drive system, with our specially modified bead sealing technology, for ultra-smooth, ultra-quiet operation. Incorporating Raynor's control panel, with a variable frequency drive, provides maximum performance, flexibility and self-diagnostic capabilities.

Ultra Tight Bead Seal:
Specially modified bead sealing technology prevents air migration better than virtually any other door on the market. Sealing technology also completely seals the opening, providing a perfect barrier against drafts, humidity, noise, dust, and insects. This door is ideal for use in dry and clean room environments.

Self Repairing:
Specialized two way breakaway design, with inner side guides, flexes to allow separation when impacted. The re-insertion point, located at the header, allows you to re-insert the curtain into the guides by the simple push of the button. No manual intervention or tools are required. This technology results in fewer service calls and minimal energy loss.

Cycle Life:
RapidCoil doors are designed to perform thousands of cycles per day without wearing parts such as stiffeners, cables and straps or motor brakes, repair cost and operational costs are reduced.

RAYNOR
800-472-9667 • raynor.com

Specifications

Door Size:
Raynor RC200 has a maximum door size of 12'x12'. Minimum size of 3'x7'.

Motor:
Standard 1 HP at 115V, 208V, 230V, 460V or 575V. Motor is variable frequency driven, NEMA 4, 2 poles without brake.

Gearbox:
Size 50 for a motor of 1 HP and gear reduction ratio 1/28.

Detectors:
An infrared photocell installed inside the side guide and detects the presence of a pedestrian or a vehicle. Upon activation, it opens the door immediately and keeps it open as long as the presence is detected. Height of photocell: 6" from the floor.

A bottom edge detector reverses the door when it hits an obstacle during the closing cycle. This detector is positioned at the bottom part of the curtain.

The bottom edge is referred to as a WDD or Wireless Detector. A wireless detection system consisting of a transmitter in the bottom bag of the door and a receiver in the control box. The system operates according to the "open loop" principle: when the sensor encounters an obstacle, the transmitter leaves the standby mode and send a signal to the receiver that immediately opens the door.

Power Supply:
Standard single phase 115V, 208V, 230V; three phase 208V, 230V, 460V, 575V. Frequency: 60 Hz. Circuit breakers to be provided by the customer: 10-20A for 1HP.

Optional Egress Systems:
Choose our, fully code compliant, Emergency Egress System or battery backup for added security.

Absolute Encoder:
The absolute encoder replaces the old fashioned, less accurate, mechanical limit switches, for maximum door efficiency and productivity.

Logix Controller:
The logix controller is self-diagnostic, user friendly, and incorporates a multi-character LCD screen for easy set-up and adjustment.

Features and Benefits

Standard Operating Speed:
Opening speed up to 48"/sec, closing speed 24"/sec.

Door Operation:
Gravity driven with flexible soft bottom bag.

Side Guides:
Made of structural channels of 2-1/16" x 1-1/2"x1/8" in galvanized steel (optional powdercoat or stainless steel).

Inner Side Guide:
Polyethylene (PE-UHMW 1000); outer section 9/16" x 9/16".

Side Guide Covers:
Galvanized steel is standard or optional powdercoat or stainless steel covers are available.

Drum:
Steel, diameter 4" x 0.078", shafts in steel.

Door Curtain:
Reinforced PVC (27 oz/sq.yd) and continuous sealing, bead, with flexible weighted soft bottom bag design. Available in different colors.

Vision:
15" vision banner standard. 24" x 24" individual windows and bug screens are optional.

Exclusively Distributed by: