



RapidCoil™ RC300HD

RapidCoil RC300HD High Speed Door

Designed for exterior applications with extreme pressure requirements, the RC300HD protects your environments against wind, rain, snow, dirt and harsh temperatures. The RC300HD opens and closes quickly, improving traffic flow, while providing energy savings, employee comfort and environmental control. The doors are self re-inserting if accidentally dislodged from the side guides, yet are perfectly safe due to our soft bottom edge.



High Speed Operation:

Variable speed operation of 48" per second. Up to 96" per second opening speed is an optional benefit. The gear driven push pull system drives the curtain in both directions.



Safety Engineered:

Soft Curtain is free of stiffeners, as well as rigid wind bars or bottom bars, and runs in side guides to prevent harm to users. The curtain is also free of straps that may cause additional injury. The Soft Curtain design is flexible and gently molds to any object or persons it comes in contact with, preventing injury.



Self Re-Inserting:

Automatic re-insertion reduces maintenance and downtime. In the event of an impact, the door is designed to dislodge from the side guides and automatically return to the open position with no need for manual intervention.

Specifications

Door Size:

Raynor RC300HD has a maximum door size of 18'x18'. Minimum size of 3'x7'

Door Operation:

Raynor's gear driven "Push-Pull" system positively drives the curtain through heavy wind loads while eliminating tension systems, wind stiffeners and bottom bars. Eliminating damage prone rigid components allows the use of a soft curtain design.

High Wind Resistance:

The unique and patented friction free side guide system is reinforced to provide operation of the door in wind pressure of up to 115 mph. depending on door size.

Guide and Seal Technology:

The patented side guides are formed of 1/8" thick galvanized steel with a spring loaded UHMW inner guide, which allows for movement and deflection under pressure. The inner guide profile perfectly matches the curtain "teeth" to form a near perfect perimeter seal. Wear and damage prone blade systems are eliminated.

Drive Unit:

Raynor's NEMA 4 drive unit utilizes soft start/stop technology, an absolute encoder and dynamic braking. Maintenance prone limit switches and brakes are eliminated.

Control System:

The state of the art control system is user friendly and provides self diagnostic and programming functions. The NEMA 4x rated enclosure includes an open button and emergency stop.

Door Curtain:

27 oz. reinforced PVC vinyl with your choice of 9 colors; blue, red, orange, yellow, white, gray, green, black and brown. Optional luminous daylight fabric material is available in white only.



Features and Benefits

Operates Under Extreme Pressure:

All weather doors are designed to withstand extreme wind and pressure up to 115 mph, depending on size. No wind bars required.

Push Pull Technology:

Curtain drive system eliminates the need for weighted bottom bars or tension systems.

Side Guides and Seal:

Patented side frame assembly provides virtually perfect seal while eliminating blade and brush systems.

Advanced Drive Unit:

NEMA 4 motor incorporates absolute encoder and dynamic braking eliminating wear prone components.

Control System:

A state of the art self diagnostic controller is user friendly and easy to program.

Vision:

Optional 15" vision banner or 24" x 24" individual windows and bug screens are available.

Warranty:

Raynor backs its doors with the best warranty in the industry. 5 years unlimited cycles on the drive motor and 5 years on fabric workmanship. One year on balance of components.



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