



High Velocity Magnetic
Gate Operators

Model VM1420

VM1420 - (440-480 VAC, 3-Phase)

Optimal performance for gate openings from 24' - 45'+ and 1,200 lbs. - 3,500+ lbs.

Model VM1420 HD with HD Stop Kit recommended for openings 25'+

- Linear Induction Motor (LIM) gate operator (Variable 5.5 / 10.0 HP)
- Programmable operating speeds from 1 to 8 FPS (Independent programming for OPEN & CLOSE)
- Operators include Reaction Fins and mounting hardware for clear openings up to 20 ft.
- Additional sections of Reaction Fin added for openings exceeding 20 ft.
- Optional equipment and finishes
- 5-Year limited warranty (Parts & Workmanship)
- UL-325 listed for Class III & IV applications
- May be used for gate openings exceeding base specifications (call for sales consultation)

Step-up transformers may be necessary depending on available power and the desired level of performance. Installation of external entrapment protection devices required to meet UL-325 and industry safety guidelines.

Linear Induction Motors

Type: Linear Induction with internal thermal protection

Winding Insulation: Class H 1800C (3550F)

Class F 1550C (3100F)

Protection class: IP60

Required Electrical Supply

VM1420 * 440-480 VAC, 1 - 3 Ph, 50-60 Hz, 20-30 A Ckt. (30A Ckt. preferred)

** Model selection is based on gate mass, size of opening and desired level of performance.*

Shipping Specifications – (Complete Operator Package): VM12XX, VM14XX*

Complete operator package for standard 20' opening includes LIM assembly, control cabinet and (3) full RF1 reaction fins, (1) RF1RHK right hand end kit, (1) RF1LHK left hand end kit, (6) HB1 hangar brackets and all necessary mounting hardware.

Operator Pallet: (L x W x H) 42" x 42" x 19", Wt.: 425 lbs.

Reaction Fin Pallet: (L x W x H) 86" x 10.5" x 17", Wt.: 200 lbs.

* Add 20 lbs. to Operator Pallet for VM14XX models.

