

MOTOR OPERATOR—MODEL MF**

08330/ATL
Buyline 0371

SPECIFICATIONS

PART 1 GENERAL

1.01 Section Includes

A. Type: The motor operator will be Atlas Door™ Model MF as manufactured by Clopay Building Products Company, Inc.

B. Mounting: To be vertical front of hood.

1.02 Related Work

A. Electrical wires, wiring, disconnect switches, and conduit are in the scope of work of other sections or trades.

B. Submit manufacturer's product data and installation instructions for each type of coiling door. Include both published data and any specific data prepared for this project.

1.03 Single-Source Responsibility

A. Provide doors, guides, motors, and accessories from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

PART 2 PRODUCT

2.01 Operator

A. Motor: Provide high torque, continuous duty motor of horsepower determined by size and weight of fire door (see chart). Motor shall be separate from reduction mechanism for ease of maintenance. (Specify voltage & phase available.)

B. Reduction: To be heavy-duty worm gear running in oil with additional reduction by chain and sprockets.

C. Drive: Product shaft to be driven by roller chain to provide curtain travel of 6" (152.4 mm) to 12" (304.8 mm) per second.

D. Brake: To be solenoid activated disc type.

E. Electrical Enclosure: All electrical components shall be in a NEMA 1 enclosure and pre-wired to terminal block.

F. Reversing Contactor: Heavy-duty across the line reversing type with mechanical interlock. Size "00."

G. Limit Switches: To be positive chain drive screw type limit switch, enclosed in electrical control box, easily accessible for precision setting. Limit switches will remain in time when emergency chain hoist is used to operate manually.

H. Automatic Closing: To be triggered by fusible link, will mechanically disconnect motor from driven shaft. Door will close as per UL (ULC) requirements. Operator will not reopen door. Authorized representative must reset fire door for proper operation and UL/ULC Label integrity.

I. Control Circuit: Shall be reduced to 24 volts for safety.

J. Overload Protection: To be thermal type with automatic reset.

K. Emergency Operation: To be by a floor operated chain hoist which must be engaged for manual mechanical operation. An electrical interlock disconnects power to the motor operator when chain hoist is engaged.

L. Control Station: To be one NEMA 1 three-button-station with open, close and stop functions. Momentary contact to open and stop, constant pressure to close.

M. Assembly: To be C.S.A. and UL listed.

PART 3 EXECUTION

3.01 Examination

A. Verify that dimensions are correct and project conditions are suitable for installation. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 Installation

A. Installation: To be by an authorized Atlas Door representative and in accordance with Atlas Door standards and instructions.

B. Submit manufacturer's product data and installation instructions for each type of coiling door. Include both published data and any specific data prepared for this project.

Note To Specifiers... Please see end of this section for frequently specified Optional Features.

AMPERAGE & HORSEPOWER DATA

Max. Sq. Ft./Meter Area
Motor Model

Motor Model	Fire Doors	HP	Voltage	Phase	AMP
MF-50	330' 30.65 m ²	1/2	115	1	8.2
			230	1	4.1
			208-230	3	2.1
			480	3	1.05
MF-75	480' 41.81 m ²	1/2	115	1	.77
			230	1	13.0
			208-230	3	6.5
			480	3	3.6
MF-100	525' 48.77 m ²	1	115	1	1.8
			230	1	1.03
			208-230	3	15.4
			480	3	7.7
MF-150	650' 60.37 m ²	1 1/2	115	1	6.0
			230	1	3.0
			208-230	3	3.0
			480	3	1.4
MF-200	800' 74.32 m ²	2	115	1	29.0
			230	1	10.0
			208-230	3	6.8
			480	3	3.4
			575	3	1.8
			230	3	1.8
			480	3	6.8
			3	3.4	

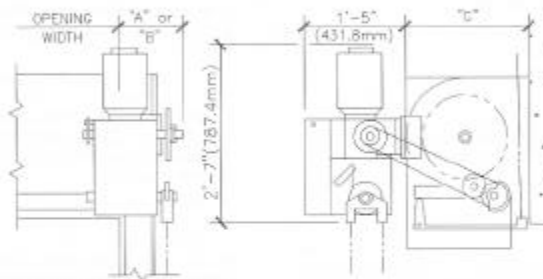
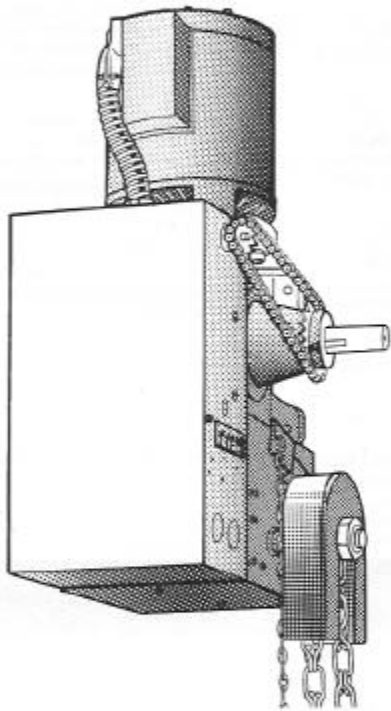
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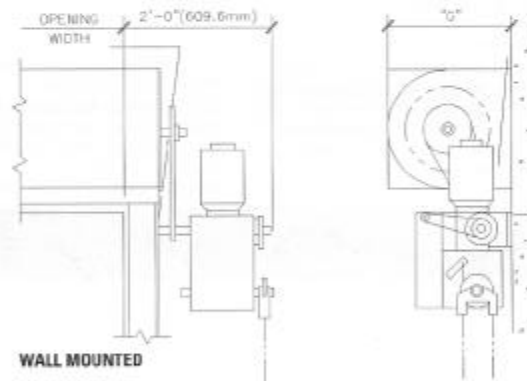
- 1/2 H.P. Thru 2 H.P.
- Emergency Hand Chain

Used on:
Fire Doors - "F" Series

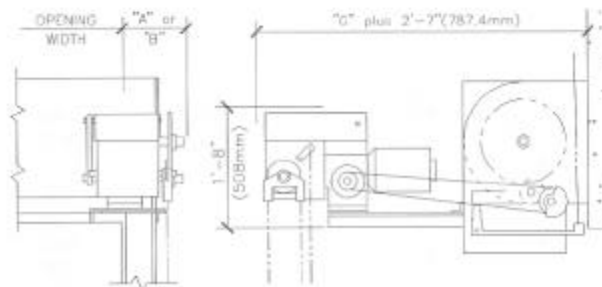
***Suffix indicates Horsepower required - see chart on back



VERTICAL FRONT OF HOOD



WALL MOUNTED



HORIZONTAL FRONT OF HOOD

atlas door