Model GCL - MT / MJ / MH

Medium-Duty Specifications

GENIE
COMMERCIAL LINE

PART 1 – GENERAL

1.01 WORK INCLUDED

A. Provide electric door operator(s) of size and capacity recommended for door(s) as provided by door manufacturer with electric motor and factory pre-wired motor controls, starter, reduction unit, band brake, clutch, control devices, and accessories required for proper operation.

1.02 RELATED WORK

A. Opening preparation, miscellaneous or structural metal work, access, field electrical wiring, wire conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.

1.03 QUALITY ASSURANCE

A. In accordance with accepted quality assurance guidelines for motor-operated doors, both the door and electric operator shall be manufactured by a single-source producer of door systems.

PART 2 - PRODUCT

2.01 GENERAL

A. The electric door operator shall be the Model GCL Medium-Duty door control system for a (standard lift) (lift-clearance), (full-vertical) sectional door and /or (rolling steel door) and /or (rolling steel grille) as manufactured by The Genie Company and suitable for the type and size of door specified.
B. The electric operator shall be single phase 120 VAC 60 Hz.
C. All components to have corrosion resistant coatings.
D. The operator shall be suited for NEMA ICS 6 Type 1.

2.02 MOTOR

A. Motor shall be AC ½ horsepower with quick reversing, intermittent duty cycle and automatic reset thermal protection. Motor shall be UL listed. Motor shall comply with NEMA 42, open drip proof construction.

2.03 REDUCTION

A. Primary reduction is TensiBelt® an auto-tensioning poly-V flex belt that does not require adjustment. Secondary reduction is by chain and sprocket.

2.04 DUTY CYCLE

A. Duty cycle shall accommodate medium-duty usage, up to 15 cycles per hour, not to exceed 50 cycles per day.

2.05 BRAKE

A. Brake shall be a 24 VDC disc brake.

2.06 CLUTCH

A. Clutch shall be adjustable friction disc type standard on all versions.

2.07 LIMIT SYSTEM

A. Limit system shall be electronic EZ Limit® push-to-set limits that hold limits through power loss.

2.08 CONTROL SYSTEM

A. The control system shall be microprocessor based with relay motor controls on a single board. This system will incorporate a 16-character Liquid Crystal Display (LCD) to display the system status. This system shall be capable of monitoring and reporting on a variety of operating conditions, including: current operating status, current command status, motor movement status, current error status (if applicable), hoist Interlock status (if applicable), external Interlock status, and 24 VDC status.
B. The control system shall feature a delay-on-reverse operating protocol.
C. The system shall include maximum run timers in both directions of travel that limit motor run time in the event a clutch slips or some other problem occurs.
D. It shall include provisions for the connection of a 2-wire monitored photocell system or a 2-wire monitored edge sensor, as well as non-monitored 2-wire sensing edges, photocells or other entrapment protection devices.
E. Control action will be constant contact close until a monitored entrapment device is installed, allowing for selection of momentary contact.
F. The system shall include provisions for connection of single and/or 3-button control stations.
G. The system shall include provisions for connection of an external 3-wire radio control and related control devices.
H. The control system shall include on board open, close and stop control keys for local operation.
I. Trolley operators shall include an inherent secondary reversal system.

2.09 MOUNTING

A. Side mounting for sectional doors shall be by chain/sprocket on (Jackshaft) (Hoist) models.
B. Trolley mounting for sectional doors via drawbar coupling.
C. Mounting for Rolling Steel doors shall be (front of hood) (wall-mount) and chain/sprocket coupling to door.
D. Mounting for hoist models shall be (left-hand) (right-hand) mounting.

2.10 RELEASE

A. (Release shall be a pull and hold type mechanism with single cable operation and an integrated interlock switch on hoist units.) (Release shall consist of a manual disconnect door arm on trolley units).

2.11 HOIST

A. Chain hoist shall consist of chain pocket wheel, chain guard and smooth hand chain on hoist units. Standard on hoist models.

2.12 SECONDARY REVERSAL

A Trolley version only shall include an integral electronic reversing system that will stop and reverse a closing door upon detection of an obstruction and designed to accept an optional external reversing device.
B. (Jackshaft)(Hoist) models shall be designed to accept an optional external reversing device.
NOT FOR RESIDENTIAL USE.

2.13 OPTIONAL CONTROL ACCESSORIES

A. Control accessories: In (lieu of) (addition to) (interior push-button control station) (exterior push-button control station) (interior key switches) (exterior key switches) (radio control) (Genie monitored photo electric eyes) (commercial photo electric eyes) (floor loops) (motion sensors).
B. Operator Accessories shall be timer to close and will provide auxiliary control inputs, auxiliary safety inputs, auxiliary timer hold input, and an automatic door closing feature with a user selectable time delay. Safety inputs are to be enabled or disabled using the on board keypad.
C. Operator Accessories shall be Auxiliary Output Module and will provide several auxiliary sets of dry contacts that are microprocessor controlled. Provides contacts for (up) (down) (mid-stop) limit. Provides contacts to be configured using the on board keypad to activate (lights)(horn)(strobes) while door is running (up)(down)(both up and down).
D. Operator Accessories shall be Intellicode® radio receiver that is 315 MHz and capable of storing 50 single-button and/or 50 open-close-stop transmitters with the ability to add and/or delete transmitters individually, identify and store activating transmitter ID(s).

PART 3 - EXECUTION

3.01 The Model GCL Medium-Duty shall be installed in accordance with The Genie Company instructions and standards. Installation will be by trained and authorized Genie Company distributors or dealers.

Note to specifier:
This specification is a suggested guide. Available options are shown in parentheses.

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Medium-Duty Specifications

COMMERCIAL LINE

SALES INFORMATION

Job Name: _____

Architect: _____

Contractor: _____

APPLICATION INFORMATION

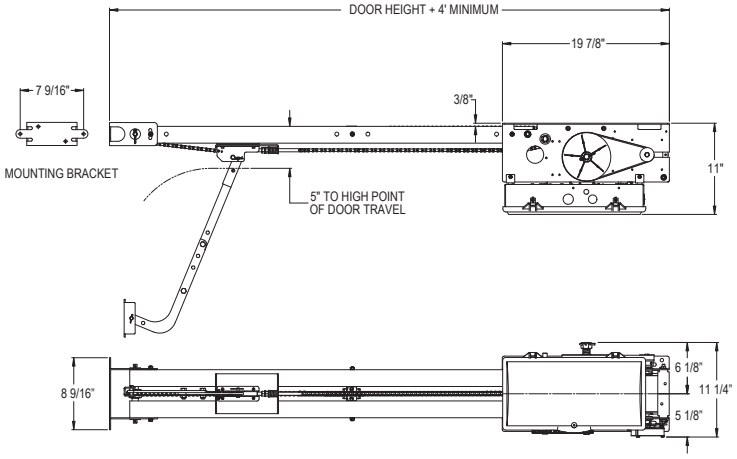
Door Type: _____ Door Size - Width: _____ Height: _____ Drive Side: _____

Medium-Duty Model: _____ HP: _____ Voltage: _____ Phase: _____ Hertz: _____

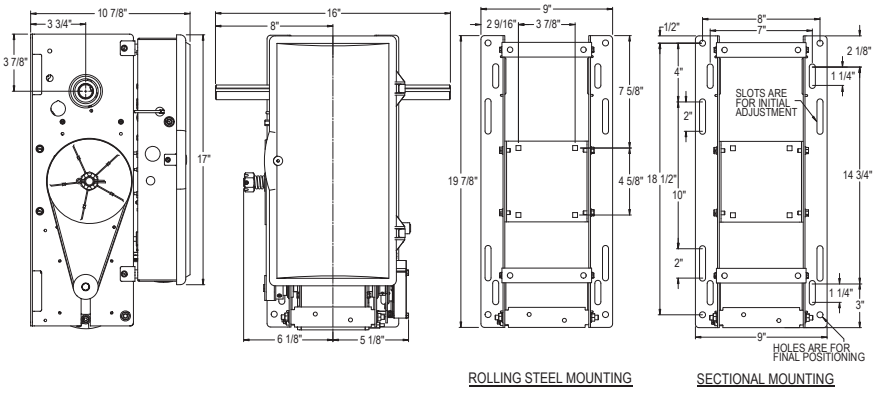
Monitored Entrapment Device: _____

DIMENSIONS

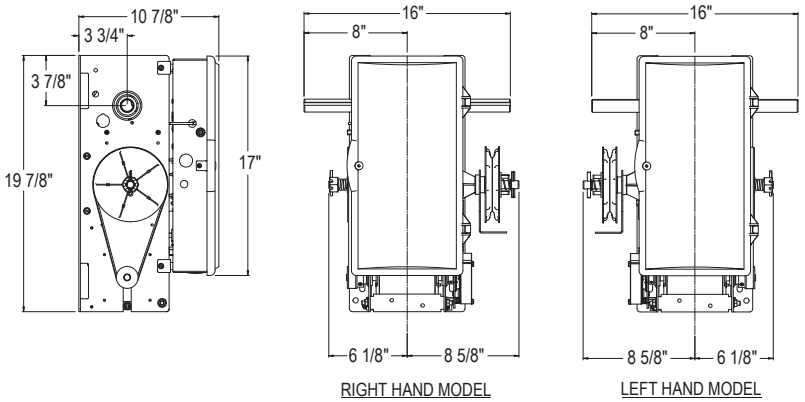
GCL-MT



GCL-MJ



GCL-MH



AMPERAGE RATING 1PH 60Hz	
HP	**120 V**
1/2	6.5

Dealer Imprint Area