

J (LOGIC 5.0) JACKSHAFT OPERATOR



DATA SHEET

Section 08 71 13

Key Features

STANDARD APPLICATION
RATED DUTY CYCLE

Recommended for lighter rolling steel doors/grilles and high or vertical-lift sectional
Standard-duty: Up to 25 cycles/hour and up to 90 cycles/day
(using continuous-rated motor)

OPERATOR SPEED

8-9 Inches per second

LIMIT SETTINGS

Mechanical

EMERGENCY DISCONNECT FOR MANUAL OPERATION

Floor-level emergency release sash chain

EMERGENCY DISCONNECT WITH AUTO-RECONNECT

Reconnects when tension is removed from emergency release sash chain

PROGRAMMING

Control function selector dial/tactile button

CIRCUIT BOARD

Solid-state Logic 5.0 circuit board

TIMER-TO-CLOSE

Programmable in 1 second and 15 second increments up to 68 minutes, standard

CLUTCH

Standard adjustable friction clutch

MID-STOP

Programmable

RUN TIME PROTECTION

Maximum run timer

MOTOR REVERSE ACTION PROTECTION

Delay-on-reverse circuit

MOTOR OPERATOR WALL CONTROL

3-Button Control Station with Maintenance Alert System (MAS)

Specifications

RADIO RECEIVER

LiftMaster Security+2.0 and backwards compatible to Security+ 315 or 390 MHz
residential garage openers

VOLTAGE CONNECTIONS

Single-phase: 115V/230V dual voltage; 3-phase: 208V/230V/460V dual voltage;

3-phase: 575V single voltage

CONTROL CIRCUIT

5VDC NEC class 2

DRIVE REDUCTION

Belt/chain & pulley; first-stage heavy-duty 5L V-belt; second-third-fourth stages
#48 chain; #50 output sprocket chain

BEARINGS/BUSHINGS

Industrial ball bearings on a 1" output shaft; heavy-duty oil-filled bushings on
reduction shafts

BRAKE

Standard on 3/4 and 1 HP operators; optional on 1/2 HP; not available on 1/3 HP

CONSTRUCTION

NEMA 1 type electrical box; heavy-duty 11-gauge steel frame with durable powder
coat finish; all reduction sprockets drilled and pinned to shafts

WARRANTY

2 years

Installation Features

UNIVERSAL MOUNTING

Yes

MAXIMUM DOOR WIDTH

22 feet standard with additional capability*

MAXIMUM DOOR HEIGHT

26 feet standard with additional capability*

MAXIMUM ALLOWABLE SQUARE FOOTAGE

640 square feet

INTERNET CONNECTIVITY

myQ® Technology enables remote monitoring and control of the commercial door
via a smart phone, tablet, or computer**

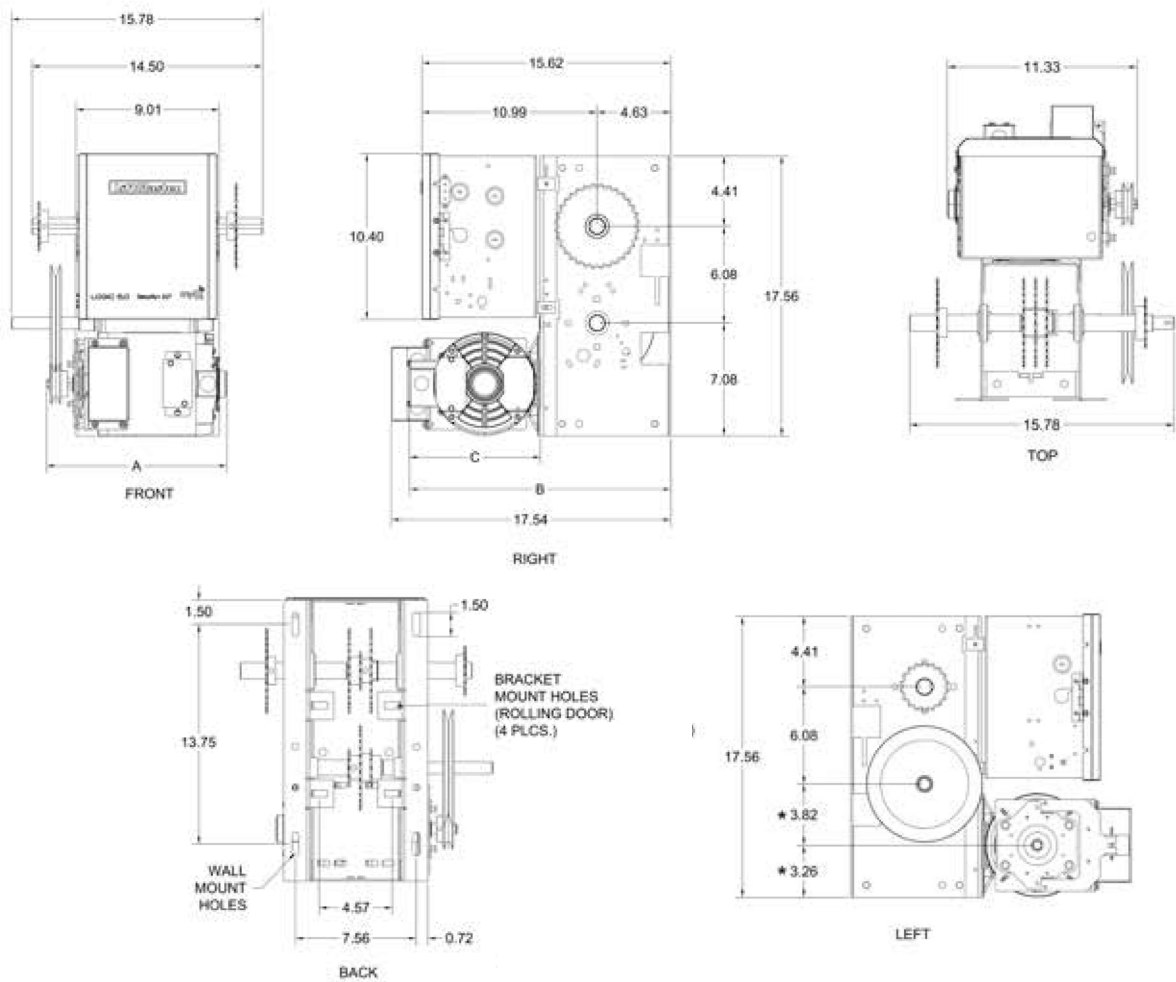
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Dimensions



Capacity

MAXIMUM DOOR AREA (SQ. FT.)						
ROLLING	24 ga. Steel	22 ga. Steel	—	20 ga. 18 ga. Steel	16 ga. Steel	—
	Aluminum Grilles	Aluminum Doors	—	Steel Grilles	—	—
SECTIONAL	—	24 ga. 22 ga. Steel	20 ga. Steel	—	16 ga. Steel	—
	Fiberglass	Aluminum Doors	Wood Doors	—	—	—
	—	—	24 ga. Steel Insulated	—	20 ga. Steel Insulated	16 ga. Steel Insulated
HP	1/3	310	285	260	210	175
	1/2	400	350	320	280	250
	3/4	560	500	450	380	325
	1	640	625	560	475	400

OPERATOR DIMENSION TABLE				
HP	PHASE	DIMENSIONS		
		A	B	C
1/2	1	10-3/4"	16-13/32"	8-7/32"
3/4	1	11-9/32"	16-11/32"	8-5/32"
1	1	11-29/32"	17-1/16"	8-7/8"
1/2	3	11-5/16"	16-7/16"	8-3/16"
3/4	3	11-5/16"	16-13/32"	8-3/16"
1	3	11-5/16"	16-13/32"	8-3/16"

On steel insulated doors, a 24-gauge back panel is assumed.

If a heavier back panel is supplied, use the next higher HP rating.

Recommended max duty cycles: 25 per hour, up to 90 per day.