

# 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  
LIMIT SETTINGS**

8-9 Inches per second  
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**

Security+ 2.0<sup>®</sup> technology standard on-board with tri-band frequency; accepts up to  
(90) single-button or (30) 3-button remote controls plus up to (30) wireless keypads  
or an unlimited number of DIP switch remotes

**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<sup>®</sup> Technology enables remote monitoring and control of the commercial door  
via a smart phone, tablet, or computer\*\*

\* Contact us at Specs@LiftMaster.com for additional capabilities.

\*\*LiftMaster Internet Gateway and myQ app required.

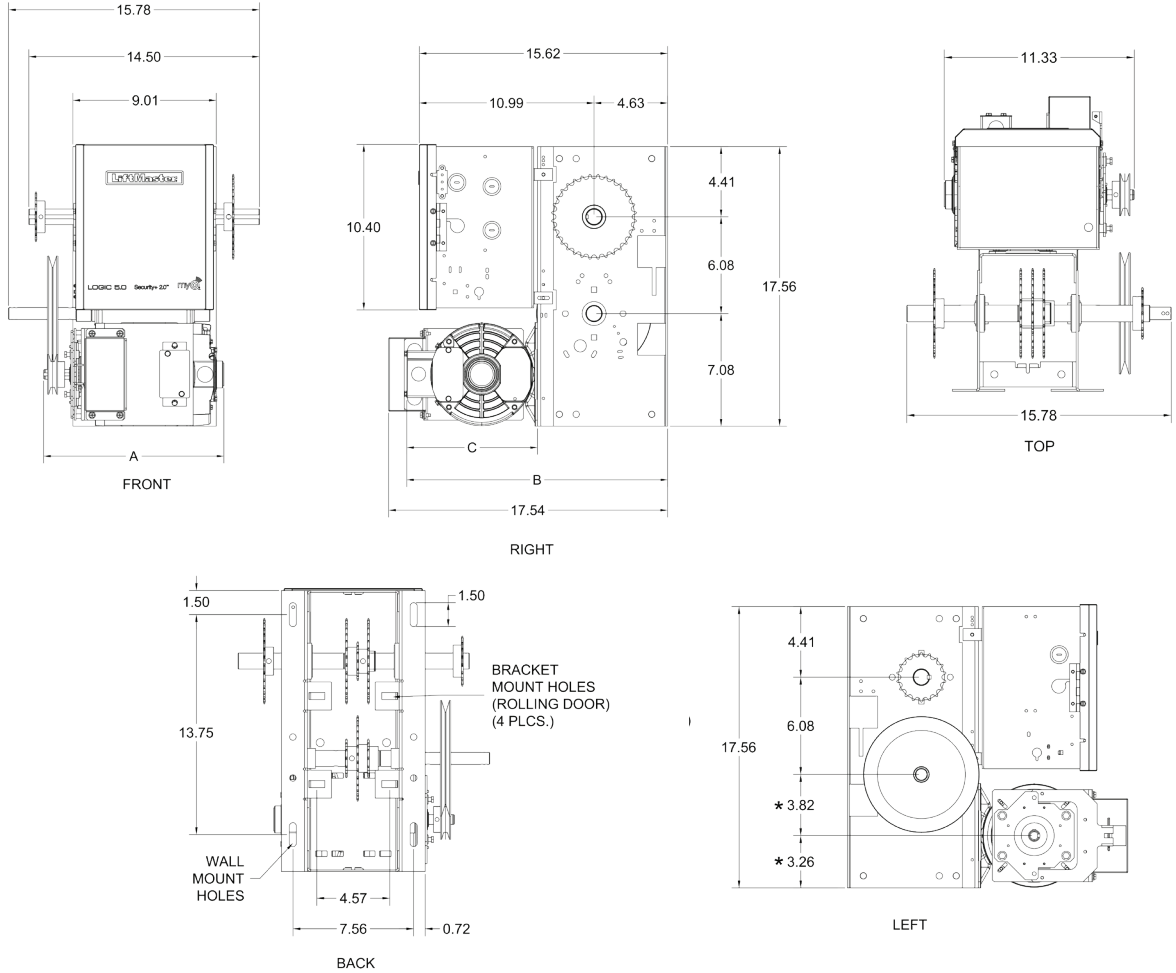
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## Dimensions



## 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	125
	1/2	400	350	320	280	250	200
	3/4	560	500	450	380	325	250
	1	640	625	560	475	400	310

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.