T (LOGIC 5.0) TROLLEY OPERATOR

SECTION 08 71 13

KEY FEATURES

STANDARD APPLICATION	Recommended for standard-lift sectional overhead doors in standard duty-cycle commercial applications
RATED DUTY CYCLE	Standard-duty: Up to 25 cycles/hour and up to 90 cycles/day (using continuous-rated motor)
OPERATOR SPEED	11-12 Inches per second
LIMIT SETTINGS	Mechanical
EMERGENCY DISCONNECT FOR MANUAL OPERATION	Emergency release rope and handle
EMERGENCY DISCONNECT WITH AUTO-RECONNECT	Reconnects when tension is removed from emergency release rope
PROGRAMMING	Control function selector dial/tactile buttons
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)
TROLLEY TRACK	Dual L-rail trolley track
PUSH BUTTON STATION	3-Push button station (Open/Close/Stop)

SPECIFICATIONS

RADIO RECEIVER	Security+ 2.0® 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 #41 chain; #48 (for 1/3 and 1/2 HP) and #41 (for 3/4 and 1 HP) output chain on trolley
BEARINGS/BUSHINGS	Industrial ball bearings on 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
TROLLEY ROLLER CHAIN	#48 on 1/3 and 1/2 HP; #41 on 3/4 and 1 HP
WARRANTY	2 years

INSTALLATION FEATURES

MAXIMUM DOOR HEIGHT	24 feet standard with additional capability*
MAXIMUM DOOR WIDTH	22 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 smartphone, tablet, or computer**

This commercial door operator must feature constant pressure to close or be equipped with an external monitored entrapment protection device. Use only LiftMaster monitored entrapment protection devices itemized on the accessory page of the operators installation manual to meet UL 325 requirements.

* Contact us at Specs@LiftMaster.com for additional capabilities.
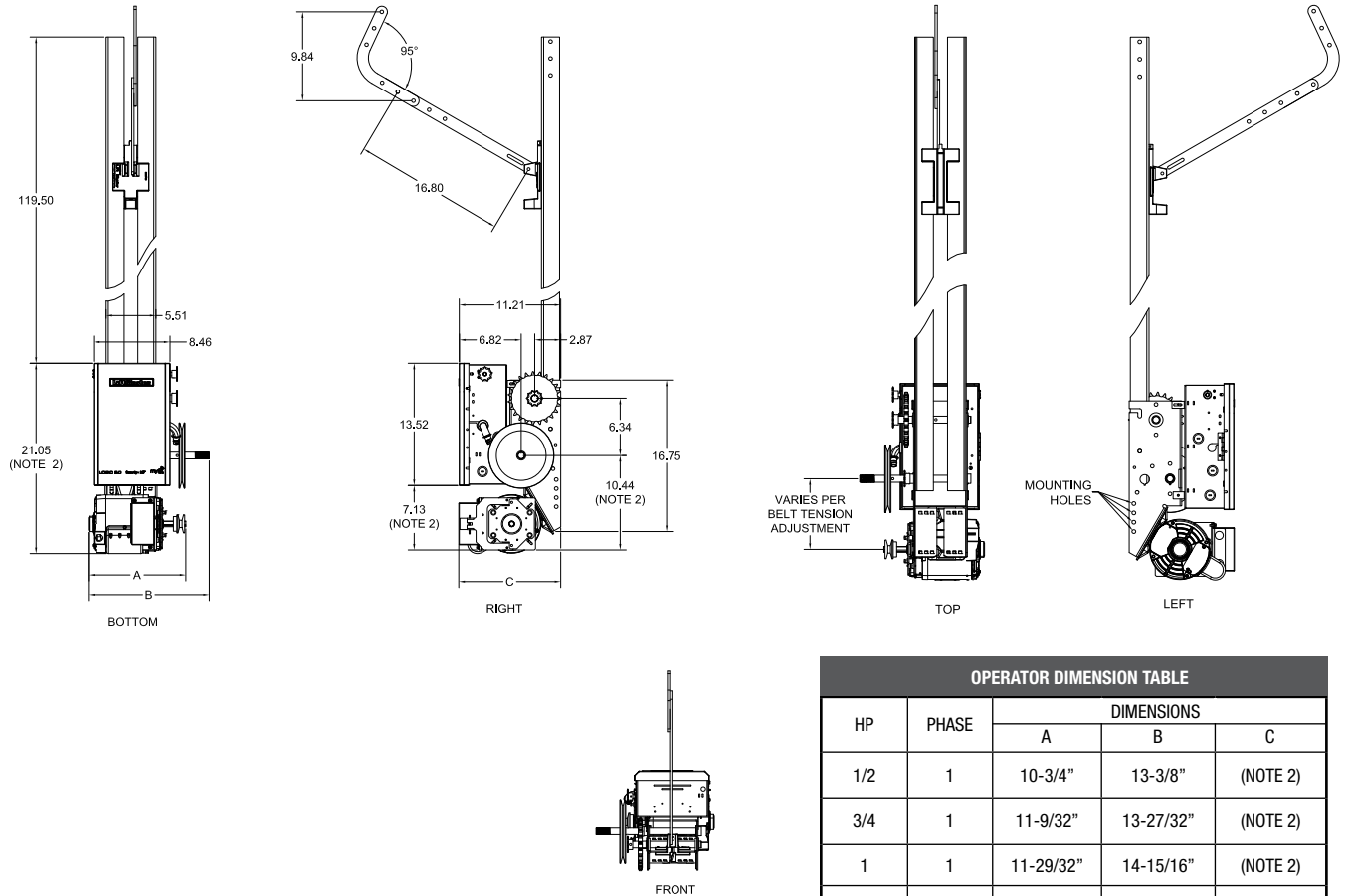**LiftMaster Internet Gateway and myQ app required.

LiftMaster®

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DIMENSIONS

119.50

5.51
8.46

21.05
(NOTE 2)

A
B

BOTTOM

9.84　95°

16.80

11.21
6.82　2.87

13.52

6.34

16.75

10.44
(NOTE 2)

7.13
(NOTE 2)

C

RIGHT

VARIES PER
BELT TENSION
ADJUSTMENT

TOP

MOUNTING
HOLES

LEFT

FRONT

OPERATOR DIMENSION TABLE				
HP	PHASE	DIMENSIONS		
		A	B	C
1/2	1	10-3/4"	13-3/8"	(NOTE 2)
3/4	1	11-9/32"	13-27/32"	(NOTE 2)
1	1	11-29/32"	14-15/16"	(NOTE 2)
1/2	3	11-5/16"	13-15/16"	(NOTE 2)
3/4	3	11-5/16"	13-15/16"	(NOTE 2)
1	3	11-5/16"	13-15/16"	(NOTE 2)

Notes:
1. Dimensions A,B & C may vary per motor manufacturer specification revisons and special modifications to the operator.
2. Dimension will vary per belt tension adjustment approx. "C" dimension is 12/14"

CAPACITY

MAXIMUM DOOR AREA (SQ. FT.)						
STANDARD 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	175	125
	1/2	400	350	320	250	200
	3/4	560	500	450	325	275
	1	640	625	560	400	310

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.

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