# **GH (LOGIC 5.0) GEARHEAD HOIST OPERATOR**

## **SECTION 08 71 13**

### **KEY FEATURES** STANDARD APPLICATION

**RATED DUTY CYCLE** 

**OPERATOR SPEED** 

LIMIT SETTINGS

PROGRAMMING

**CIRCUIT BOARD** 

**CLUTCH** 

**MID-STOP** 

**TIMER-TO-CLOSE** 



overhead doors in heavy-duty, high-cycle commercial applications Heavy-duty: Up to 25 cycles/hour and up to 125 cycles/day when distributed over a minimum of 8 hours (using continuous-rated motor) 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 Control function selector dial/tactile buttons Solid-state Logic 5.0 circuit board Programmable in 1 second and 15 second increments up to 68 minutes, standard Optional adjustable friction clutch 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) PUSH BUTTON STATION 3-Push button station (Open/Close/Stop)

Recommended for rolling steel doors and heavy, high or standard-lift sectional

### **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	45:1 first-stage heavy-duty gears running in oil bath; cast iron housing; #50 output sprocket chain
BEARINGS/BUSHINGS	Sealed roller bearings in gear reducer
BRAKE	Standard
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	Up to 2 HP
MAXIMUM DOOR HEIGHT	34 feet standard with additional capability*
MAXIMUM DOOR WIDTH	32 feet standard with additional capability*
MAXIMUM ALLOWABLE SQUARE FOOTAGE	1088 square feet
INTERNET CONNECTIVITY	myQ <sup>®</sup> 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.

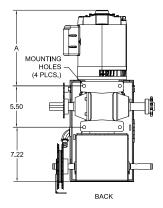
DATA SHEET GEARHEAD HOIST OPERATOR

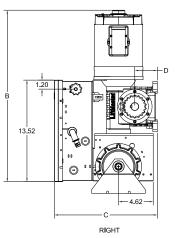
# LiftMaster

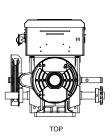
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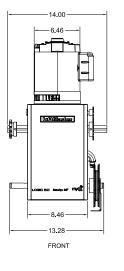
## SECTION 08 71 13

#### DIMENSIONS

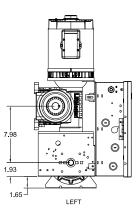








CAPACITY



OPERATOR DIMENSION TABLE								
HP	PHASE	DIMENSIONS						
		A	В	С	D			
1/2	1	10-1/16"	22-13/16"	13-11/16"	3"			
3/4	1	10-9/16"	23-5/16"	13-11/16"	3"			
1	1	12-1/16"	24-13/16"	13-11/16"	3-1/2"			
1-1/2	1	12-1/16"	24-13/16"	14-13/16"	3"			
1/2	3	10-1/16"	22-13/16"	13-11/16"	3"			
3/4	3	10-9/16"	23-5/16"	13-11/16"	3"			
1	3	11-1/16"	23-13/16"	13-11/16"	3"			
1-1/2	3	12-1/16"	24-13/16"	14-13/16"	3-1/2"			
2	3	12-9/16"	25-5/16"	14-13/16"	3-1/2"			

Notes:

1. Dimensions A,B & C may vary per motor manufacturer specification revisons and special modifications to the operator.

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. Insulated	20 ga. Steel		16 ga. Steel		
		Fiberglass	Aluminum Doors	Wood Doors	-	—		
		_	_	24 ga. Steel Insulated	_	20 ga. Steel Insulated	16 ga. Steel Insulated	
	1/2	325	300	275	250	225	175	
	3/4	480	430	390	340	275	225	
	1	650	560	500	430	325	300	
ЧH	1-1/2	—		680	540	425	375	
	2	_		_	640	560	460	
	3	—		—	875	840	620	
5 Call factory for specification						s		

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, in excess of 90/day.

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