# GH (LOGIC 5.0) GEARHEAD HOIST OPERATOR

## SECTION 08 71 13

## KEY FEATURES

| | |
|---|---|
| **STANDARD APPLICATION** | Recommended for rolling steel doors and heavy, high or standard-lift sectional overhead doors in heavy-duty, high-cycle commercial applications |
| **RATED DUTY CYCLE** | 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) |
| **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 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** | Optional 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) |
| **PUSH BUTTON STATION** | 3-Push button station (Open/Close/Stop) |

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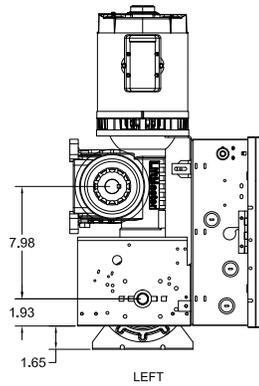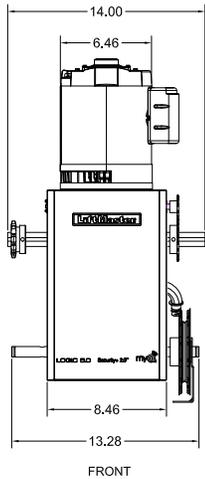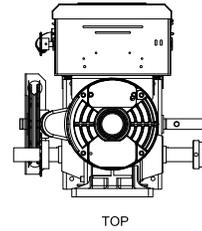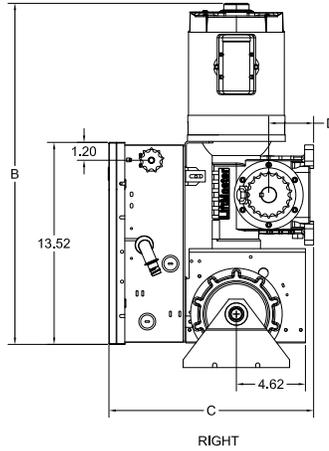\*\*LiftMaster Internet Gateway and myQ app required.

## DATA SHEET
### GEARHEAD HOIST OPERATOR

**LiftMaster®**

## DIMENSIONS



BACK

MOUNTING HOLES (4 PLCS.)

A
5.50
7.22

RIGHT

B
13.52
1.20
4.62
C
D

TOP

FRONT

14.00
6.46
8.46
13.28

LEFT

7.98
1.93
1.65
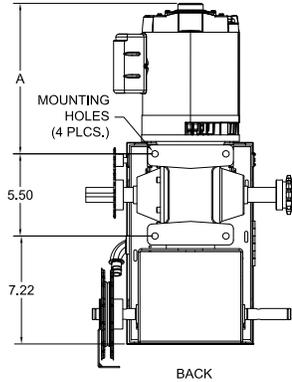
### OPERATOR DIMENSION TABLE

| HP | PHASE | DIMENSIONS | | | |
|----|-------|-----------|-----------|-----------|---------|
| | | A | B | C | 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.

## 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. Insulated | 20 ga. Steel | — | 16 ga. Steel | — |
| | Fiberglass | Aluminum Doors | Wood Doors | — | — | — |
| | — | — | 24 ga. Steel Insulated | — | 20 ga. Steel Insulated | 16 ga. Steel Insulated |

| HP | | | | | | |
|----|------|------|------|------|------|------|
| 1/2 | 325 | 300 | 275 | 250 | 225 | 175 |
| 3/4 | 480 | 430 | 390 | 340 | 275 | 225 |
| 1 | 650 | 560 | 500 | 430 | 325 | 300 |
| 1-1/2 | — | — | 680 | 540 | 425 | 375 |
| 2 | — | — | — | 640 | 560 | 460 |
| 3 | — | — | — | 875 | 840 | 620 |
| 5 | Call factory for specifications | | | | | |

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.

**LiftMaster**®