

# VFOH VARIABLE SPEED FRONT OF HOOD COMMERCIAL DOOR OPERATOR

## SECTION 08 71 13

### KEY FEATURES

#### STANDARD APPLICATION

Recommended for rolling steel commercial doors and grilles that require a front of hood mount and the capacity to control ramp-up and ramp-down speeds of the motor during start or stop, respectively

#### RATED DUTY CYCLE

Continuous-duty: Up to 200 a day

#### OPERATOR SPEED

Variable with three pre-configured frequency profiles that include optimized soft start/stop ramps; set via menu. Depending on weight and thickness, door travels 3-12" in the up direction and 3-7" in the down direction

#### DOOR IN MOTION RELAY

16 individual settings

#### TWO PROGRAMMABLE AUX INPUTS

Program emergency stop, 2 additional non-monitored entrapment protection devices, or door lock OPEN/CLOSE.

#### LIMIT SETTINGS

Electronic limits; floor level adjustable via controller menu up to 20 ft.

#### MANUAL HOIST

Single action manual hoist with integral manual operation protection circuit

#### PROGRAMMING

Via menu on LCD screen in floor mounted controller

#### OPERATING MODES

C2 (Factory Default), B2, T, TS

#### TIMER-TO-CLOSE

Programmable in 1 second increments up to 999 seconds (16.65 minutes); default 15 seconds

#### MID-STOP

Open mid-stop set with jumper wire

#### RUN TIME PROTECTION

Maximum run timer automatically set by system after 5 cycles

#### MOTOR REVERSE ACTION PROTECTION

VFD controlled deceleration on reverse

#### MOTOR OPERATOR WALL CONTROL

Floor mounted controller with LCD and open/close/stop user controls



### SPECIFICATIONS

#### RADIO RECEIVER

LiftMaster® Security+ 2.0®

#### CONNECTIVITY

myQ® 902-928 MHz FHSS (Frequency Hopping Spread Spectrum)

#### VOLTAGE CONNECTIONS

115V single phase; 230V single/3-phase; 460V/575V 3-phase (with step down transformer)

#### ACCESSORY POWER

500 mA available accessory power via +24VDC terminals

#### DRIVE REDUCTION

1/2 HP: 43:1 helical spur gearbox; output #50 chain

#### OUTPUT SHAFT SPEED

1/2 HP: 40RPM at default speed setting MEDIUM

#### BRAKE

Solenoid powered-off brake standard

#### CONSTRUCTION

Controller: NEMA 1 VFD controller with integrated open/close/stop controls, LCD display, floor level wiring; and floor level commissioning through intuitive user menu  
Powerhead: NEMA 1 electrical boxes for motor wiring and encoder

#### WARRANTY

2 years

### INSTALLATION FEATURES

#### UNIVERSAL MOUNTING

Left or right handing; inboard or outboard

#### MAXIMUM DOOR HEIGHT

20 feet standard\*

#### MAXIMUM DOOR WIDTH

20 feet standard\*

#### MAXIMUM WEIGHT

1860 lbs.\*

#### INTERNET CONNECTIVITY

myQ Technology enables remote monitoring and control of the commercial door via myQ Business Facility. Additional hardware required for connecting to the internet; 819LMB myQ Bridge or 828LM Internet Gateway

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 operator's installation manual to meet UL 325 requirements. \*Contact us at [Specs@LiftMaster.com](mailto:Specs@LiftMaster.com) for system selection charts by door type/weight.

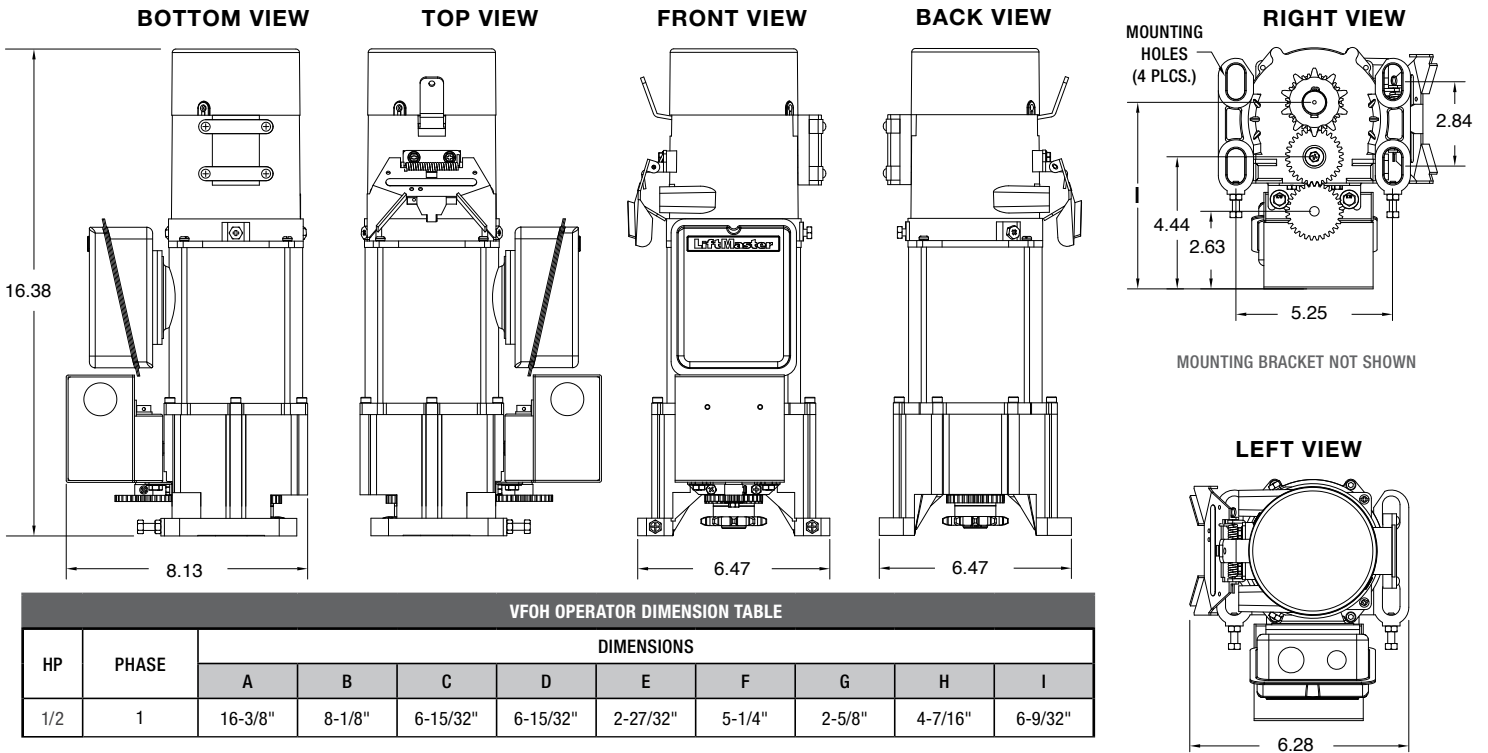
**DATA SHEET**  
VARIABLE SPEED FRONT OF HOOD  
COMMERCIAL DOOR OPERATOR

**LiftMaster®**

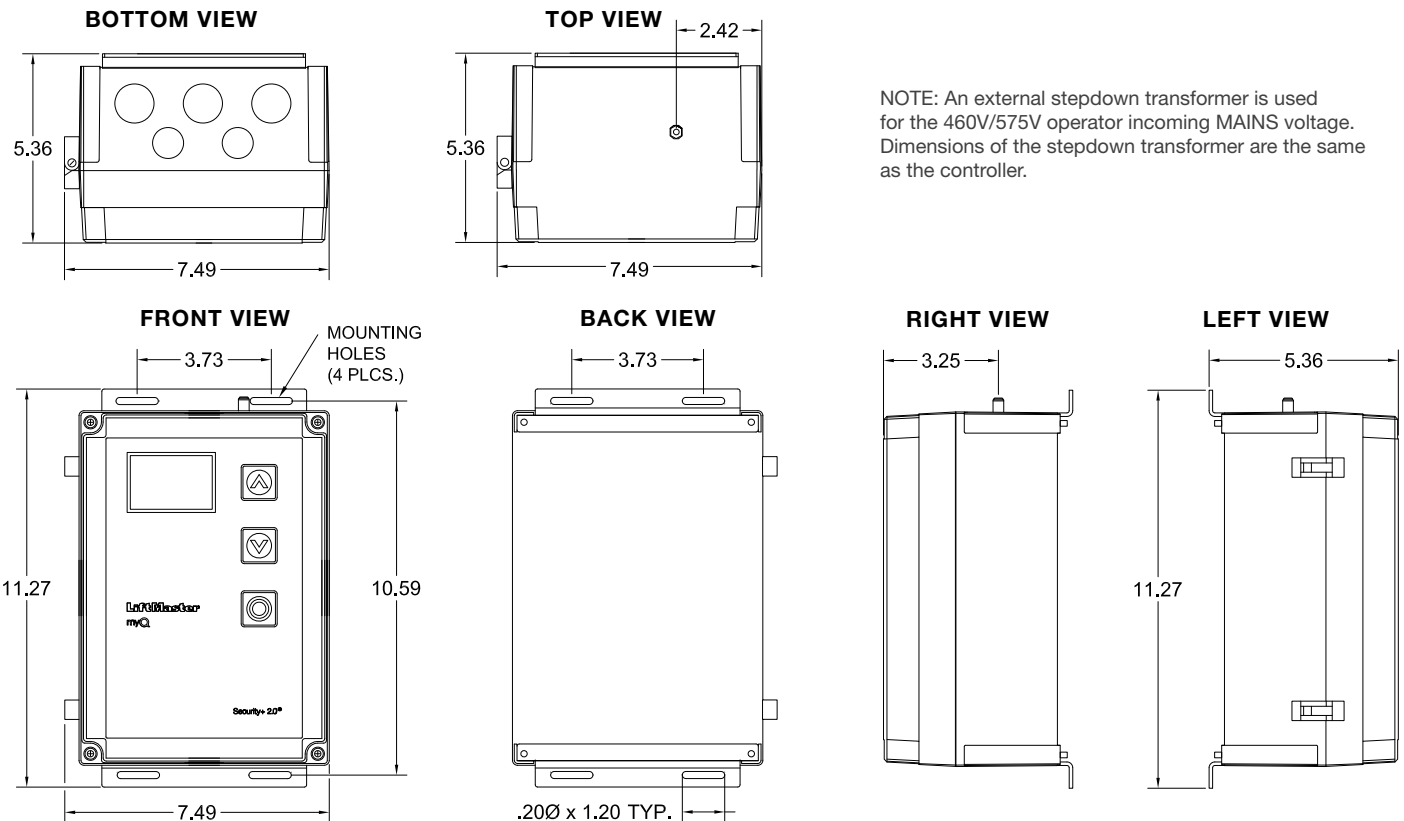
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## DIMENSIONS VFOH



## DIMENSIONS CONTROLLER



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### MAXIMUM DOOR WEIGH CHART

#### MEDIUM SPEED 1/2 HP

	17/32 in.	21/32 in.	3/4 in.	7/8 in.	1 in.
10 ft.	1750	1860	1560	1350	1200
12 ft.	1750	1560	1350	1200	1050
14 ft.	1750	1560	1200	1200	800
16 ft.	1560	1350	1200	1050	800
18 ft.	1560	1350	1050	1050	800
20 ft.	1350	1200	1050	800	800

#### FAST SPEED 1/2 HP

	17/32 in.	21/32 in.	3/4 in.	7/8 in.	1 in.
10 ft.	1350	1200	1050	800	800
12 ft.	1350	1050	800	800	500
14 ft.	1200	800	800	800	500
16 ft.	1050	800	800	500	500
18 ft.	1050	800	500	500	500
20 ft.	800	800	500	500	500

Please email [Specs@LiftMaster.com](mailto:Specs@LiftMaster.com) for additional specifications, selection guides and dimensioned drawings.