

MODEL HL FIRE DOORS

H-SERIES

Our Model HL provides state of the art fire protection. Its heavy duty design makes this door one of the best in the industry to protect your building against fires.

FEATURES INCLUDE:

- UL Classified, CSFM Listed, and optional FM Approved
- Feature rich options out of our fire door line
- Up to 100,000 operating cycles
- 1 1/2 to 3 Hour Fire Ratings (Optional FM 4 Hour Rating)
- Available as an S-Label "Smoke Door"
- Up to 40' wide and 32' high
- Custom sizes available*

COMMON APPLICATIONS:

- Parking Structures
- Schools/Universities
- Warehouses
- Public Utilities
- Government/Military

*Consult factory for more details.



LAWRENCE
DOORS

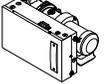
**MADE IN THE USA
SINCE 1925**

SPECIFICATIONS

UL File No. R2820 • CSFM Listing No. 3515-1587:100 • FM Approved

- MAXIMUM SIZE** 60 ft. wide, 50 ft. high, 1320 sq. ft.
- CLASSIFICATION** Underwriters Laboratories Classified (UL) and Certified for Canada (c-UL), California State Fire Marshal Listed (CSFM)
- LABEL** UL/c-UL Fire Door Label to 12 ft. wide, 12 ft. high, 120 sq. ft., UL/c-UL Oversize Door Label on larger sizes
- RATING** Fire rated up to 3 hours on interior or exterior masonry or non-masonry walls
- CURTAIN** Interlocking 22 gauge min. galvanized steel Type '3' flat slats with endlocks riveted to alternate slats
- BOTTOM BAR** Two 2" x 2" x 1/8" min. steel angles
- GUIDES** Formed 11 gauge min. steel U-channel guides (1/4" min. steel angle guides on doors over 24 ft. wide) and 3/16" min. steel wall angles bolted together and to wall with 3/8" min. fasteners no more than 24" apart
- BARREL** 6 5/8" min. steel pipe and solid steel shaft with sealed precision bearing and torsion spring(s) designed for 20,000 operating cycles
- BRACKETS** 3/16" min. steel plates with sealed precision bearing on operator side and external tension adjustment wheel
- HOOD** 24 gauge min. galvanized steel
- OPERATION** Push-up to 8 ft. wide and 8 ft. high, "Easy-Reset" chain operator on larger doors to 24 ft. wide, 20 ft. high, 350 sq. ft., "Easy-Reset" motor operator on doors exceeding limits of chain operator *NOTE: "Easy-Reset" chain, crank and motor operators have an internal release and governor with an average closing speed of 9" to 12" per second and eliminate the need for traditional mechanical reset*
- RELEASE** Fusible link activated single-side release, governor controlled descent with average closing speed between 6" and 24" per second
- LOCKS** Slide locks on coil side of bottom bar
- FINISH** Baked-on primer and top coat on slats and hood - grey both sides or tan opposite coil side/off-white coil side - shop painted black primer on bottom bar, guides and brackets
- WARRANTY** Two year limited warranty (excluding finish)

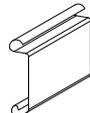
COMMON OPTIONS

-  S-label for air-leakage rated "smoke" doors
-  FM Approval on doors fire rated up to 4 hours
-  Flame baffle
-  Auto-Reset chain, crank, motor operators
-  FirePro™ Inspectors Test switch for Auto-Reset fire doors
-  AR-D fail safe time delayed alarm release or AR-D2 alarm release with 7-day battery backup

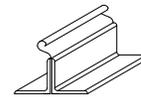
OTHER OPTIONS

- Designs for up to 100,000 operating cycles
- Audible, visible and voice warning devices
- Stainless steel doors (to 36 ft. wide)
- UL-listed brush seals (included with S-label)
- Sloping or irregular shaped bottom bars
- Galvanized or powder coat finishes

CURTAIN & BOTTOM BAR DETAILS

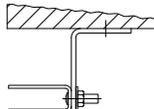


Type '3' Flat Slat

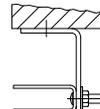


Steel Angle Bottom Bar

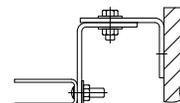
GUIDE DETAILS



Type 'Z' Guide

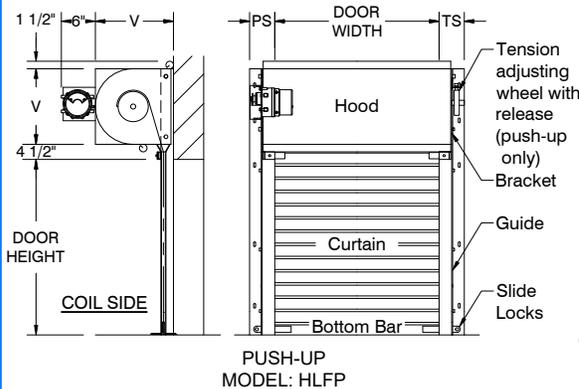


Type 'E' Guide



Between Jamb Guide

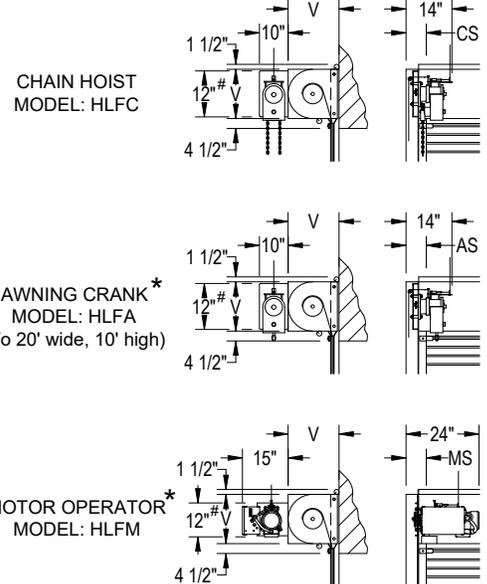
CLEARANCES (typical face mount door shown)



Clearances shown are for doors to 20 ft. wide, 16 ft. high
Consult factory for clearances on larger doors

PS	CS	AS	MS	TS
7"	8"	8"	8"	8"

'V' for doors to 11 ft. high is 16"
'V' for doors over 11 ft. high is 18"
(*"V" dimension includes required expansion clearance)



GENERAL NOTES:

Clearances are based upon standard door construction. Reduced clearances may be available. Some options may require additional clearance. Drive side shaft may need to be field cut to fit in clearances shown. Shop drawings for specific applications are available. Consult factory for any information not shown.

*Available as an option # "Auto-Reset" increases height of operator by approximately 3"