

MODEL IL FIRE DOORS

H-SERIES

The Model IL is rich with features. It is fire rated up to 4 hours, reduces sound transmission, improves climate control, and offers a high level of security while offering additional add-ons for your project's requirements.

FEATURES INCLUDE:

- FM Approved up to 36' wide and 24' high
- Door design improves climate control through a double wall slat that is filled with mineral wool insulation, achieving an R value of 5
- STC Rating of 27 for better sound control
- Optional "S" Label provides smoke control and reduces air infiltration
- Integral hood flame baffle provides enhanced fire protection
- Up to 100,000 operating cycles
- Doors on exterior openings available with windload ratings

COMMON APPLICATIONS:

- Hotels and Casinos
- Schools
- Chemical Storage Rooms
- Data Centers
- Security Applications

*Consult factory for more details.



MINERAL WOOL
INSULATION







LAWRENCE
DOORS

**MADE IN THE USA
SINCE 1925**

SPECIFICATIONS

MAXIMUM SIZE	44 ft. wide, 24 ft. high
CLASSIFICATION	FM Approved
LABEL	FM Fire Door Label to 12 ft. wide, 12 ft. high, 144 sq. ft. on masonry walls, or 12 ft. wide, 12 ft. high, 120 sq. ft. on non-masonry walls, or oversize door label on larger sizes
RATING	Fire rated up to 3 hours on interior or exterior walls of masonry construction, 1 1/2 hours on interior non-masonry walls
CURTAIN	Interlocking galvanized steel Type '33' flat slats - 22 gauge to 24 ft. wide, 20 gauge over 24 ft. wide - insulated with mineral wool and covered with fully interlocking 24 gauge backslats, with endlocks riveted to ends of alternate slats
BOTTOM BAR GUIDES	Two 2" x 2" x 1/8" min. steel angles
BARREL BRACKETS	Formed 11 gauge min. steel U-channel guides on doors to 24 ft. wide (1/4" min. steel angles on wider doors) and steel wall angles bolted together and to wall with 3/8" min. fasteners no more than 24" apart
HOOD OPERATION	6 5/8" min. steel pipe and solid steel shaft with sealed precision bearing and torsion spring(s) designed for 20,000 operating cycles
RELEASE LOCKS	3/16" min. steel plates with sealed precision bearing on operator side and external tension adjustment wheel
FINISH	24 gauge min. galvanized steel with integral flame baffle
WARRANTY	"Easy-Reset" chain operator on doors to 20 ft. wide, 16 ft. high, 250 sq. ft., "Easy-Reset" motor operator on doors exceeding limits of chain operator <i>NOTE: "Easy-Reset" chain 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</i>
RELEASE LOCKS	Fusible link activated single-side release, governor controlled descent with average closing speed between 6" and 24" per second
FINISH	Slide locks on coil side of bottom bar
WARRANTY	Baked-on primer and grey top coat on slats, backslats and hood, shop painted black primer on bottom bar, guides and brackets
	Two year limited warranty (excluding finish)

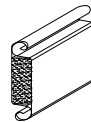
COMMON OPTIONS

-  S-label for air-leakage rated "smoke" 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

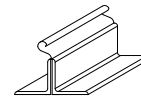
OTHER OPTIONS

- 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

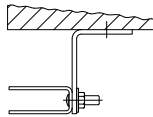


Type '33' Insulated Slat

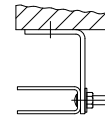


Steel Angle Bottom Bar

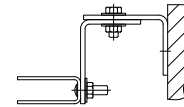
GUIDE DETAILS



Type 'Z' Guide

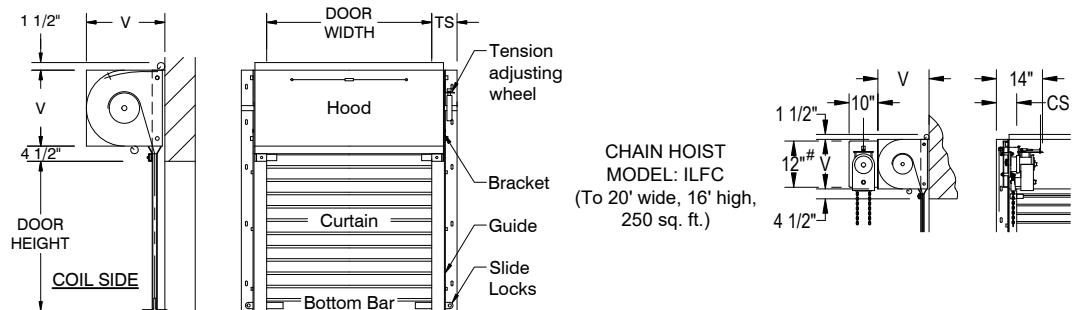


Type 'E' Guide



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

CS	MS	TS
8"	8"	8"

- 'V' for doors to 7 ft. high is 15 1/2"
- 'V' for doors over 7 ft. to 11 ft. high is 18"
- 'V' for doors over 11 ft. to 15 ft. high is 20"
- 'V' for doors over 15 ft. high is 22"
- (* "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"