FIRE RATED HINGED

CERTIFIED EN 1634-1

Fire rated hinged cold room doors offer the safest solution providing protection from the fire for more than 60 minutes. They are constructed with high technology fireproof materials and they bear CE EN 1634-1 certification, in order to ensure fire safety.

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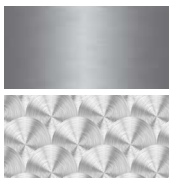
- Door leaf thickness 120mm providing insulation for low temperature freezer and positive temperature chiller doors.
- Galvanized sheet (thickness 1 mm) is used with external foodsafe antibacterial coating plastisol (250µm).
- Inside the door high tech materials are combined with non flammable polyurethane according to DIN 4102-1.
- Fire protection non - flammable material materials providing fire endurance up to 60min.
- Fire Rated and Insulation seals are used at top, left and right side.
- Fire Rated special drop down double seal is used at the bottom of the door.
- For thermal insulation, perimetrical on the door leaf single row of special insulating gaskets are used. At the bottom of the door sweep gasket is used.
- Heating elements are installed inside frame and inside threshold in freezer door.
- Stainless steel 304 insulated with high-tech materials, frame (sheet metal thickness 1,5mm) for all panel thicknesses 120mm-250mm.
- Heavy duty hinges (set of three pieces) used with self-closing mechanism.
- Fire rated exit door handle with or without lock key hole.
- Heavy duty fire tested door closer for door weight up to 160 kg with springs.
- Fire rated Panic Bar is mounted on push side of the door with Steel latches.

OPTIONS

Plastified sheet
(standard)



Stainless steel sheet
(optional)

Decorative protective bumpers

AVAILABLE COLORS

RAL1006

RAL2009

RAL3001

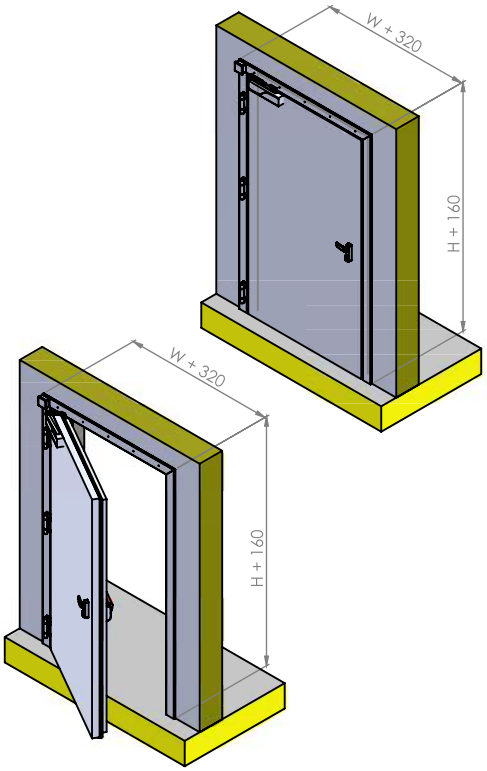
RAL5015

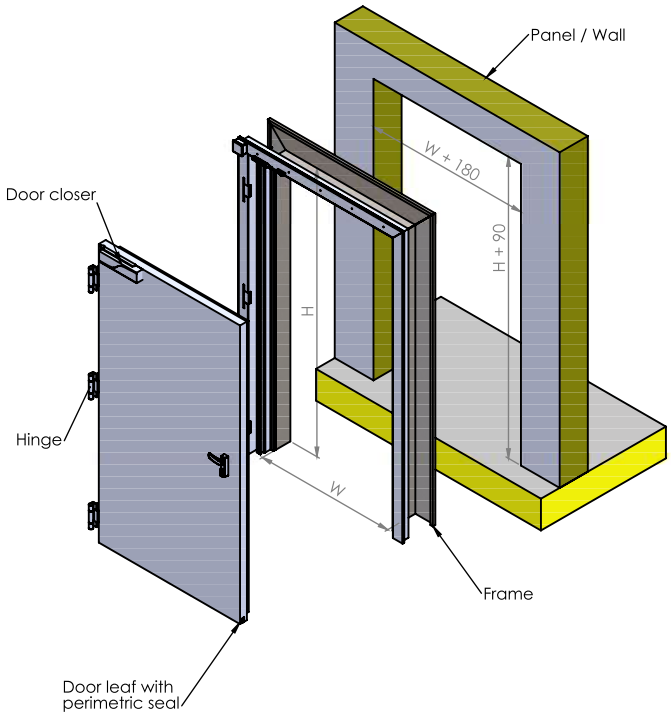
RAL9010

RAL7047 Pebbled

RAL9002

TECHNICAL DRAWING





Testing according to CE EN 1634-1 Fire Protection Standard

When carrying out the fire resistance tests of the doors, the fire resistant doors include the entire door system including the safe, wing and all accessories. The installation of the door is also part of this system. The doors may be made of wood or made of glass, metal or composite materials. The laboratory which will carry out the fire resistance tests of the doors must be accredited in accordance with the CE EN ISO/IEC 17025 standard. This standard sets out the general requirements for the competence of testing and calibration laboratories. Experience tests of the doors to be made against fire are carried out according to CE EN 1634-1 standard.

Fire doors are classified according to their usage places. This classification is made according to the integrity (E), insulation (I) and radiation emission (W) properties of the door.

- In hotels the doors to the inner and outer corridors are classed as EI30. This means that these gates must prevent the flames, smoke, toxic gases and heat from passing through the 30 minutes during a fire.

- The class of the room doors leading to the escape stairs in the buildings is EI60. So these doors should show fire resistance for 60 minutes.

- The class of doors opening to the fire safety hall is EI90. So these doors should show fire resistance for 90 minutes.

- Similarly, the class of doors to the escape staircase is EI90.

	MOD FHG612 TP	MOD FHG612 TL
Application		
Chiller Room	●	
Freezer Room		●
Temperature	0 °C	-25 °C
Net Opening Dimensions (mm)*		
Minimum Width	800	800
Minimum Height	2000	2000
Maximum Width	1500	1500
Maximum Height	2500	2500
Door Thickness (mm)		
Leaf Thickness	120	120
Minimum Panel Thickness	80	120
Maximum Panel Thickness	200	200
Options		
Plastified Surface **	●	●
Inox Surface	○	○
Full Inox	○	○
Accessories		
Heating Element		Single
Door Closer	●	●
Panic Bar	○	○
Decorative Bars	○	○

● Standard
○ Optional

* For custom dimensions contact with A. Motors office.
** Colors other than white come with extra charge.

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Fire Rated Hinged Door

Single leaf fire rated door with strong stainless steel perimetric leaf frame for unlimited durability.

FIRE RATED SLIDING

Fire rated hinged cold room doors offer the safest solution providing protection from the fire for 60 to 90 minutes. They are constructed with high technology fireproof materials and they bear CE EN 1634-1 certification, in order to ensure fire safety.

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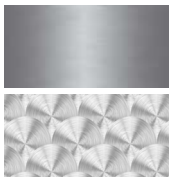
- Door leaf thickness 120mm providing insulation for low temperature freezer and positive temperature chiller doors.
- Galvanized sheet (thickness 1 mm) is used with external foodsafe antibacterial coating plastisol (250µm).
- Inside the door high tech materials are combined with non flammable polyurethane according to DIN 4102-1.
- Fire protection non - flammable material materials providing fire endurance up to 60min.
- Fire Rated and Insulation seals are used at top, left and right side.
- Heating elements are used inside frame and inside threshold in freezer door.
- Insulated frame with high-tech materials made of Stainless steel 304 (sheet metal thickness 1,5mm) for all panel thicknesses 120mm-250mm.
- Stainless steel 304 sheet metal sliding guide fabrication (sheet metal thickness 2mm).
- Electronic accessories current at 12-24V.
- In case of fire the door is automatically closed by spring pulley, fire tested for use on fire protection sliding doors. Damper is used to ensure extra safety.
- Stainless steel heavy duty external and internal handle.
- Stainless steel wheels and suspension brackets.
- Stainless steel sliding rail.
- Door is operated manually or automatically through chain motor tested according to CE EN 13241-1.

OPTIONS

Plastified sheet
(standard)



Stainless steel sheet
(optional)

Decorative protective bumpers

AVAILABLE COLORS

RAL1006

RAL2009

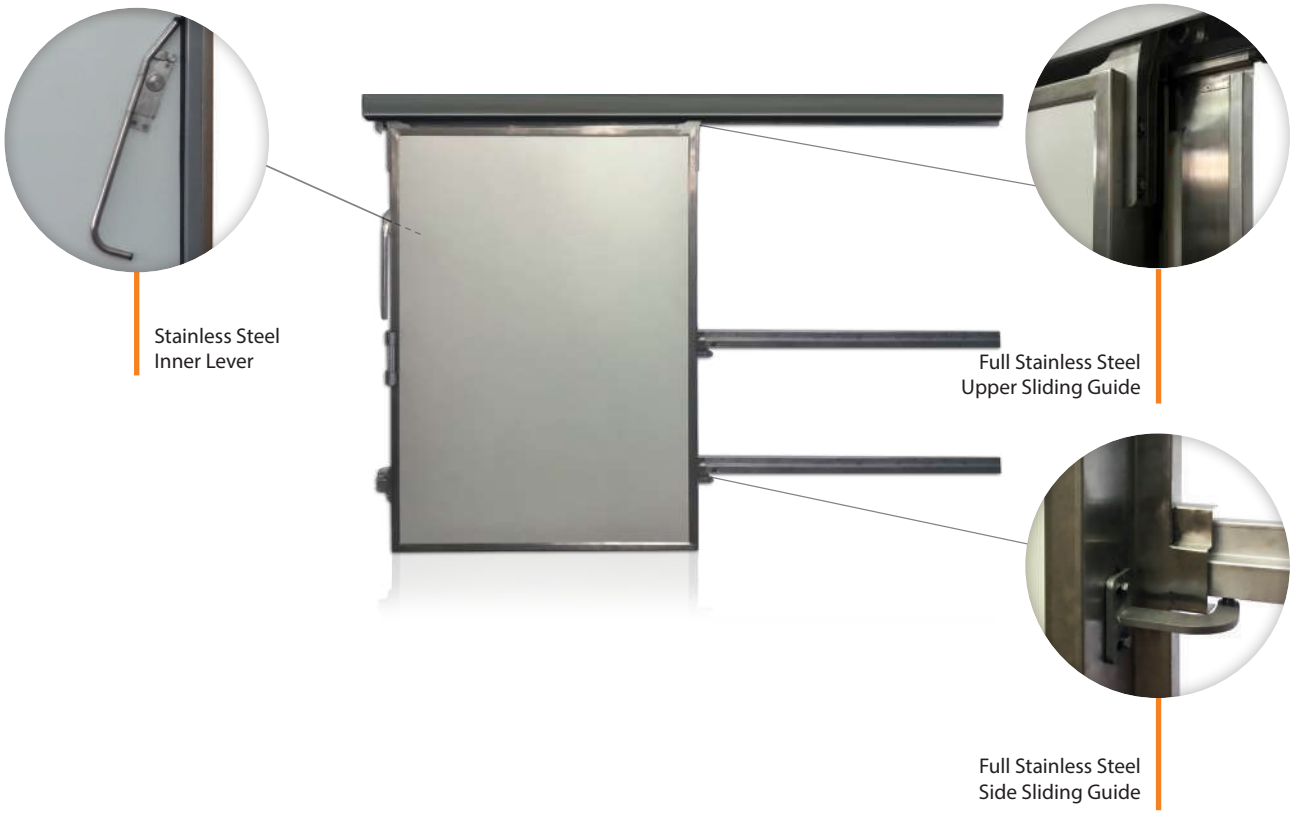
RAL3001

RAL5015

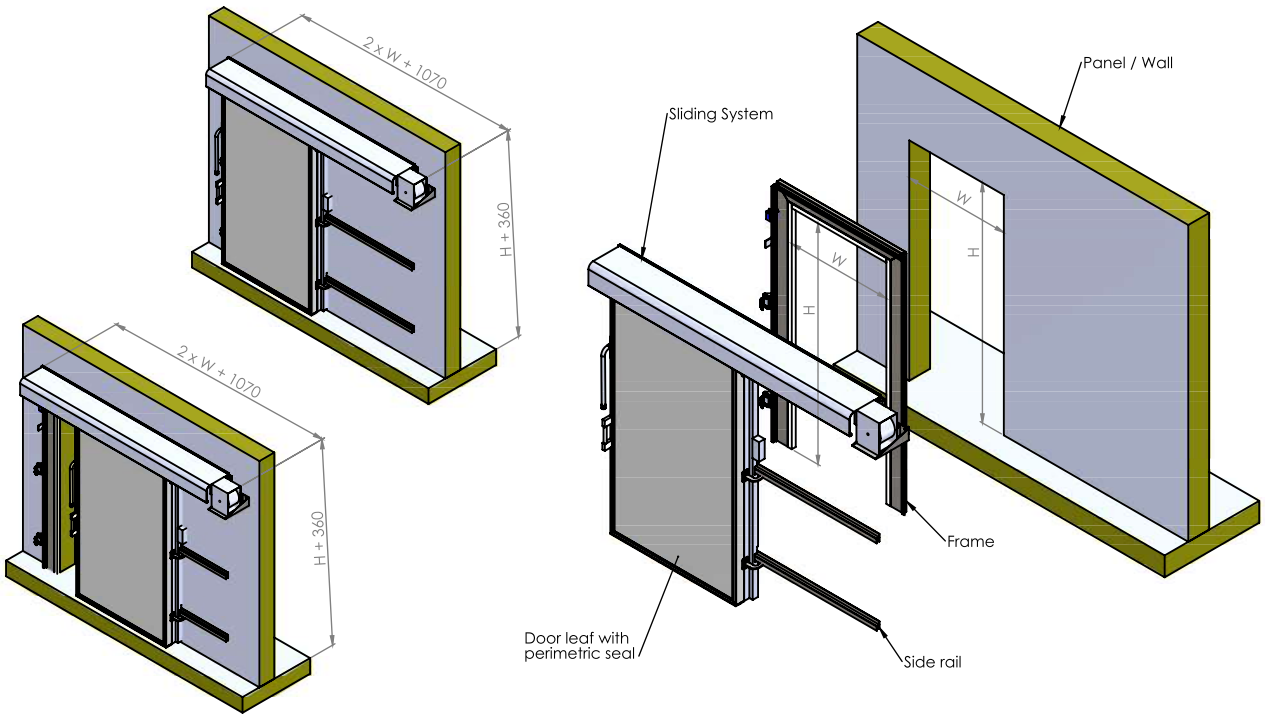
RAL9010

RAL7047 Pebbled

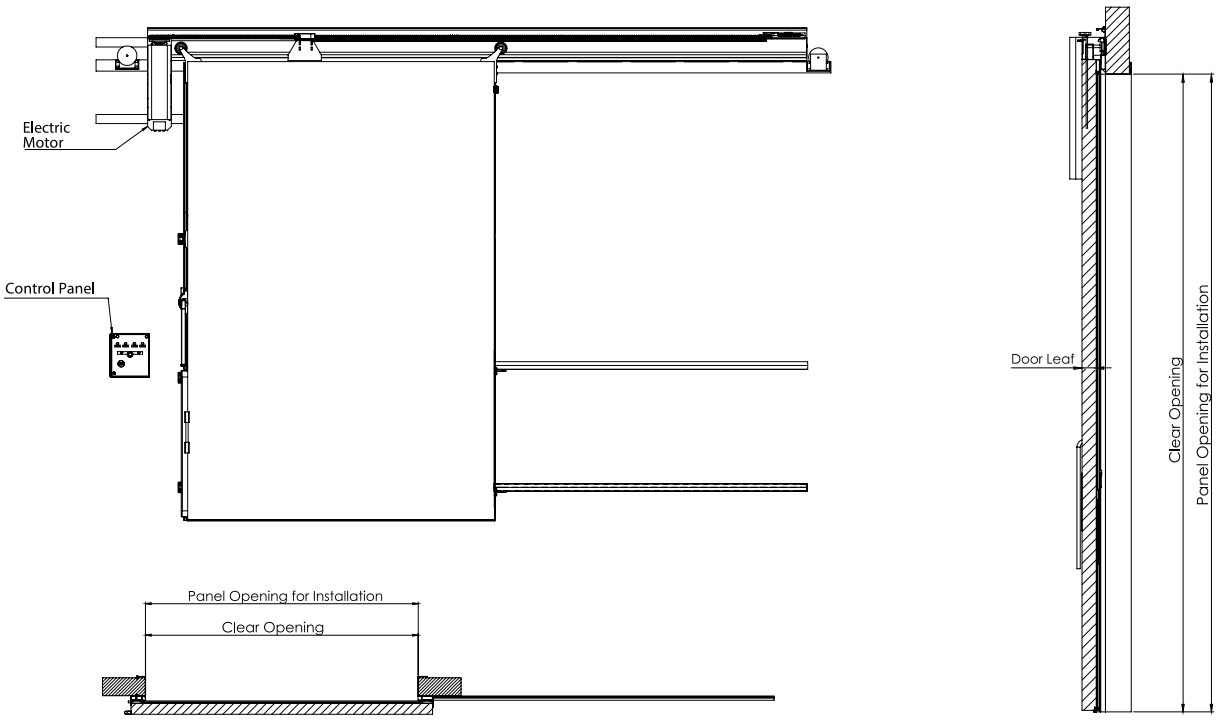
RAL9002



TECHNICAL DRAWING



ELECTRIC SLIDING TECHNICAL DRAWING



	MOD FSL812 TP	MOD FSL812 TL
Application		
Chiller Room	●	
Freezer Room		●
Temperature	0 °C	-25 °C
Net Opening Dimensions (mm)*		
Minimum Width	800	800
Minimum Height	2000	2000
Maximum Width	2500	2500
Maximum Height	4000	4000
Door Thickness (mm)		
Leaf Thickness	120	120
Minimum Panel Thickness	80	120
Maximum Panel Thickness	200	200
Options		
Plastified Surface **	●	●
Inox Surface	○	○
Full Inox	○	○
Electric Sliding	○	○
Accessories		
Heating Element		Single
Door Closer	●	●
Decorative Bars	○	○
PVC Protective Bars	○	○

● Standard
○ Optional

* For custom dimensions contact with A. Motors office.
** Colors other than white come with extra charge.

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Our products are constructed in our modern facilities in Kryoneri Industrial Area, Athens, in compliance with German DIN standards of Berlin Technical University & HACCP specifications.

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