

HYUNDAI's Solution for EN81-72



TOTAL SOLUTION FOR FIREFIGHTER ELEVATORS

Hyundai Elevator offers firefighter elevators that meet EN81-72 requirements with designs that comply with EN81-20 and the installation of specific firefighting protection, controls and signals. When distance between floors is high, these elevators can be used to conduct rescue operations through trap doors and ladders.

Firefighter elevators are also good for regular use. They function as passenger elevators with reinforced safety that come in a variety of designs and materials.

Because firefighter elevators may represent be a significant investment, their need should be properly assessed and established. Please contact your local HYUNDAI sales representatives for more detailed information.

SAFETY REQUIREMENTS AND/OR PROTECTIVE MEASURES FOR THE ENVIRONMENT/BUILDING AND ELEVATORS

ENVIRONMENT/BUILDING

- National/local regulations & requirements
- Fire resistance of the elevator well and safe area
- Power and water management
- Smoke control
- Fire service communication system

ELEVATOR

- Fundamental firefighter elevator requirements (below)
- Water protection of electrical equipment
- Rescue of firefighters trapped in the car
- Car doors and landing doors
- Elevator machine and associated equipment
- Control systems
- Fire service communication system

FUNDAMENTAL FIREFIGHTER ELEVATOR REQUIREMENTS

1. Compliance to ISO 4190-1 standards as much as possible.
2. Minimum car size and capacity:
W1100 x D1400 mm, 630 kg.
3. Minimum entrance width: 800 mm.
4. Minimum car dimensions and capacity for evacuation, stretchers or beds:
W1100 x D2100 mm, 1000 kg.
5. Elevator must be able to reach the highest floor within 60 sec. under firefighting operation.
6. Minimum IPX3 classification of electrical equipment.
7. Electrical parts of the pit must meet IP67 ratings.
8. Minimum emergency trap door dimensions of 500 x 700 mm for 1000 kg and 400 x 600 mm for 630 kg.
9. Fire service communication system.

CAR DESIGN SELECTION GUIDE



1 Ceilings with Ultra-slim LED Lights

Green energy and eye fatigue reduction
CD 571A, CD 511B, CD571B, CD 571C

2 Car Operating Panels

OPP-N/D264A, N/D 266A, N/D 280A

3 Handrails

1FG, 1FB, 1FW (Anti-virus)

4 Walls

Stainless Steel Finish

5 Floors

PVC Tile, Engineered Stone, Stainless Steel

HALL POSITION INDICATORS



PI-L900



PI-L700



PI-D900



PI-D700



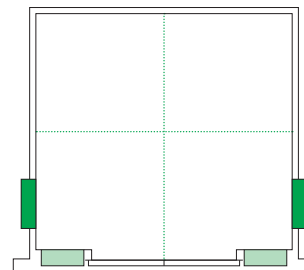
PI-L210

BUTTONS



64 Button

LADDER POSITIONING



Ladder cabinet can be placed in the front/right or front/left.

PICTOGRAM OF FIREFIGHTER ELEVATORS



20 x 20 mm on the car's OPB
100 x 100 mm in the hall