

KONE SOLUTION FOR EN 81-72-2015

COMPLETE SOLUTION FOR FIREFIGHTERS ELEVATORS



Safety requirements and/or protective measures must be considered for the building and the elevator.

BUILDING:

- Environmental building requirements
- Safety requirements
- Building water management
- Power supply
- Fire service communication system

ELEVATOR:

- Fundamental firefighter elevator requirements
- Rescue of trapped firefighters in the elevator shaft
- Control system
- Car and landing controls
- Fire service communication system

KONE has complete solutions for firefighters elevators (EN 81-72-2015) to meet specific customer requirements. A wide range of KONE Design Mix&Match materials and KONE Design options can be selected.

The KONE solutions for firefighters elevators fulfill both the environmental and functional requirements of EN 81-72-2015. Trap doors and ladders for rescue operations are provided. Electrical and control equipment, their enclosure and elevator operation in the event of fire service is according to requirement of EN81-72-2015.

Please select the KONE solution for fire service using the materials and devices listed on the other side, or contact your local KONE sales office for more detailed information.

A firefighters elevator can be used as a normal passenger elevator even if it has the additional protection, controls and signalization to enable it to be used under the direct control of the firefighter.

Fundamental firefighters elevator requirements

- Minimum car size 1100 mm x 1400 mm, 630 kg
- When evacuation required, minimum 1100 mm x 2100 mm for 1000 kg.
- Intercom between Car – Fire service access level – monitoring room
- Ladders and Trap door, minimum 400 mm x 600 mm for 630 kg, and 500 mm x 780 mm for larger cars
- IP23 Enclosure class for car controls and for electrical devices within 1 m from landing
- Specific building related requirements e.g. removal of water from pit by builder



Car interior options for firefighters elevators

- 1 CEILING**
LED spot lights CL88FF, CL88FFL
- 2 CAR OPERATING PANEL**
Partial height KSC D23, KSC 143
Full height KSC D53 KSC D63, KSC 573, KSC 673, KSC 675
- 3 HANDRAIL**
Full offering available, subject to limitation per local building codes
- 4 WALLS AND FLOORING**
full offering available, subject to limitation per local building codes

Landing device options for firefighters elevators*

KSH D20, KSI D42,
KSI 573, KSA 573,
KSH 660, KSH 670, KSI 673, KSA 673



KSH D20



KSH 140



KSI 143



KSI D41



KSI 573



KSA 573



KSI D42



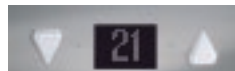
KSH 570



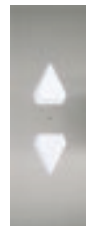
KSH 670



KSI 673



KSA 673

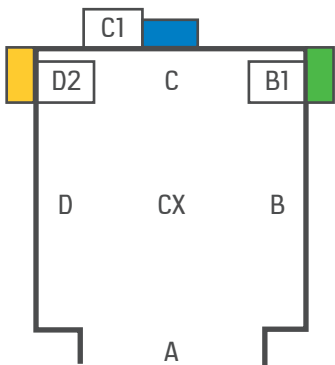


KSH 660

* Firefighters access level always
requires position indicator

Ladder in the car

Ladder can be located in the ceiling with trapdoor (CL88FFL) or to separate ladder cabinet (not available in KONE MonoSpace® 500).



Landing door options for firefighters elevators



KES 600 and KES 800 doors
Stainless steel (F, K, M, D, H)
IP54 enclosure

KONE Corporation
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