

D A T A S H E E T

Hermetic sealing sliding door KONE HS Manual

General product description:

- **Application;** sealing of conditioned rooms (operating theatres, laboratories, clean rooms, etc.) where hygiene, noise reduction and air pressure control is important
- **Construction;** single or double door panel
- **Opening width;** maximum 2400 mm.
- **Opening height;** maximum 2500 mm.
- **Weight;** maximum door weight 175 kg.
- **Sound insulation value;** standard $R_w = 28$ dB, optional $R_w = 34$ dB.
- **Air tightness:**
 - Air leakage with 10 Pa: positive pressure 1,5 m³/h, negative pressure 1,2 m³/h
 - Air leakage with 50 Pa: positive pressure 6,1 m³/h, negative pressure 4,2 m³/h
- **Certification;** the KONE HS hermetic sealing door meets the international standards (CE) for quality and safety.

Features door panel:

- **Panel boundary;** silver anodized aluminium design profiles around the door.
- **Panel thickness;** panel 39,6 mm. inclusive boundary 62 mm.
- **Synthetic sealing;** specially designed with materials to secure optimal sealing and resistance against detergents and disinfectants.
- **Door panel filling;** Foam or wooden filling with 0,8 mm HPL cover, optional:
 - Panel with 1 or 2 mm lead inlay (radiation resistance/X-ray doors)
 - Panel with 34 dB sound insulation
 - Glass panel instead of HPL (insulated glass 8-24-8)
 - Panel with 60 minutes fire resistance (optional: with 2 mm lead)
- **Windows;**
 - Square window with aluminium frame and insulated glass (with or without lead glass)
Standard sizes: 300x300 mm, 600x600 mm, 300x600 mm (other sizes on request)
 - Round window with stainless steel frame (laminated glass)
 - Flush frameless window (insulated glass)
 - Window with blinds (insulated glass)
 - Window with laser shielding on 1 side (insulated glass)
- **Door handle;** design handle with lever mechanism for easy lifting and opening of the door in one movement. The handle always returns to the neutral position. Aluminium handle in RAL 9006. Option: door handle on 1 side.
- **Bottom guide;** solid bottom guides to support the door and to assure hermetical sealing.

Features sliding door construction:

- **Rail;** aluminium rail supplied with an integrated changeable running rail with notches to assure an optimal hermetic sealing of the door.
- **Carriers;** steel carriers with synthetic rollers and bearings to assure a smooth and noiseless running.
- **Cover;** aluminium design cover, silver anodized. Size (depth x height): 119 x 137 mm.

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Options:

- **Wall frame;** aluminium wall frame in order to create an optimal hermetical sealing:
 - Z1; adjustable wall frame on one side
 - Z2; double wall frame with HPL panels for max. wall thickness 800 mm
 - Z2-Pb1; double wall frame with 1 mm lead inlay
 - Z2-Pb2; double wall frame with 2 mm lead inlay
- **Earth connection;** K3 (earthing of unit, door and wall frame)
- **Extended cover and rail**
- **Locking**
 - Mechanical lock with bar lock and with the following options:
 - key (Euro cylinder) on 1 or both sides
 - one side key, one side button
 - one side button, one side red-white indicator (toilet lock)
- **Operator for automatic closing:**
 - Intelligence; “Smart Door Technology”
 - Line power; 230V, 50Hz, 6 Amp, 1 phase. Maximum used power 80 W.
 - Open; manually
 - Closing; automatic
 - Door weight; max. 140 kg
 - High cover KONE HS-A2