

D A T A S H E E T

Hermetic sealing sliding door KONE HS Manual

General:

- **Application;** sealing of conditioned rooms as operation theatres, laboratories, etc. and where the hygienic, noise and hermetically sealing important is
- **Construction;** single or double door leaf; left or right sliding
- **Opening width;** maximum 2400 mm.
- **Opening height;** maximum 2500 mm.
- **Weight;** max. door weight 175 kg per door leaf
- **Noise isolation 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 Manual hermetic sealing door meets all the international (CE) standards for quality and safety.

Features door construction:

- **Door panel filling;** Foam or wooden filling with 0,8 mm HPL cover, optional;
 - Panel with HPL, radiation resistance 1 mm lead inlay
 - Panel with HPL, radiation resistance 2 mm lead inlay
 - Panel with HPL, 34 dB noise reduction
 - Panel with HPL inclusive window with laminated insulated glass (3.3.2-15-3.3.2):
 - Standard dimensions: (other dimensions on request)
 - 300 x 300 mm.
 - 600 x 600 mm.
 - 600 x 300 mm.
 - 300 x 600 mm.
 - Round 500 mm (laminated glass 4.4.1)
 - Flush window (without frame)
 - Lead glass (2 mm lead equivalent)
 - Panel with HPL and 30 minutes fire resistance
 - Panel with stainless steel surface
 - Panel with full glazing (insulated glass 8-24-8)
- **Panel boundary;** silver anodized aluminium profiles in design around the door
- **Panel thickness;** 39,6 mm. inclusive boundary 62 mm.
- **Special door handle** in design for easy opening and lifting the door in one movement. The handle always returns to the neutral position. Option: door handle on 1 side
- **Synthetic sealing;** specially designed with materials to secure optimal sealing and resistance against detergents and disinfectants
- **Bottom guide;** solid bottom guides to support the door and to assure hermetical sealing.

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Features sliding construction:

- **Running track;** aluminium running track supplied with an integrated changeable rail
- **Suspension system:** per door leaf two 3-dimensional adjustable carriers
- **Carriers;** steel carriers with synthetic rollers and bearings to assure a smooth and noiseless running
- **Cover;** aluminium cover in design, silver anodized
Depth x Height = 119 x 137 mm.

Options:

- **Aluminium frame WM1-Z** standard with HPL to create a hermetically sealing:
 - WM1-Z1; adjusting frame on one side
 - WM1-Z2; double sided frame for max. wall thickness 800 mm
 - WM1-Z2-Pb1 (lead inlay 1 mm)
 - WM1-Z2-Pb2 (lead inlay 2 mm)
- **Earthing;** S1, S2 or S3 standard
- **Cover and profile extension**
- **Locking;** mechanical locking with bar lock and with the following options:
 - Key at both sides
 - One side key, one side button
 - One side key
 - One side button, one side red-/white indicator (toilet lock)
- **Software controlled closing equipment:**
 - Intelligence; “Waldoor[®] Smart Door Technology”
 - Line power; 230V, 50Hz, 2 Amp, 1 phase. Nominal used power 80 W.
 - Open; manually
 - Closing; automatic
 - Door weight; max. 140 kg
 - High cover KONE HS-A2.