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Skaala HAS-OM-10, outward opening balcony door

Thermal transmittance (of window) U, (W/m²K)
U_w = 1,0 (HAS115-OM-10, HAS131-OM-10)

Total solar transmittance of glass
g_g = 0,53 (HAS115-OM-10, HAS131-OM-10)

Light transmittance (%)
LT = 71 (HAS115-OM-10, HAS131-OM-10)

Product Family Skaala Scandic

Window type

Outward opening aluminium clad timber window with one casement, triple glass unit, frame depth 115mm, alternatively 131mm. The casement and the frame with modern, straight lined profile. Sill is made of hardwood.

Materials

Painted windows: Frame finger jointed made from Nordic Pine, all visible surfaces knotless, on the back side of the frame small singular knots are allowed. Casement engineered timber laminated from three sections, made from Nordic Pine, all visible surfaces knotless.

Stained windows: Frame made from Nordic Pine, all visible surfaces knotless, on the back side of the frame small singular knots are allowed. Casement engineered timber laminated from three sections, made from Nordic Pine, inner and outer surfaces knotless and with finger joints

Aluminium cladding: The outer glazing frame and outer cladding of frame powder coated aluminium. Outer part of the sill is made of anodized aluminium.

Maximum and minimum sizes

Maximum and minimum sizes of single opening casements:

Min. width	Max. width	Min. height	Max. height
740mm	1090mm	1790mm	2300mm
740mm	1090mm	1790mm	2300mm

Maximum width and height of frame is 3000 mm, however maximum area of the frame is 6 m².

Glazing

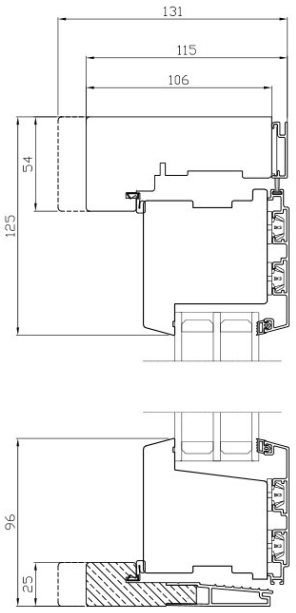
As standard glazing triple IG-unit with SuperSpacer, argon gas. In HAS115-10 product there is one Low-E glas. Glazing with silicone and with outer aluminium frame. Mild green tint of the glazing is a normal characteristic of the product. Intensity depends on the number of glass panes and the structure of the product. Energy values are defined with standard glazing.

Hardware

3 pcs Assa balcony hinges
Assa Espagnolette with 3 pcs window plates, handle with door brake (FIX 151)

Weather-stripping

PU-weather-strip (Q-Lon) in frame rebate. Between the aluminium glazing frame and the IG-unit TPE-weather-strip. Between frame and casement brush strip (sides and top)



Surface treatment types:

Painting (VM)

Base coating with polyurethane paint, surface painting with water based paint. Manufacturing process of the billet structures with know and defect removal gives an excellent base for surface treatment. Painting is processed as a manually spray painting procedure with high pressure. Painting is carried out with separated parts before the assembly. Due tot he procedure all grooves and frame ends have a clean finish as well. Standard colour: white (NCS S 0502-Y)

Staining and lacquering (KL)

1x coat of translucent stain + inner part of frame and casement lacquered

Base coat (SK)

Base coating with colourless wood protective liquid.

Notification for stain coloured products

The characteristics oft he timber material used in the manufacturing process may have a little variation depending on the growth location, growing process/speed, felling seasons, lengths of storage and lengths of drying period. Due to this the absorption oft he material used in the staining process may vary causing gentle colour fluctuation between different products and even between different areas oft he same product. For some reason the final colours of products may slightly differ from the colours presented in colour maps.

Astragals

PIR30A, PIR60A= clip-on astragals to outer surface, fixed with lock-on systems
JPY = timber astragal, outer part aluminium, dividing the glass elements, width 78 mm.

Accessories (optional)

Venetian blinds on inner surface (with control wires).
Groove for internal trim (only for 131 mm frame depth) (sides and top).

Condensation oft he outermost glass surface oft he outer glazing in windows with good insulating qualities

In certain times during a year when the humidity is high the windows can gather condensation on the outermost glass surface of the glazing. Other than the weather conditions, condensation may also be caused by the architectural design oft he building (e.g. roof structure), compass directions and surrounding plants. Condensation is either a cause of a low temperature inside the building or a good insulation of the window. Thermal radiation from the inside is not enough to keep the glass dry. Condensation is not harmful and does not damage the window. Skaala FrostFree structure will solve this problem. However, because this is a normal natural phenomenon, it might occur in some conditions also in FrostFree windows.