



Hansen



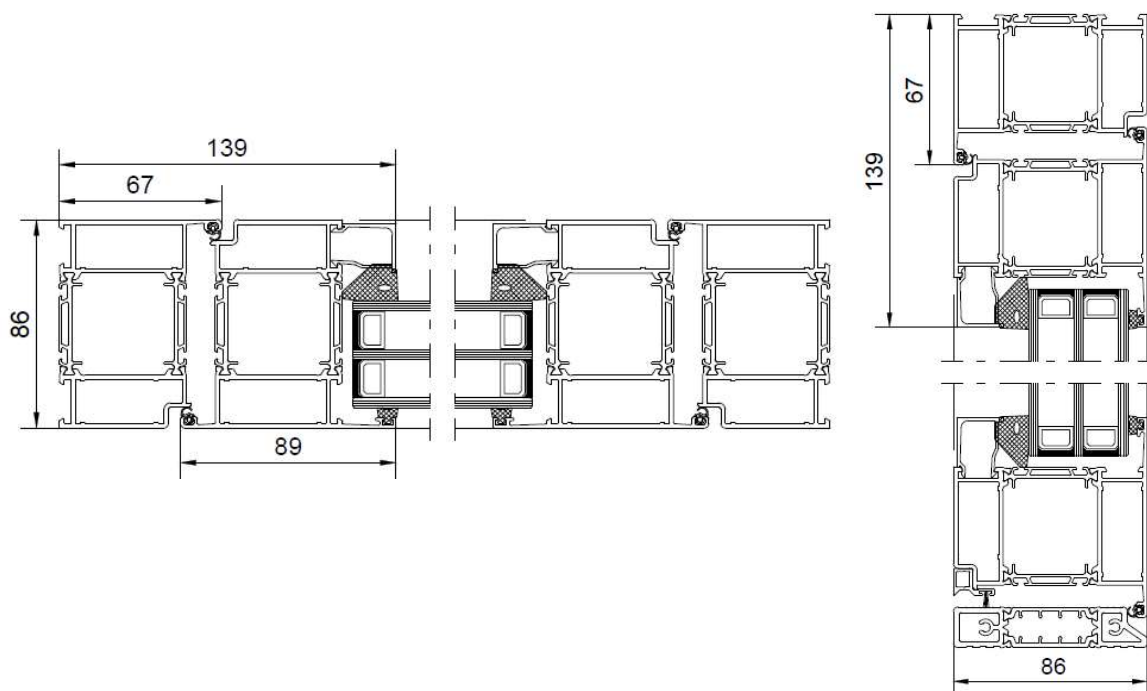
## Door system SAPA 2086

**Sapa door 2086** has 86 mm deep profiles, basic insulation level with 42 mm of glass fibre reinforced polyamide strips. For optimum energy performance, choose Door 2086 SX with Sapa Thermo N9 insulating strips in profiles.

System can be specified with choice of three seal performance levels: Standard, Plus and Extreme. Door leaf profiles are available for narrow and modular locks.

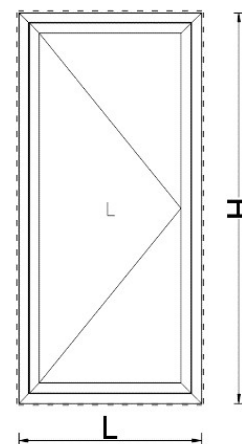
<b>Construction:</b>	The static properties of the profiles are optimized, as the compaction of the aluminium profiles and the thermal break contributes to the strength.
<b>Design:</b>	<b>2086 DOORS:</b> Max dim sash: L to 1350 mm, H to 3000 mm
<b>Profiles:</b>	The system includes many profile variations, for different visual expressions. Can be surface treated as desired in different colours outside and inside.
<b>Variants:</b>	<b>2086 DOORS:</b> <ul style="list-style-type: none"><li>- 2086</li><li>- 2086 Plus</li><li>- 2086 Extreme</li></ul>
<b>Air permeability:</b>	2086: <b>n/a</b> 2086 Plus: <b>Class 2</b> 2086 Extreme: <b>Class 4</b>
<b>Water tightness:</b>	2086: <b>n/a</b> 2086 Plus: <b>Class 4A</b> 2086 Extreme: <b>Class 9A</b>
<b>Wind load classification:</b>	2086: <b>n/a</b> 2086 Plus: <b>Class C2</b> 2086 Extreme: <b>Class C3</b>
<b>Repeated opening/closure EN 12400</b>	2086: <b>Class 6</b> 2086 Plus: <b>Class 6</b> 2086 Extreme: <b>Class 6</b>

## Cross sections



## Technical specification

Depth of frame	86 mm
Depth of leaf	86 mm
Glazing range	20-64 mm
Maximum size (HxL)	H to 3000 mm (H to 2500mm for Plus and Extreme) L to 1350 mm
Max weight	200 kg
Value Ud [W/m <sup>2</sup> K]	1,0 W/m <sup>2</sup> K – for 2086, 2086 plus and 2086 extreme (Ug=0,5 W/m <sup>2</sup> K) 1,2 W/m <sup>2</sup> K – for 2086, 2086 plus and 2086 extreme (Ug=0,7 W/m <sup>2</sup> K)



- Door leaf weight > 100kg - use a wide door leaf 86425, 86426
- Door leaf width > 1200mm - use a wide door leaf 86425, 86426

## Door handles



**Semicircular handle**  
with concealed  
attachments.  
Height 300 mm,  $\varnothing$  30  
mm.  
Aluminum or stainless  
steel.



**Triangular handle**  
with concealed  
attachments.  
Height 300 mm,  $\varnothing$  30  
mm.  
Aluminum.



**Offset handle** with  
concealed  
attachments.  
Height 300 mm,  $\varnothing$  30  
mm.  
Aluminum.



**Lever handle for  
inner door**  
Lever handle, knob,  
rosette and cylinder  
rosette with modular  
profile. Width 137  
mm,  $\varnothing$  21 mm.

## Hinges



**Universal hinge**  
Dr Hahn - 14090, 14091,  
14092.



**Lap butt hinge**  
14072, 14094  
 $H_{\max} = 2400\text{mm}$   
 $L_{\max} = 1250\text{mm}$   
- cannot be used in the system  
SAPA 2086 Plus and Extreme.



**Concealed hinge**  
14059, 14065

