

Lift and slide door IDEAL Premium

- Flush design
- 197 mm construction depth
- Thermally separated threshold

Energy saving through new windows

U _w value (old)	3.50 W/(m ² K)
U _w value (new)	0.79 W/(m ² K)
Window area	30 m ²
Annual fuel oil savings	1078 litres
Annual carbon dioxide reduction	2,911 kg

Explanation

Heating degree days	4,050
Conversion factor kilogram into litres of heating oil	1.19
Conversion of calorific value Wh/kg	11,800
Heating efficiency	0.75

SAFETY EQUIPMENT / FITTING

BASIS:

- 2 locking bolts
- Form stable threshold
- Continuous aluminium frame reinforcement
- Top guide rail made of aluminium
- Max. sash weight 450 kg

OPTIONAL:

- Safety levels: RC2, according to EN 1627-1630
- Integrated door gear, lockable from inside and outside
- Comfort gears
- Lock monitoring according to VDI
- Fitting up to 600 kg
- SoftClose
- Aerocontrol magnetic contact for electronic monitoring

COLOURS

- Double-sided: Papyrus white or black for decor
- One or both sides: black for decor
- Decor according to current price list according to colour range uPVC
- Lever/handle: white, brown, stainless steel, F4, F9

SOUND INSULATION

Lift and slide door
RwP up to 44 dB

GLASS THICKNESS

From 24 mm to 51 mm

SEALS

- Centre joint with double seal
- 2 sealing levels in the sash area



SYSTEM VALUES

- Air permeability: Class 3 (according to EN 12207)
- Driving rain-proof: Class 4A (according to EN 12208)
- Water tightness against driving rain:
Class B2 (according to EN 12210)

Please note:

The classes given here are minimum classes. For higher requirements please consult us.

THERMAL INSULATION

- Reference size 3500 x 2180 mm
- $U_f = 1.1 \text{ W/(m}^2\text{K)}$
- Minimum requirement according to GEG2020: $U_w = 1.3 \text{ W/(m}^2\text{K)}$

U_g Glass (W/m ² K) according to EN 673	U_w lift and slide door (W/m ² K)		
	Type of edge spacer		
	Aluminium	KSD	PVC Ultimate
Double glazing	Psi = 0.066 (W/mK)	Psi = 0.041 (W/mK)	Psi = 0.032 (W/mK)
1.1	1.3 (1.29)	1.3 (1.25)	1.2 (1.23)
1.0	1.2 (1.22)	1.2 (1.17)	1.2 (1.16)
Triple glazing	Psi = 0.064 (W/mK)	Psi = 0.039 (W/mK)	Psi = 0.030 (W/mK)
0.7	1.0 (0.99)	1.0 (0.95)	0.9 (0.93)
0.6	0.8 (0.86)	0.8 (0.82)	0.8 (0.79)

U_w values < 1.0 W/(m²K) are shown with two decimal places in accordance with EN ISO 10077

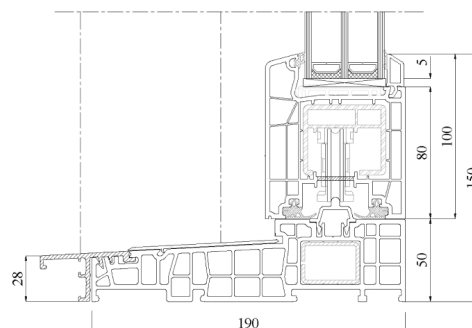
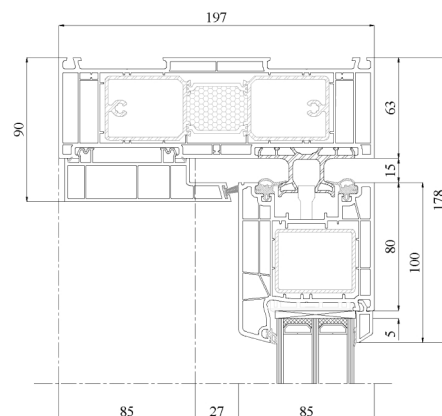
U_w values > 1.0 W/(m²K) are shown with one decimal place according to EN ISO 10077, here with two decimal places for information purposes

SOUND INSULATION

Reference size 3600 x 2300 mm
(Elements with test certificate)

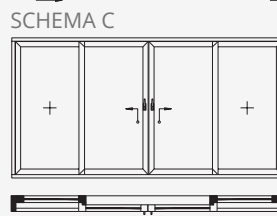
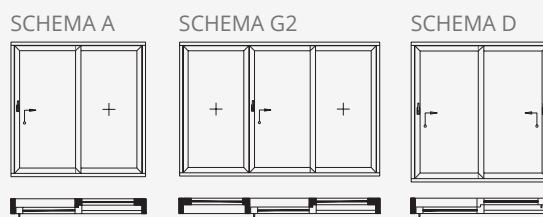
$R_w \triangleq R_{WP}$ = test value lift and slide door	Structure Triple glazing	R_{WP} = test value glass	Test certificate no.
33 dB	4/12Ar/4/12Ar/4	32 dB	14/03-A092-K1
39 dB	8/12Ar/4/12Ar/6	39 dB	14/03-A092-K2
44 dB	8VSGSi/12Ar/6/12Ar/8VSG	-	14/03-A092-K3

For Germany, the following applies according to DIN 4109:1989-11:
 R_w corresponds to R_{WP} ; $R_{WR} = R_{WP} - 2\text{dB}$



LIFT AND SLIDE DOOR IDEAL PREMIUM

POSSIBLE SCHEMAS:



POSSIBLE GLASS STRIPS:

STANDARD

