windows24.com

U_W-Value
≥ 0.89

DATA SHEET

Bi-folding door
IDEALU IV 68

- **Offset design**
- **68 mm construction depth**
- **Almost complete opening of the folding sashes**

Energy saving through new windows	
U_w value (old)	3.50 W/(m²K)
U_w value (new)	0.89 W/(m²K)
Window area	30 m²
Annual fuel oil savings	1035 litres
Annual carbon dioxide reduction	2,795 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:

- Smooth running of the sash thanks to ball-bearing rollers made of special uPVC
- High quality folding fitting
- Maintenance-free sash hinges due to uPVC bearings
- 2 locking bolts per sash
- Max. sash weight 130 kg

OPTIONAL:

- Aerocontrol magnetic contact for electronic monitoring
- Handicapped accessible threshold
- Integrated door gear, lockable from inside and outside

WOOD COLOURS

- Interior: all colours from Wood spectrum (wooden windows)
- Exterior: all colours of the wood-alu colour spectrum
- Colour fitting: white, F9, brown, only with cover caps

SOUND INSULATION

Tested to
Rw(C; Ctr) = 45 (-1, -4) dB

GLASS THICKNESS

From 24 mm to 42 mm

SEALS

- Centre sealing system
- 3 sealing levels, optional 4 (seal in the frame shell)
- Possible colours: black, graphite grey, brown, beige, white

Status 01/2023

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
- Minimum requirement according to GEG2020: $U_w = 1.3$ W/(m²K)

Spruce

U_w folding sliding door (W/m²K)

U_g Glass according to EN 673	**Frame U_f value**	**Insulating glass spacer alu**	**Insulating glass spacer KSD**
1.1	1.1	1.3	1.2
1.0	1.1	1.2	1.2
0.7	1.1	1.0	1.0 (0.95)
0.6	1.1	1.0 (0.97)	0.9 (0.89)

Pine, Larch, Meranti

U_w folding sliding door (W/m²K)

U_g Glass according to EN 673	**Frame U_f value**	**Insulating glass spacer alu**	**Insulating glass spacer KSD**
1.1	1.2	1.3	1.3
1.0	1.2	1.3	1.2
0.7	1.2	1.1	1.0 (0.99)
0.6	1.2	1.0	0.9 (0.93)

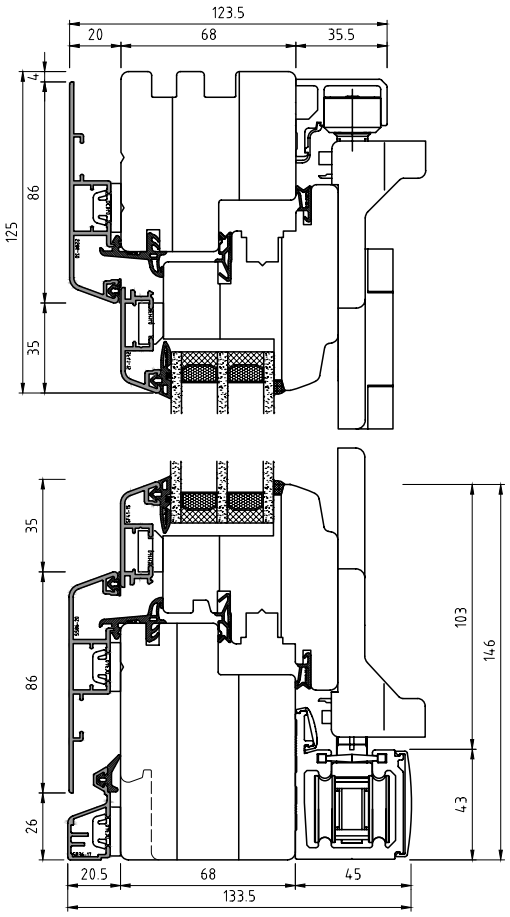
Oak, Eucalyptus

U_w folding sliding door (W/m²K)

U_g Glass according to EN 673	**Frame U_f value**	**Insulating glass spacer alu**	**Insulating glass spacer KSD**
1.1	1.5	1.4	1.4
1.0	1.5	1.4	1.3
0.7	1.5	1.2	1.1
0.6	1.5	1.1	1.0

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

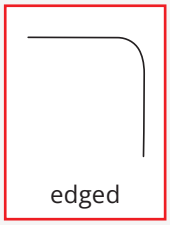
U_w values > 1.0 W/(m²K) are shown with one decimal place according to EN ISO 10077, here with two decimal places for information purposes



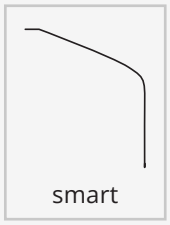
BI-FOLDING DOOR WOOD-ALU IDEALU IV 68

POSSIBLE GLASS STRIPS:

STANDARD



OPTIONAL



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