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DATA SHEET

MB-86

U_w-Wert ≥ 0.91

- **Flush design**
- **77 mm construction depth**
- **Available with double and triple glazing**

Energy saving through new windows	
U_w value (old)	3.50 W/(m²K)
U_w value (new)	0.91 W/(m²K)
Window area	30 m²
Annual fuel oil savings	1019 litres
Annual carbon dioxide reduction	2,753 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

PROFILE DESCRIPTION

- Glazing: Depending on your requirements, you can choose double or triple glazing
- Glass seal: The glass seal provides optimum protection against water ingress
- Sash design: The sash has a modern, flush design
- Glass strip: Ensures the required contact pressure between seals and glass
- Sealing levels: The two sealing levels ensure good thermal and sound insulation
- Profile chambers: The profiles are divided into several chambers in order to achieve good thermal insulation.
- Thermal insulation: A special thermal insulating intermediate layer creates a thermal break

COLOURS

- White RAL 9016,
  Anthracite grey RAL 7016,
  White aluminium RAL 9006
  Grey aluminium RAL 9007
- All alu special colours listed in the shop

GLASS THICKNESS

Frame: 13.5 – 61.5 mm
Sash: 21 – 70.5 mm

SEALS

- Black

As of 12/2022

SYSTEM VALUES

- Air permeability: Class 4 (according to EN 12207)
- Driving rain-proof: up to class E1200 (according to EN 12208)
- Water tightness against driving rain: up to class C5 (according to EN 12210)

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

THERMAL INSULATION

- Reference size 1230 x 1480 mm
- Minimum requirement according to GEG2020
  U_w = 1.4 W/(m²K)

U_w window (W/m²K)

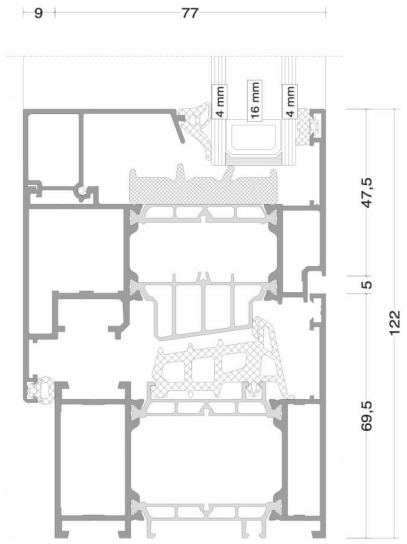
U_g Glass according to EN 673	**Frame Uf value**	**Insulating glass spacer alu**	**Insulating glass spacer KSD**	**Insulating glass spacer Swisspacer Ultimate**
1.1	1.4	1.4 (1.41)	–	1.3 (1.31)
1.0	1.4	1.3 (1.34)	–	1.2 (1.25)
0.7	1.4	1.1 (1.14)	–	1.0 (1.05)
0.6	1.4	1.1 (1.08)	–	1.0 (0.91)

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

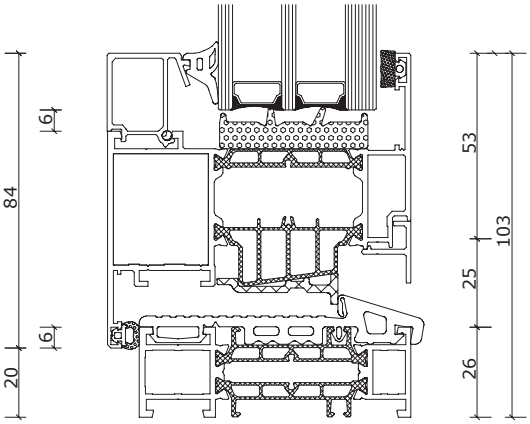
U_w values > 1.0 W/(m²K) are shown with one decimal place according to EN ISO 10077, here with two decimal places for information purposes

TECHNICAL DATA

Technical Data	MB-86
Frame depth (door / window)	77 mm
Sash depth (door / window)	86 mm
Glazing (fixed glazing frame and open window)	Frame: 13.5 – 61.5 mm Sash: 21 – 70.5 mm
Sash dimensions max. (HxW)	H up to 2800 mm / W up to 1700 mm



MB-86: FRAME WITH SASH



MB-86: BALCONY DOORS WITH FLAT THRESHOLD

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