

## DATA SHEET

# Lift and slide door MB-77 HI

U<sub>w</sub>-Wert  
≥ 1.14



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

### Energy saving through new windows

U <sub>w</sub> value (old)	3.50 W/(m <sup>2</sup> K)
U <sub>w</sub> value (new)	1.14 W/(m <sup>2</sup> K)
Window area	30 m <sup>2</sup>
Annual fuel oil savings	1079 litres
Annual carbon dioxide reduction	2,899 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

- Middle chamber filled with special insulating insert for increased thermal insulation
- Wide heat barriers, polyethylene inserts and uPVC profile
- Weatherproof with continuous mounted pane and compression seals
- Glass strips with closed shape for increased break-in protection
- Triple glazing up to U<sub>g</sub>-value 0.6 W/m<sup>2</sup>K
- Siegenia-Aubi HS-PORTAL 300KF\*
- Installation with corner coupling possible\*\*
- High level of basic security with two locking bolts as standard
- Thermal, safety and sound insulation glazing possible
- Smooth operation even with heavy sash weights
- Concealed locking technology with swivel hook gear
- High resistant to wind and driving rain
- Increased light exposure with a large glass surface

\* If the sash weight exceeds 300 kg, we use fittings from a manufacturer of the same or higher quality.

\*\*For special constructions with corner coupling, please contact our customer service department.

### 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

14 mm to 58 mm

### SEALS

- Black

### OPTIONAL

- Additional break-in protection with security fitting up to RC2 N
- Integrated door gear, lockable from inside and outside
- Lock monitoring according to VDI

## SYSTEM VALUES

- Air permeability: Class 4 (according to EN 12207)
- Driving rain-proof: Class 9A (according to EN 12208)
- Water tightness against driving rain:  
up to class C4 (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 requirements according to GEG 2020:  
 $U_w = 1.3 \text{ W/(m}^2\text{K)}$

$U_w$  window (W/m<sup>2</sup>K)

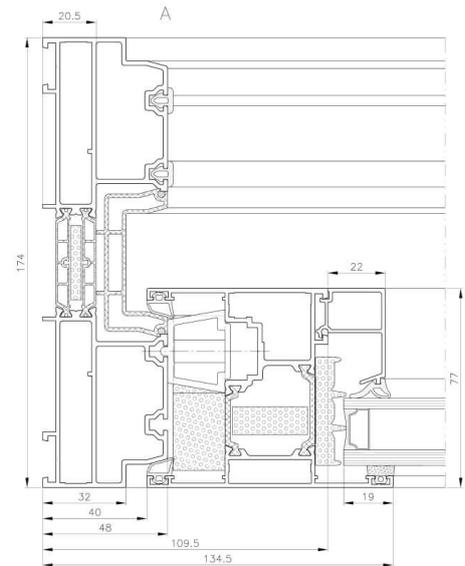
$U_g$ glass according to EN 673	Frame $U_f$ value	Insulating glass spacer alu	Insulating glass spacer KSD	Insulating glass spacer Swis- spacer Ultimate
1.1	1.8	1.6 (1.59)	-	1.5 (1.52)
1.0	1.8	1.5 (1.52)	-	1.4 (1.45)
0.7	1.8	1.3 (1.29)	-	1.2 (1.22)
0.6	1.8	1.2 (1.21)	-	1.1 (1.14)

$U_w$  values < 1.0 W/(m<sup>2</sup>K) are shown with two decimal places in accordance with EN ISO 10077

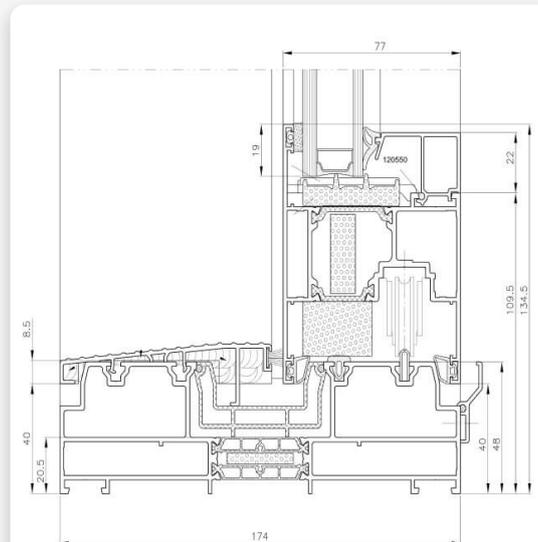
$U_w$  values > 1.0 W/(m<sup>2</sup>K) are shown with one decimal place according to EN ISO 10077, here with two decimal places for information purposes

## TECHNICAL DATA

Technical Data	MB-77 HI
Frame depth	174 mm (Profile with two running tracks)
Sash depth	77 mm
Glazing	13.5 mm – 58.5 mm
Visible profile width	
Frame min.	48 mm
Sash min.	94.5 mm – 105.5 mm



LIFT AND SLIDE DOOR MB-77 HI:  
FIXED SASH OUTSIDE LEFT



LIFT AND SLIDE DOOR MB-77 HI:  
THRESHOLD AT THE BOTTOM INSIDE  
WITH SLIDING SASH

## POSSIBLE SCHEMA:

### SCHEMA A

