

# SMOKE VENT ENERGY

## KAS CENTRE PIVOT SMOKE VENTILATION ROOF WINDOW



VARIANT	1600
<b>PANE</b>	
Construction	33.2-10-3HS-10-4H
Thickness of glazing (mm)	33
Low E	✓✓
Gas	Argon
Toughened	✓
Laminated	✓
U <sub>g</sub> (W/m <sup>2</sup> K)	0.81
Total solar energy transmittance	0.53
<b>WINDOW</b>	
U <sub>w</sub> (W/m <sup>2</sup> K)	1.1
Water tightness	E1200
Air permeability	Class 4
Resistance to wind load	C4*
Sound reduction	36 (-1,-3) dB
<b>COLOUR</b>	
Natural wood (KAS B1600)	✓
<b>CLASSIFICATION IN ACCORDANCE WITH THE PARAMETERS OF EN 12101-2</b>	
Reliability (Re)	Re 1000 + 10000
Snow load (SL)	SL 1000**
Low Temperature (T)	T (-15)
Wind load (WL)	WL 3000***
Heat Exposure (B)	B 300

\* M8A, S8A, U8A: no performance data, \*\* U8A size: SL 800, \*\*\* U8A size: WL 1500



NEXT 20 GUARANTEE



MAX PROTECT



THERMOSTAT



MASTER WOOD



SAFE GUARD

### APPLICABLE

- In common access areas of pitched roof buildings, such as stairwells, offices, etc.
- In roof pitch range of 15°-60°
- Suitable on all common roofings with proper flashing

### FEATURES

- Complete smoke-ventilation system.
- Smoke ventilation roof window (KAS) tested and certified according to EN 12101-2
- In case of fire opens to maximum position within 60 seconds
- Centre pivot wooden roof window
- Preinstalled opening motor
- Gas strut assisted opening
- Toughened outer glass
- Laminated internal safety glass
- Double gasket system between frame and sash
- Double Low-e coating
- Easy installation
- 10+10 year guarantee
- Optional wall switch available for comfort ventilation
- Optional rain sensor available for comfort ventilation
- Cannot be used for roof exit or escape purposes!

### MATERIAL

- Kiln-dried laminated pine wood
- Timber from FSC certified forests
- Fungicide protection
- Water based lacquer

### COVER PARTS

- Aluminium, lacquered, grey colour (RAL 7043)

### HINGE

- Pivot hinge



# TECHNICAL DATA

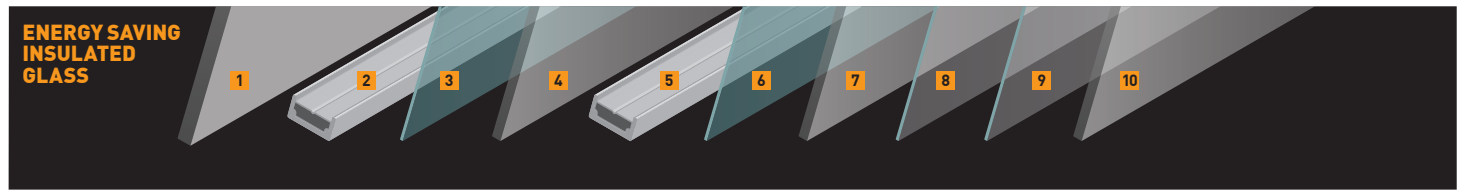
## MEASURES [cm]

CODE	NOMINAL SIZE	FRAME EXTERNAL SIZE		PANE SIZE		VISIBLE GLASS		
		WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	EFFECTIVE LIGHT AREA m <sup>2</sup>
KAS M4A	78x98	78	97.8	62.8	84.9	60.3	79	0.476
KAS M6A	78x118	78	117.8	62.8	104.9	60.3	99	0.597
KAS M8A	78x140	78	139.8	62.8	126.9	60.3	121	0.729
KAS S6A	114x118	114	117.8	98.8	104.9	96.3	99	0.953
KAS S8A	114x140	114	139.8	98.8	126.9	96.3	121	1.165
KAS U4A	134x98	134	97.8	118.8	84.9	116.3	79	0.919
KAS U8A	134x140	134	139.8	118.8	126.9	116.3	121	1.407

## FLASHING COMPATIBILITY TABLE

CODE	SLATE FLASHING with soaker elements 0-16mm [2x8mm]	SLATE FLASHING with one-piece element 0-16mm [2x8mm]	TILE FLASHING (16-50mm)	INTERLOCKING FLAT TILE FLASHING (0-16mm)	UNIVERSAL FLASHING (16-120mm)	STANDING SEAM FLASHING (max 40mm profile height)
KAS M4A	KSF M4A	KLS M4A	KTF M4A	KFT M4A	KUF M4A	KSS M4A
KAS M6A	KSF M6A	KLS M6A	KTF M6A	KFT M6A	KUF M6A	KSS M6A
KAS M8A	KSF M8A	KLS M8A	KTF M8A	KFT M8A	KUF M8A	KSS M8A
KAS S6A	KSF S6A	KLS S6A	KTF S6A	KFT S6A	KUF S6A	KSS S6A
KAS S8A	KSF S8A	KLS S8A	KTF S8A	KFT S8A	KUF S8A	KSS S8A
KAS U4A	KSF U4A	KLS U4A	KTF U4A	KFT U4A	KUF U4A	KSS U4A
KAS U8A	KSF U8A	KLS U8A	KTF U8A	KFT U8A	KUF U8A	KSS U8A

## PANE CONSTRUCTION



1: 4 mm toughened safety glass 2, 5: Argon gas filled cavity 3, 6: Heat reflecting coating 4: 3 mm heat-strengthened glass 7, 10: 3 mm float glass 8, 9: Two layers of tear resistant foil

## AVAILABLE SIZES [cm]

M4A	M6A	M8A	S6A	S8A	U4A	U8A
78x98	78x118	78x140	114x118	114x140	134x98	134x140



www.dakea.com

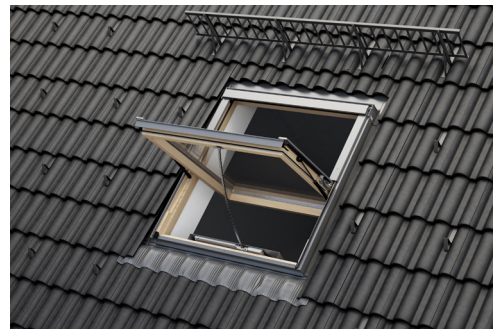
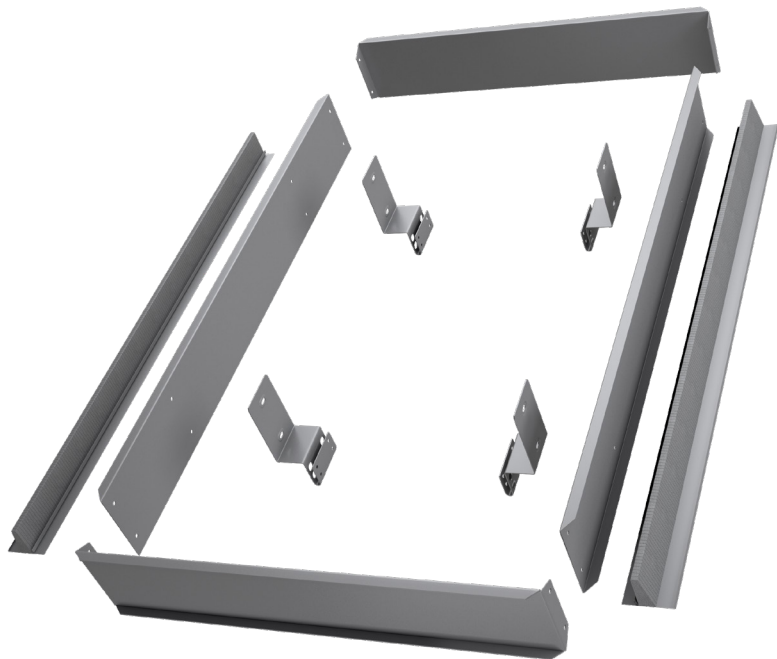


Roof windows for **smart professionals**

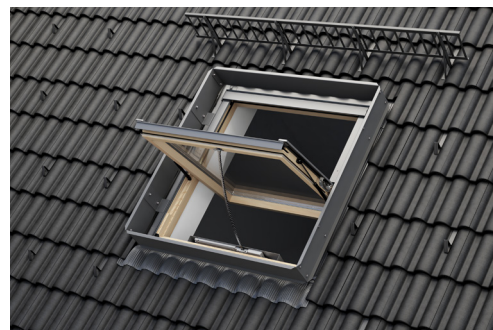
We reserve the right to change the technical specifications.

# WIND DEFLECTOR

KWU



KAS smoke ventilation window without wind deflector is used when geometrical area is legally required only.



KWU wind deflector should be used when aerodynamic free area is legally required. This may depend on the application and the local legislation.

MEASURES [CM]	M4A	M6A	M8A	S6A	S8A	U4A	U8A
Geometrical opening area, $A_v$ [m <sup>2</sup> ]	0.64	0.78	0.93	1.18	1.41	1.14	1.68
Aerodynamic area with wind deflector (KWU), $A_a$ [m <sup>2</sup> ]	0.38	0.44	0.51	0.54	0.63	0.5	0.69

## APPLICABLE

- Warehouses, assembly plants
- For construction projects in which an aerodynamic opening area is required.
- Extra side element with foam for high profile roofing materials

## MATERIAL

- Steel
- Powder coated grey, RAL7043

## AVAILABLE SIZES [CM]

M4A	M6A	M8A	S6A	S8A	U4A	U8A
78x98	78x118	78x140	114x118	114x140	134x98	134x140

