JET continous rooflight flaps

VELUX® Commercial

As SHEV flaps for an effective smoke and heat exhaust or usable as pure ventilation flaps for daily ventilation

Continous rooflight flaps

- depending on the rooflight order width we use the optimal flap system according to individual requirements.
- SHEV flap types for VARIO-NORM and VARIO-THERM rooflight series:
  Full flap 165° opening
  Side flap 130° opening
  Beam flap 130° opening
  Crown flap 165° opening
  Double flap 95° opening
- SHEV flap types for VARIO-THERM-S systems:
  Single flap (EKS-TH) 65° opening

Ventilation possibilities

Electrically activated (230 V/AC or 24 V/DC)
- surface-mounted/flush-mounted ventilation switch for motor opener
- motor opener with thrust spindle approx. 300/500 mm lifting height (other lifting heights possible)
- rain sensor or wind/rain sensor
- central closure control with timer

Pneumatically activated
- pneumatic lifting cylinder 300/500/750/1000/1250 mm lifting height
- pneumatic manual control valve
- Rain sensor or wind/rain sensor
- Central closure control with timer

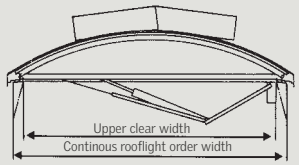
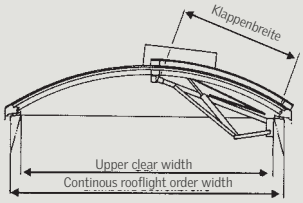
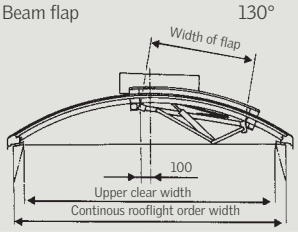
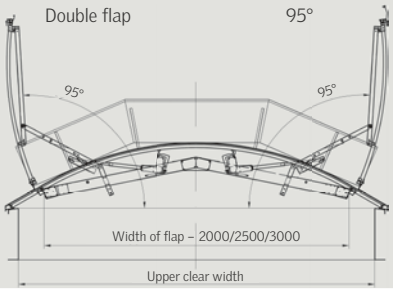
Double flap VARIO-THERM-DK 95°

VARIO-FIREJET® 65° single flap system (EKS) for EKS-TH 65° opening installed in saddle rooflight VARIO-THERM-S

***Note:** All systems are approved according to DIN EN 12101-2. All SHEV flap types can also be optionally used for daily ventilation when they are equipped with corresponding auxiliary devices.*

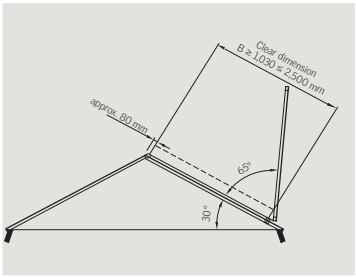
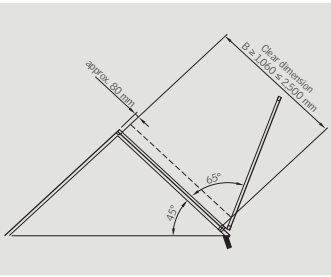
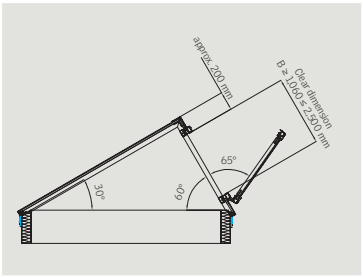
2.1.1 JET VARIO-THERM
2.1.2 JET VARIO-NORM
2.1.3 JET VARIO-THERM-S
6.2.2 JET continous rooflight full flaps

SHEV flaps for VARIO-NORM and VARIO-THERM continous rooflight systems

Flap type	Opening angle	Upper clear width of the fram	Width/Length	A_g	A_a
		cm	cm x cm	m²	m²
Full flap 	165°	100 to 250	b/100	1.000 bis 2.500	0.693 bis 1.980
		100 to 250	b/134	1.340 to 3.350	0.938 to 2.513
		100 to 250	b/204	2.040 to 5.100	1.530 to 3.825
Side flap 	130°	250 to 350	180/100	1.800	1.158
		250 to 350	180/204	3.672	2.387
		280 to 410	215/100	2.150	1.384
		280 to 410	215/204	4.386	2.851
		300 to 480	250/100	2.500	1.609
Beam flap 	130°	350 to 1,090	180/100	1.800	1.158
		350 to 1,090	180/204	3.672	2.387
		400 to 1,090	215/100	2.150	1.384
		400 to 1,090	215/204	4.386	2.851
		480 to 1,090	250/100	2.500	1.609
Double flap 	95°	200 to 600	200/100	2.000	1.480
		200 to 600	200/204	4.080	2.930
		250 to 600	250/100	2.500	1.880
		250 to 600	250/204	5.100	3.720
		300 to 600	300/100	3.000	2.310
		300 to 600	300/204	6.120	4.520

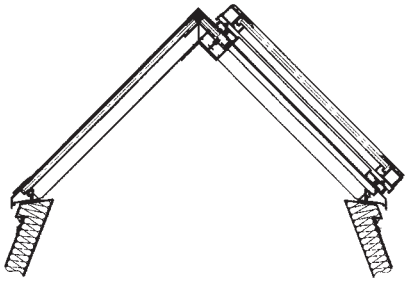
Note:
A_a values (aerodynamic effective opening surface) and
A_g values (geometrical surface)

SHEV flaps for VARIO-THERM-S continous rooflight series

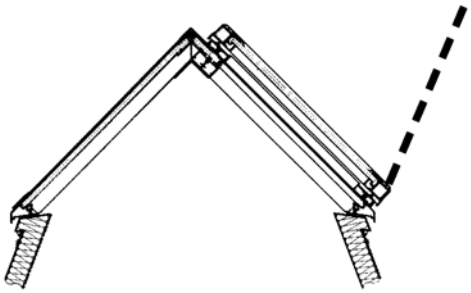
Inclination and sketch						
Flap type	Single flap EKS-TH		Single flap EKS-TH		Single flap EKS-TH	
Opening angle	65°		65°		65°	
Upper clear width of the frame	230 to 500		180 to 500		260 to 560	
Width of the flap (in cm)[1]	103 to 250		106 to 250		06 to 250	
Length of the flap (in cm)[1]						
	100	**204**	**100**	**204**	**100**	**204**
A_g (in m²)	1.030 to 2.500	2.101 to 5.100	1.060 to 2.500	2.152 to 5.100	1.000 to 2.500	2.100 to 5.100
A_a (in m²)	0.618 to 1.500	1.366 to 3.315	0.630 to 1.500	1.392 to 3.315	0.600 to 1.500	1.220 to 3.060

1) The flap size is dependent of the width of the continuous rooflight.

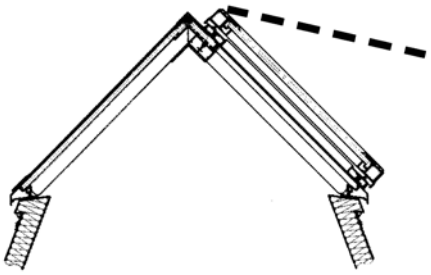
VARIO-FIREJET® 65° single flap system (EKS-TH)



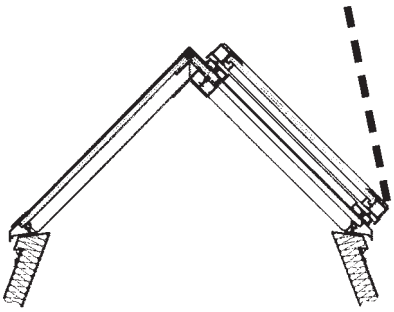
Fits perfectly into the VARIO-THERM-S saddle rooflights 30°/45°
with widths of 180 up to 520 cm



SHEV function with device VARIO-FIREJET® 65° J
Opening angle 65°

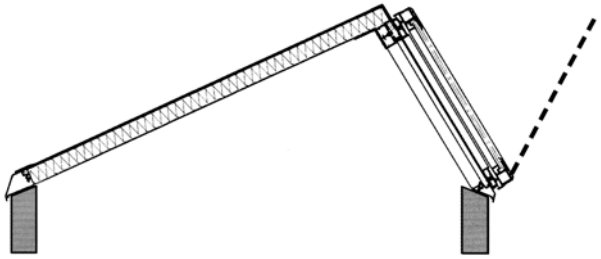


All-weather ventilation – a special EKS system application,
that can also be used as geometrical SHEV

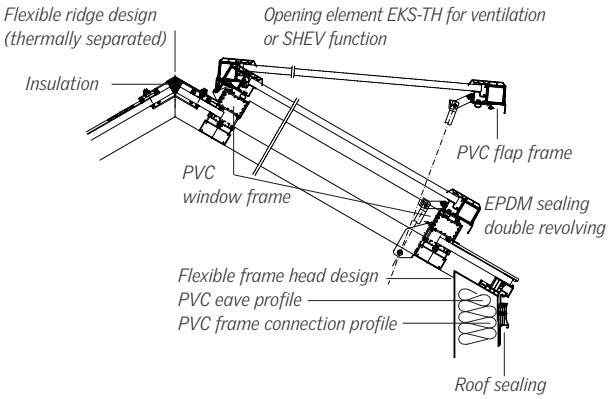


SHEV function with fair weather ventilation
Optional with e. g. VARIO-FIREJET® 65° JM device
Opening angle approx. 20°

VARIO-FIREJET® 65° EKS-TH
also ideally suited for integration in glass constructions and shed glazings provided by the customer



Installation into a shed system 30°/60°



Horizontal section of the EKS-TH system