

Continuous rooflight full flaps

VELUX®
Commercial


VARIO-FIREJET® 165 J AZ and VARIO-FIREJET® 165 J 24V/48V AZ are SHEV units for an effective smoke and heat exhaust according to DIN EN 12101-2 with the function "open/close"

VARIO-FIREJET® 165 J AZ, pneumatically activated SHEV device CO₂

- max. nominal size 250 x 204cm
- max. aerodynamic smoke exhaust surface: A_a -value = 3,575m²
- max. snow load SL 700 (depending on nominal size)
- dual function SHEV/ventilation in combination with compressed air or with electrical motor possible

Activation possibilities for the ventilation function:

VARIO-FIREJET® 165 J AZ, electrical activated with 230 V/AC motor

- upon/under plaster ventilation switch for motor opener
- motor opener with thrust spindle 300/500mm lifting height

Pneumatically activated:

- pneumatic lifting cylinder 300/500mm lifting height
- pneumatic manual control valve

For electrical and pneumatic activation:

- rain detector unit or wind/rain detector unit
- central-close-control with timer

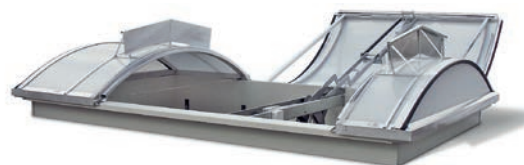
VARIO-FIREJET® 165 J 24V/48V AZ, electrical SHEV device

- max. nominal sizes: 200 x 204cm or 250 x 134cm
- max. aerodynamic smoke exhaust surface: A_a -value = 2,774m²
- for 48V/4A: snow load SL 700
- max. snow load SL 1250 (depending on flap size and temperature)
- for 24V/8A: snow load SL 600
- max. snow load SL 1000 (depending on flap size and temperature)
- max. temperature class T (-15)
- for 24V/6A or 48V/3A: snow load SL 500 and max. temperature class T (-05)

Activation possibilities for the ventilation function:

VARIO-FIREJET® 165 J 24V/48V AZ, electrically activated (24V/48V DC)

- dual function SHEV/ventilation with variable lifting heights
- central closing of the SHEV units with central control unit
- connection components to central building control integrated



EC Certificate of Conformity no. 1368-CPD-C 003/2011

Advantages of the 24V-technology:

- almost noiseless function
- daily ventilation without additional motor
- stepless ventilation possible
- easy maintenance
- short circuits and cable interruptions are detected immediately
- connection to central building control system
- aesthetic appealing because of flat design

System accessories electrical SHEV central RV 24V/48V

Performance features:

- standby current controlled system
- connection components for central building control integrated
- triggering of 2 SHEV-groups possible with one central control unit
- visible status indication
- inputs for detectors, buttons and sensors
- connection of several central control units possible by the use of bus system

Advantages of the 48V-technology:

- triggering of twice as many opening systems possible with one central control unit
- significant reduction of the installation effort
- cost saving due to much smaller cable cross sections
- effective reduction of project costs
- safety also in case of high snow loads
- integration of standard components (SHEV button, smoke detector, wind/rain sensor etc.)



A_a-Werte (aerodynamic effective smoke exhaust surface)

Full flap nominal width	Full flap length = 100 cm A _a -values m ²		Full flap length = 134 cm A _a -values m ²		Full flap length = 204 cm A _a -values m ²	
	VARIO-FIREJET® 165 J AZ	VARIO-FIREJET® 165 J 24V/48 V AZ	VARIO-FIREJET® 165 J AZ	VARIO-FIREJET® 165 J 24V/48 V AZ	VARIO-FIREJET® 165 J AZ	VARIO-FIREJET® 165 J 24V/48 V AZ
150	1,050	0,990	1,410	1,327	2,295	2,234
160	1,120	1,056	1,504	1,415	2,448	2,383
170	1,190	1,122	1,598	1,503	2,601	2,532
180	1,350	1,278	1,692	1,592	2,574	2,497
190	1,425	1,349	1,786	1,680	2,717	2,636
200	1,500	1,420	1,880	1,769	2,860	2,774
210	1,575	1,491	2,121	1,998	3,003	-
220	1,650	1,562	2,222	2,093	3,146	-
230	1,725	1,633	2,323	2,188	3,289	-
240	1,800	1,704	2,424	2,283	3,432	-
250	1,875	1,775	2,525	2,379	3,575	-