

Checklist SHEV – NSHEV – Electric Ventilation Systems

Gretsch-Unitas GmbH
Baubeschläge

Customer	_____		
Contact person	_____		
Telephone / Fax	_____	Project	_____
E-Mail	_____	Architect / Planning engineer	_____
Project location (City / Country)	_____		

1. Building details

Building height (in m)	_____	Snow load (in kN/m ²)	_____
Height between floors (in m)	_____	Wind load (in kN/m ²) (according to enclosed list)	_____
		Area of staircase (in m ²)	_____

2. Profile section / Profile number / Profile system (if possible with drawing / CAD)

3. Sash details (please indicate quantity)

Bottom-hung sash inward	_____	Bottom-hung sash outward	_____
Top-hung sash inward	_____	Top-hung sash outward	_____
Side-hung sash inward	_____	Side-hung sash outward	_____
Roof-light	_____	Miscellaneous	_____

4. Window specifications

External sash dimensions

External sash width (in mm)	_____	Outer sash height (in mm)	_____
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Sash weight (in kg)	_____ <i>alternatively</i>	Glass thickness (in mm)	_____
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Position: ☐ Lower than 2.5 m ☐ Higher than 2.5 m

Façade- / Roof pitch (in °)	_____	(if possible with drawing / CAD)
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Desired opening width (in mm)	_____ <i>or</i>	Desired opening angle (in °)	_____
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Mounting of the drives (if possible with drawing / CAD)

☐ Frame mounting ☐ Sash mounting ☐ Concealed mounting

5. Drive (customer requirement)

	SHEV / NSHEV (pcs.)	Ventilation 230V (pcs.)	Ventilation 24V (pcs.)	Stroke (mm)	Designation
Chain drive					K20, K25, KS30/40, K30, K35, K60
Spindle drive					S80, S160
Locking actuator					VA-1, VA-2, VA25, VAN, OA
Opening system					RWA 1000/1050/1100

6. SHEV supply air / Air vent opening (with drive TA60)

Door

Dimensions (in mm) _____

Quantity (in pcs) _____

☐ 1-leaf

☐ 2-leaf

Locking system

☐ Secury Automatic with A-opener

☐ E-opener

☐ Motor lock MS19

Window

Dimensions (in mm) _____

Opening type _____

Quantity (in pcs) _____

Weight (in kg) _____

7. Special requests / Specifics

8. Configuration of the central control units, ventilation groups and SHEV / NSHEV groups

☐ Ventilation

☐ SHEV

☐ NSHEV

Number of groups _____

Number of sashes / leafs resp. number of drives per group

Group 1	_____	Group 2	_____
Group 3	_____	Group 4	_____
Group 5	_____	Group 6	_____
Group 7	_____	Group 8	_____

Number of SHEV pushbuttons HSE (for manual alarm release)

Primary triggering device	Red (pcs)	Orange (pcs)	Yellow (pcs)	Blue (pcs)	Grey (pcs)
Emergency-Open-Close (with operation- and failure indication)					

Secondary triggering device
Emergency-Open (without operation- and failure indication)

Maximum distance between the drives and the central control unit (in m)

Ventilation switches

☐ Pushbutton	☐ Switch (230 V)
☐ Surface-mounted	☐ Flush-mounted
	☐ Key switch (flush-mounted)

Automatic triggering in case of an alarm

_____ pcs	Optical smoke detector (not suitable for use in areas exposed to dust)
_____ pcs	Heat detector (not suitable for use in areas exposed to direct sunlight and/or high room temperature)

Automatic closing / opening with

_____ pcs	Wind detector
_____ pcs	Rain detector

Connection of rain- / wind detectors to several control centres?

☐ Yes	☐ No
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SHEV control units (RZ)

(Please sum up the currents of the drives per group, in order to define the respective control unit)

Type	Quantity	Power	SHEV / Ventilation line	Dimensions (WxHxD) in mm
RZ 2 AP/UP		2 A	1 / 1	Kompakt (350x250x120)
RZ 5 AP/UP		5 A	1 / 1	Kompakt (350x250x120)
RZ 10/2 *)		10 A	2 / 2	Modular (500x500x200)
RZ 24/4 *)		24 A	4 / 4	Modular (600x600x250)
RZ 24/8 *)		24 A	8 / 8	Modular (800x800x250)
RZ 48/4 *)		48 A	4 / 4	Modular (600x600x250)
RZ 48/8 *)		48 A	8 / 8	Modular (800x800x250)
RZ 72/8 *)		72 A	8 / 8	Modular (800x800x250)

*) Batteries have to be ordered separately

Extension modules / Requests

Type	Wind-Rain	Automatic CLOSE	Runtime-/Lift limitation for ventilation drives
RZ 2 AP/UP	Optional	Optional	Optional
RZ 5 AP/UP	Inclusive	Inclusive	Inclusive
RZ 10/2	Optional	Optional	Inclusive
RZ 24/4 RZ 24/8	Optional	Optional	Inclusive
RZ 48/4 RZ 48/8 RZ 72/8	Optional	Optional	Inclusive

The relay cards (to forward potential-free signals) and maintenance cards are optionally available for all types.

Indication labels with the inscription

Smoke vent _____ pcs

Ventilation _____ pcs

Are CAD drawings available?

☐ Yes

☐ No

Annex

Wind force	Description	m/s (upper limit)	km/h (upper limit)	Wind load [kN/m ²]
1	Light air	1,5	5,4	0,0016
2	Light breeze	3,3	11,88	0,0077
3	Gentle breeze	5,4	19,44	0,2007
4	Moderate breeze	7,9	28,44	0,0444
5	Brisk wind	10,7	38,52	0,0814
6	Strong breeze	13,8	49,68	0,1354
7	Near gale	17,1	61,56	0,2079
8	Gale	20,7	74,52	0,3047
9	Strong gale	24,4	87,84	0,4234
10	Storm	28,4	102,24	0,5736
11	Violent storm	32,6	117,36	0,7558
12	Hurricane	35	126	0,8712
13	50 year storm	41	147,6	1,1954