





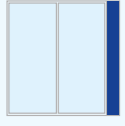


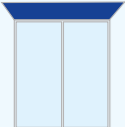


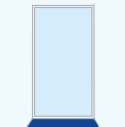

**TROX<sup>®</sup> TECHNIK**  
The art of handling air

**Decentralised ventilation**



Variety at a glance

# DECENTRALISED VENTILATION UNITS – VARIETY AT A GLANCE

Installation location	Technical details		Façade ventilation units for offices and small meeting rooms Volume flow rate range from 50 to 150 m³/h				SCHOOLAIR units for schools, kindergartens and large meeting rooms Volume flow rate range from 150 to 600 m³/h						
			Standard FSL-B-ZAB/SEK	Frame solution FSL-B-ZAB		SCHOOLAIR-B	SCHOOLAIR-B-HE	SCHOOLAIR-B-HV	SCHOOLAIR-V-2L	SCHOOLAIR-V-4L	SCHOOLAIR-V-1800	SCHOOLAIR-V-HE	SCHOOLAIR-V-HV
 <b>Under a sill (horizontal installation)</b>	Dimensions (W x H x D)	[mm]			1085 x 630 x 320								
	Volume flow rate range	[m³/h]	60 - 150		60 - 150		150 - 320	150 - 400	250 - 600				
	Total heating capacity *1)	[W]	2400		2700		5800	3400	6500				
	Heating capacity per room	[W]	800		800		1700	2650	3800				
	Total cooling capacity *2)	[W]	700		700		1400	1750	1600				
	Cooling capacity per room	[W]	330		320		800	1000	1200				
	Heat recovery	[%]	50		50		55	82	75				
	Power consumption *3)	[W]	23		20		38	75	93				
	Sound pressure level *4)	[dB(A)]	22 - 30		27 - 37		21 - 35	25 - 41	19 - 42				
 <b>Next to a window (vertical installation)</b>	Dimensions (W x H x D)	[mm]		Standard FSL-V-ZAB/SEK	Project solutions				SCHOOLAIR-V-2L	SCHOOLAIR-V-4L	SCHOOLAIR-V-1800	SCHOOLAIR-V-HE	SCHOOLAIR-V-HV
	Volume flow rate range	[m³/h]		400 x 1800 x 320	FSL-V-ZAB Type I	FSL-V-ZAB Typ II	FSL-V-ZAB- Typ III		397 x 2160 x 359	397 x 2350 x 359	600 x 1800 x 359	600 x 2000 x 408	600 x 2200 x 408
	Total heating capacity *1)	[W]		60 - 150	60 - 180	90 - 150	60 - 120		150 - 320	150 - 320	150 - 350	150 - 360	250 - 600
	Heating capacity per room	[W]		2460	2740	2650	1470		5470	5760	5630	3100	6500
	Total cooling capacity *2)	[W]		471	772	691	isotherm		1422	1680	1005	2250	3800
	Cooling capacity per room	[W]		688	692	689	650		-	1440	1590	1685	1750
	Heat recovery	[%]		406	406	406	321		-	850	935	965	1470
	Power consumption *3)	[W]		52	60	52	52		46	46	54	84	75
	Sound pressure level *4)	[dB(A)]		27	25	38	34		44	45	46	42	82
		19 - 36	19 - 36	14 - 32	20 - 32	23 - 38	27 - 40	23 - 39	28 - 42	19 - 42			
 <b>Ceiling</b>	Dimensions (W x H x D)	[mm]		FSL-D-ZAB/SEK-2L	FSL-D-ZAB/SEK-4L			SCHOOLAIR-D-2L	SCHOOLAIR-D-4L				
	Volume flow rate range	[m³/h]		1690 x 400 x 800	1690 x 400 x 800			1690 x 400 x 800	1690 x 400 x 800				
	Total heating capacity *1)	[W]		50 - 300	50 - 300			150 - 300	150 - 300				
	Heating capacity per room	[W]		5720	5720			5720	5720				
	Total cooling capacity *2)	[W]		1530	1530			1530	1530				
	Cooling capacity per room	[W]		-	1350			-	1350				
	Heat recovery	[%]		-	800			-	800				
	Power consumption *3)	[W]		55	55			55	55				
	Sound pressure level *4)	[dB(A)]		26	27			51	52				
		26 - 38	26 - 38		26 - 38	26 - 38							
 <b>Underfloor</b>	Dimensions (W x H x D)	[mm]		FSL-U-ZAS									
	Volume flow rate range	[m³/h]		1100 - 1500 x 150/ 196 - 300 x 830									
	Total heating capacity *1)	[W]		60 - 120									
	Heating capacity per room	[W]		1100									
	Total cooling capacity *2)	[W]		525									
	Cooling capacity per room	[W]		377									
	Heat recovery	[%]		280									
	Power consumption *3)	[W]		55									
	Sound pressure level *4)	[dB(A)]		37									
		20 - 35											

The values in this overview are based on:

\*1) Sizing data: Standard fresh air temperature, supply air temperature: 40 °C, max. volume flow rate

\*2) Sizing data: Standard fresh air temperature, supply air temperature: 18 °C, max. volume flow rate

\*3) With nominal volume flow rate

\*4) Room attenuation: 8 dB(A)

For more information on our façade ventilation units please refer to our brochure 'Decentralised ventilation – Façade ventilation systems for new and refurbished offices, schools and children's daycare facilities'.

Do you need additional information for specific projects?  
Give us a call! We have solutions!





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