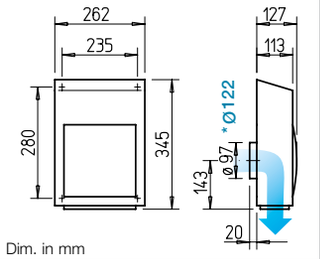
AV

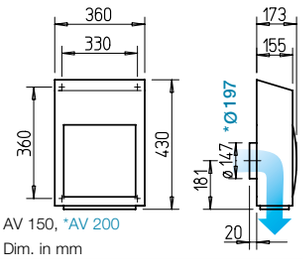


Dimensions AV 100 / AV 125



Dim. in mm

Dimensions AV 150 / AV 200



AV 150, *AV 200

Dim. in mm

Designed for external wall installation for the ventilation of all small and medium-sized rooms. Suitable for a number of applications in residential, commercial and industrial buildings.

Powerful, efficient centrifugal fans allow the connection of duct systems and overcome resistances from filters and system components. The unit is the ideal solution for the extract ventilation of domestic kitchens because the annoying noises from extraction hoods are minimised. This also applies for other applications and the connection of duct systems because the fan noise moves outside. Ideal for retrofitting in renovations and conversions.

Special features

- No disturbing fan noises inside the rooms due to external wall installation.
- Easy and cost-effective installation through anchoring of the operational unit.
- Weatherproof casing. Tight-closing shutter blades with spring return.
- Connectors according to standard duct Ø for connection to wall duct or duct system.
- Solid base plate made of plastic also allows installation on uneven surfaces.
- Electrical supply line can be flush-mounted from behind or surface-mounted from the side.

Casing

- Waterproof cover hood made of galvanised steel sheet, powder-coated, alpine white.
- Outlet-side bird protection grille and two shutter blades with spring return.

Power control

All models come with three power levels as standard. Continuously variable with electronic controllers or 5 step transformers.

Drive

Enclosed, ball bearing mounted motor with humidity protection, insulation class F, for continuous operation, maintenance-free and radio interference-free.

Motor protection

Motor protected by thermal overload protection in the winding.

Impeller

Energy-efficient centrifugal impeller with backward curved blading made of plastic, dynamically balanced.

Note

The fan may only be commissioned if impeller contact protection according to DIN EN ISO 13857 is provided.

Noise

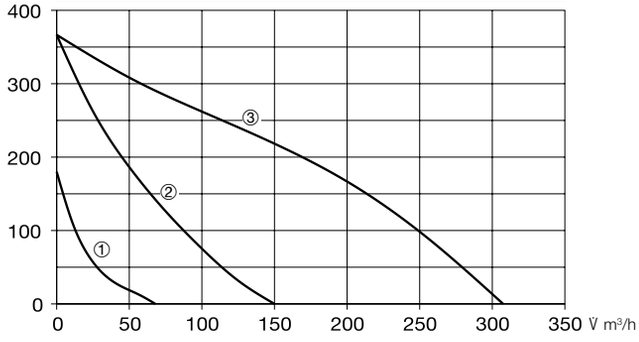
The total level and range for the sound power level are specified above the performance diagram. The sound pressure at 3 m (free field conditions) is also specified in the type table.

Reference	Page
Speed controllers, controllers & turn-off delay switches	599 ff.

Type	Ref. no.	Connection Ø	Max. flow rate	Max. speed	Max. sound press. level case-radiated	Voltage 50 Hz	Max. power consumption	Max. current consumption	Wiring diagram	Max. air flow temperature	Weight net approx.	Transformer speed controller 5-step	
		mm	V̇ m³/h	min⁻¹	dB(A) at 3 m	Volt	W	A	No.	+ °C	kg	**Type**	Ref. no.
AV 100	02654	100	310/150/70	2710/2050/1190	46/38/26	230	55/28/13	0.24/0.13/0.05	1386	60	4.6	**TSW 1.5**	01495
AV 125	02655	125	360/170/80	2471/1510/930	45/38/25	230	54/26/13	0.24/0.12/0.06	1386	60	4.6	**TSW 1.5**	01495
AV 150	02656	150	620/330/210	2520/1520/1070	50/43/33	230	100/57/40	0.44/0.25/0.18	1386	55	8.3	**TSW 1.5**	01495
AV 200	02657	200	680/350/240	2530/1970/1450	51/37/35	230	100/53/40	0.44/0.23/0.18	1386	55	8.3	**TSW 1.5**	01495

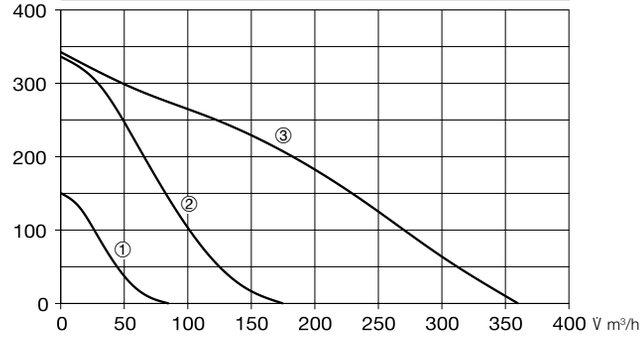
Performance curve AV 100

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise Level ①	dB(A)	64	40	57	60	59	53	46	38
L_{WA}	Air noise Level ②	dB(A)	56	34	45	51	51	48	41	33
L_{WA}	Air noise Level ③	dB(A)	44	43	30	31	33	23	22	21



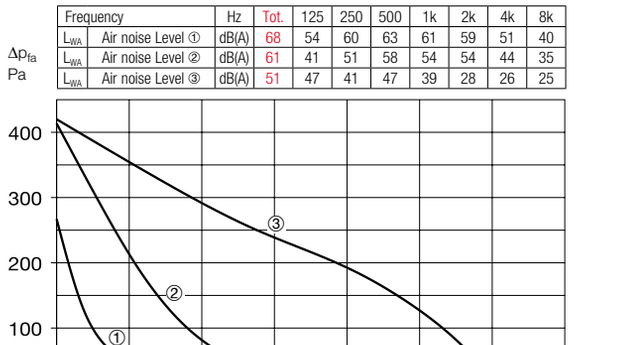
Performance curve AV 125

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise Level ①	dB(A)	63	40	59	58	56	55	47	40
L_{WA}	Air noise Level ②	dB(A)	56	34	46	50	51	49	40	37
L_{WA}	Air noise Level ③	dB(A)	43	40	32	37	30	23	21	20



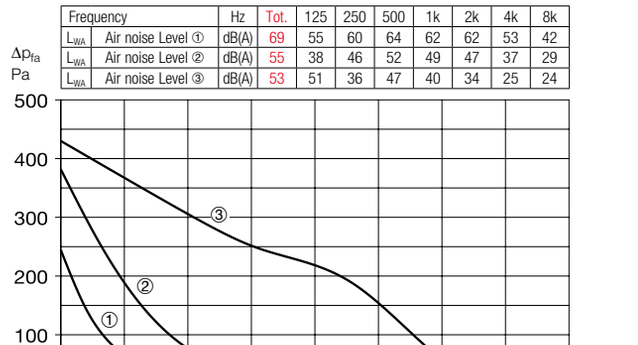
Performance curve AV 150

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise Level ①	dB(A)	68	54	60	63	61	59	51	40
L_{WA}	Air noise Level ②	dB(A)	61	41	51	58	54	54	44	35
L_{WA}	Air noise Level ③	dB(A)	51	47	41	47	39	28	26	25



Performance curve AV 200

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise Level ①	dB(A)	69	55	60	64	62	62	53	42
L_{WA}	Air noise Level ②	dB(A)	55	38	46	52	49	47	37	29
L_{WA}	Air noise Level ③	dB(A)	53	51	36	47	40	34	25	24



Accessories

Transformer speed controller
TSW 1.5 Ref. no. 01495

Five-step, for surface installation.
1~ alternating current, 230 V.

Max. load 1.5 A
Wiring diagram no. 1494
Dim. mm W 115 x H 205 x D 100



Electronic speed controller
ESU 1 Ref. no. 00236

For flush-mounted installation.
Front and rotary knob made of white plastic. Installation in standard flush-mounted box. Operation indicator via light ring.

Max. load 1 A.
Minimum load 0.15 A
Protection category (built-in) IP30
Wiring diagram no. 556.1
Dim. mm W 80 x H 80 x D 21 protr.



Three-step speed and operating switch with 0 position
DSZ Ref. no. 01598

Convenient flush-mounted speed switch for fans with three performance levels. Room light cannot be switched in parallel. Can be used with central ventilation box ZEB EC.

Load capacity AC 3 / 2.2 kW, AC 15 / 6 A
Protection category IP 20
Install. in flush-m. box w/ 55 mm depth
Wiring diagram no. 735
Dimensions mm W 80 x H 80 x D 23



Electronic speed controller
ESA 1 Ref. no. 00238

For surface installation.
White plastic casing, operation indicator via light ring in rotary knob.

Max. load 1 A.
Minimum load 0.15 A
Protection category IP40
Wiring diagram no. 556.1
Dimensions mm W 80 x H 80 x D 65



	Electronic speed controller, contin. variable flush / surface-mounted		Speed controller, 3-step flush-mounted	
	Type	Ref. no.	**Type**	Ref. no.
	ESU 1/ESA 1	00236/00238	**DSZ**	01598
	ESU 1/ESA 1	00236/00238	**DSZ**	01598
	ESU 1/ESA 1	00236/00238	**DSZ**	01598
	ESU 1/ESA 1	00236/00238	**DSZ**	01598