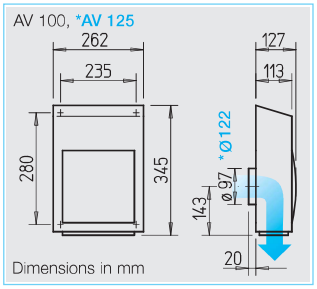
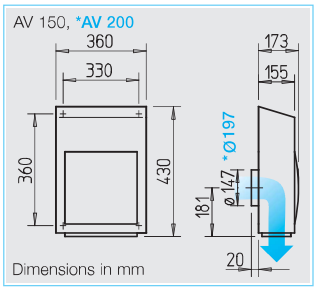
AV





Application

Designed for the external wall installation to ventilate smaller to medium-sized rooms. Suitable for use in industrial, commercial and domestic rooms.

High pressure, efficient centrifugal fans allow the connection to circular ducting and to overcome resistances of filters and system components. Perfect solution to ventilate apartment kitchens, since there is no noise of kitchen hoods. This also applies with other applications ducting, since the fan noise is transferred to the outside. Perfect for additional installation with renovation and rebuilding.

Special features

- ☐ No disturbing fan noises indoors through external wall installation.
- ☐ Simple and economic assembly by bolting in place of operative unit.
- ☐ Weather-proof casing. Tight closing air steam-operated shutters with spring reset.
- ☐ Connecting spigot according to standard duct diameter for connection to wall duct or ducting.
- ☐ Solid base plate from polymer makes an assembly on uneven surfaces possible.
- ☐ Electrical supply cables to the unit may be recessed or surface mounted.

Casing

- ☐ Weather-proof casing made from galvanised sheet steel, powder coated in alpine white.
- ☐ Bird guard and two air operated louvers with spring mechanism for closing at the extract point.

Speed control

stepless by the use of electronic controller or 5-stepped by transformer controller.

Motor

Totally enclosed motor with ball bearings, impregnated windings, insulation class F, designed for continuous operation, maintenance free and interference-free.

Motor protection

Thermal contacts fitted as standard.

Impeller

Energy-saving centrifugal impeller with backward curved blades from polymer, dynamically balanced.

☐ Information

Start-up of the fan is only permitted, if protection against accidental contact of impeller is given according to DIN EN ISO 13857.

Sound level

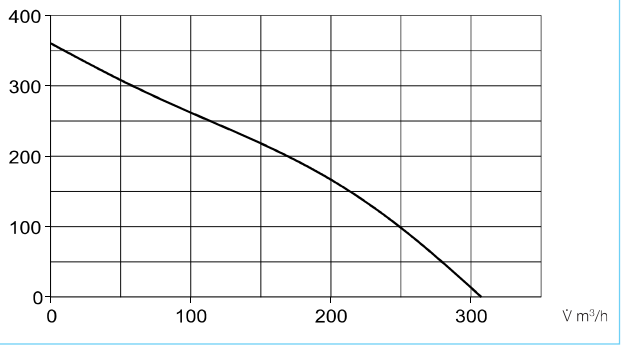
Total sound power levels and the spectrum figures in dB(A) for low and high speed are given above the performance curves. The sound emission figure is given as a sound pressure level at 3 m distance (freefield conditions) in the technical data table.

☐ Note	Page
Speed controller, switch and overrun timer	525 on

Type	Ref. no.	Connection Ø	Max. air flow volume	Max. rehza	Max. Sound press level sound emission	Voltage 50 Hz	Max. power consumption	Max. current	Wiring diagram	Max. air flow temperature	weight net approx.	5 step transformer controller		Electronical speed controller, stepless flush / surface	
		mm	V̇ m³/h	min⁻¹	dB (A) in 3 m	Volt	W	A	No.	+ °C	kg	Type	Ref. no.	Type	Ref. no.
AV 100	2654	100	310	2710	46	230	55	0.24	937.2	60	5.0	**TSW 1,5**	1495	**ESU 1/ESA 1**	0236/0238
AV 125	2655	125	360	2470	45	230	54	0.24	937.2	60	5.0	**TSW 1,5**	1495	**ESU 1/ESA 1**	0236/0238
AV 150	2656	150	620	2520	50	230	100	0.44	937.2	55	8.3	**TSW 1,5**	1495	**ESU 1/ESA 1**	0236/0238
AV 200	2657	200	680	2530	51	230	100	0.44	937.2	55	8.3	**TSW 1,5**	1495	**ESU 1/ESA 1**	0236/0238

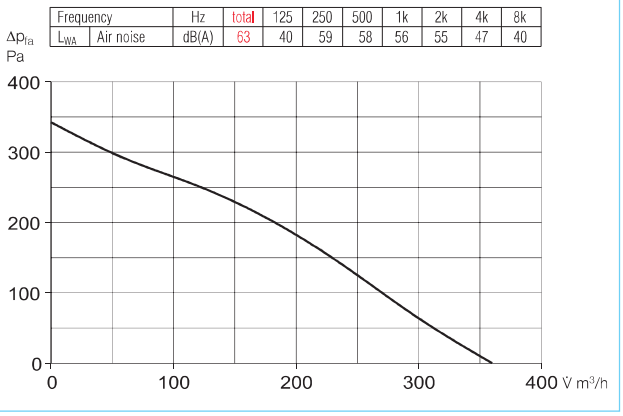
AV 100

Frequency		Hz	total	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	64	40	57	60	59	53	46	38



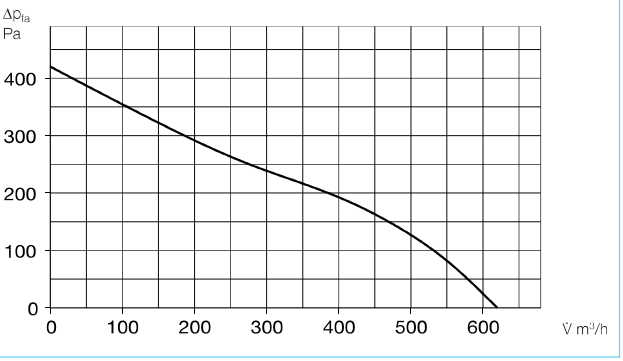
AV 125

Frequency		Hz	total	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	63	40	59	58	56	55	47	40



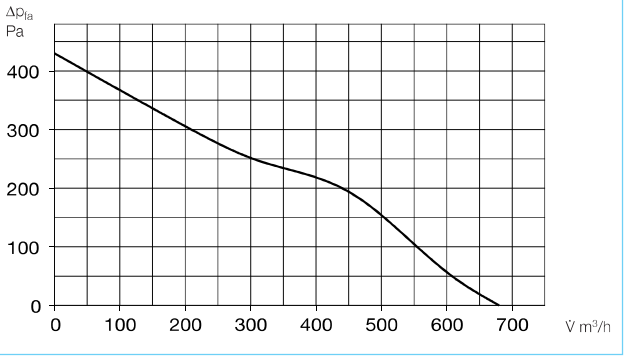
AV 150

Frequency		Hz	total	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	68	54	60	63	61	59	51	40



AV 200

Frequency		Hz	total	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	69	55	60	64	62	62	53	42



Accessories

Transformer controller
Type TSW 1,5 Ref. no. 1495
Five step transformer speed controller for surface mounting.
1. phase, 230 V.
Max. load 1,5 A
Wiring diagram no. 437.1
Dim. mm W 154 x H 200 x D 79

Electronic speed controller
Type ESU 1 Ref. no. 0236
For flush mounting.
White polymer casing and ring.
Installation in standard gang box behind switch. Operation display via illuminated ring.
Max. load 1 A.
Minimum load 0.15 A
Protection to (installed) IP 30
Wiring diagram no. 556.1
Dim. mm W 80 x H 80 x D 21 protr.

Electronic speed controller
Type ESA 1 Ref. no. 0238
White polymer casing. Operation display via illuminated ring in control knob.
Max. load 1 A.
Minimum load 0.15 A
Protection to IP 40
Wiring diagram no. 556.1
Dim. mm W 80 x H 80 x D 65