

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**

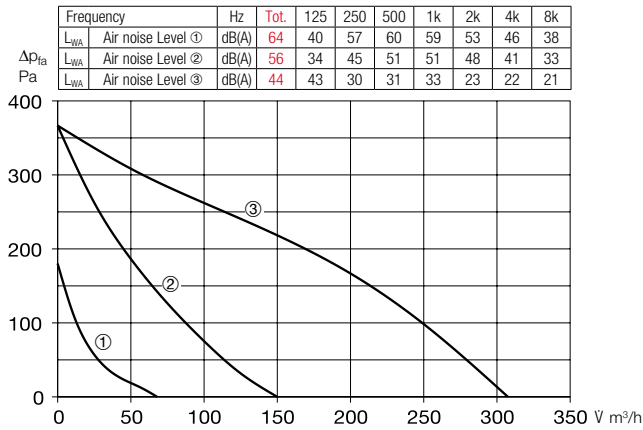
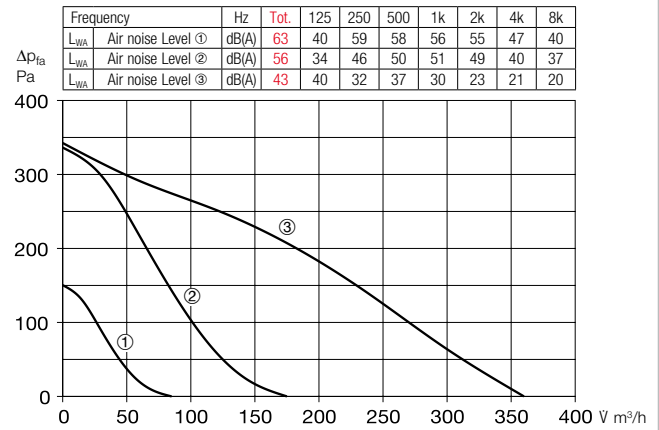
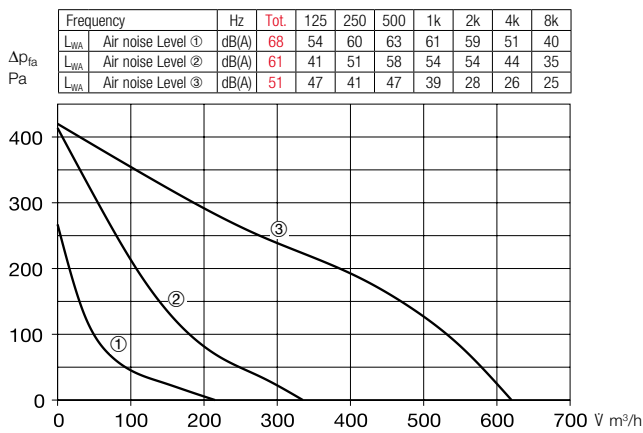
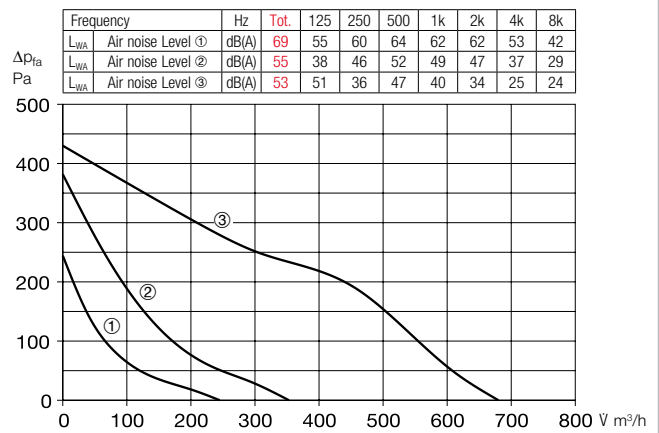
Energy-efficient centrifugal impeller with backward curved blading made of plastic, dynamically balanced.
- **Note**

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.	Conne- tion 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	Type	Ref. no.
		mm	ṽ m³/h	min ⁻¹	dB(A) at 3 m	Volt	W	A	No.	+ °C	kg			
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

Performance curve AV 125

Performance curve AV 150

Performance curve AV 200

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



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 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.



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