J11 · RESIDENTIAL BATHROOM FANS

AS-AUTO

Residential Automatic Shutter Ventilation Fans



AS-AUTO ventilation fans are bathroom exhaust fans for wall applications, suitable for connection to ventilation ducts. They are equipped with automatic shutters that open independently when the fan is switched on; in the closed position the shutters block the airflow and prevent backdraft.

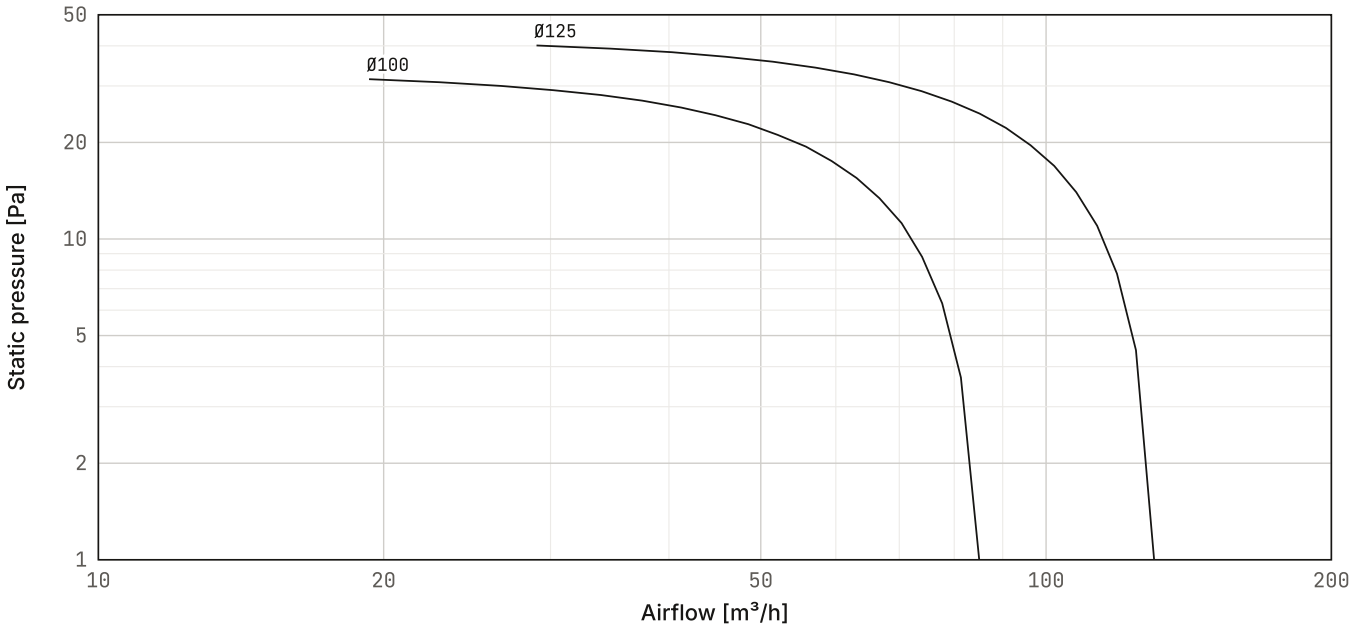
A thermal actuator opens and closes the shutters smoothly 45 seconds after the fan is switched on or off. The fans have a round duct connection in Ø100 and Ø125 mm and a plastic impeller; air discharge can be horizontal or vertical.

The direct-drive fans use 2-pole synchronous motors with class F insulation and IP44 protection, totally enclosed fan-cooled (TEFC) and rated for S1 and S2 duty. Supply is 230 V single-phase; versions for 50 Hz and 60 Hz are available. The motors are outside the scope of IE efficiency classification. Operating air temperature: −20 °C to +40 °C. Standard: IEC CB 60335-2-80.

AIRFLOW UP TO	STATIC PRESSURE UP TO	IMPELLER Ø	MOTOR POWER
130 m³/h	42 Pa	100 – 125 mm	0.01 – 0.02 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
2,700 min⁻¹	230 V 1~ · 50 Hz	40°C	IP44 · F

Selection chart

50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



Technical data 50 Hz

Model	Ø [mm]	Motor [kW]	Speed [min⁻¹]	Supply	I [A]	Max. airflow [m³/h]	Max. pressure [Pa]	LpA 1 m [dB(A)]
AS-AUTO 100	100	0.01	2,700	230 V 1~	0.1	85	33	35
AS-AUTO 125	125	0.02	2,700	230 V 1~	0.1	130	42	36

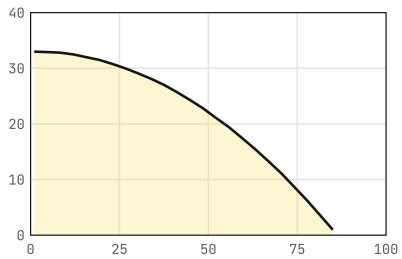
Dimensions [mm]

Model	A	B	C	D	E	F	G
AS-AUTO 100	160	140	140	120	30	62	100
AS-AUTO 125	188	160	160	140	30	66	125

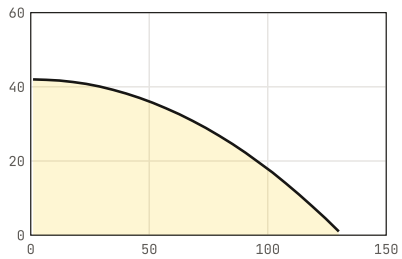
Performance curves

Static pressure [Pa] vs airflow [m³/h], standard motor, 1.204 kg/m³.

AS-AUTO 100 — 2,700 min⁻¹ · 0.01 kW



AS-AUTO 125 — 2,700 min⁻¹ · 0.02 kW



Sound power level Lw [dB] per octave band

casing radiated · 63–8000 Hz

Model	63	125	250	500	1k	2k	4k	8k	Total	LpA 1 m [dB(A)]
AS-AUTO 100	21	32	47	46	47	45	42	37	**53**	35
AS-AUTO 125	22	33	48	47	48	46	43	38	**54**	36

Notes

Sound pressure level at 1 m (free field) from the AEROMIS product database.
2 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.