J05 · RESIDENTIAL BATHROOM FANS

AS-GENTLE

Residential Wall and Ceiling Ventilation Fans



AS-GENTLE ventilation fans are exhaust fans for wall and ceiling applications in bathrooms. They are suitable for connection to ventilation ducts or air ducts and are characterized by low energy consumption.

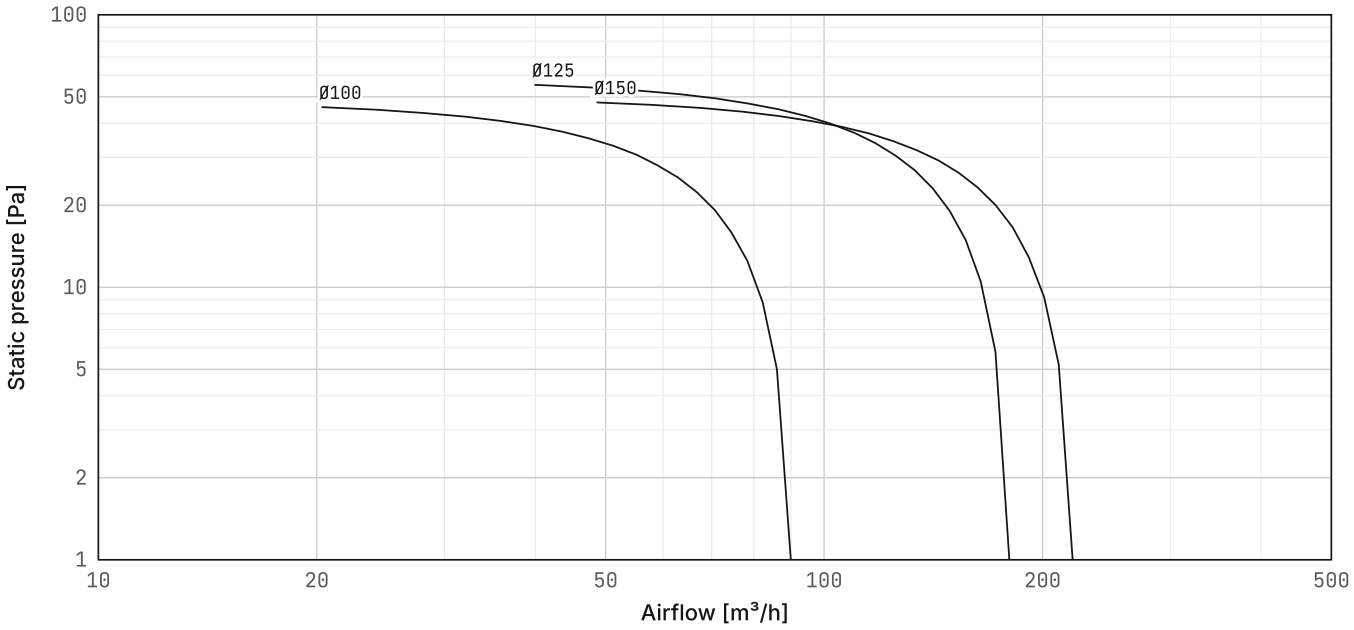
The fans have a round flange connection and are available in Ø100, Ø125 and Ø150 mm sizes, with a plastic impeller. They can be mounted on the wall or on the ceiling, with horizontal or vertical air discharge.

The low-noise ball bearing motors offer a long service life of up to 40,000 hours. 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
220 m³/h	58 Pa	100 – 150 mm	0.01 – 0.02 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
2,000 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-GENTLE 100	100	0.01	2,000	230 V 1~	0.0	90	48	25
AS-GENTLE 125	125	0.01	2,000	230 V 1~	0.1	180	58	30
AS-GENTLE 150	150	0.02	2,000	230 V 1~	0.1	220	50	33

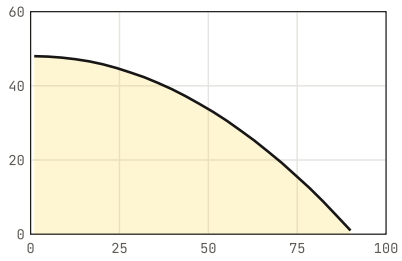
Dimensions [mm]

Model	A	B	C	D	E	F
AS-GENTLE 100	155	135	70	24	100	7
AS-GENTLE 125	175	155	78	24	125	9
AS-GENTLE 150	205	184	108	28	150	0

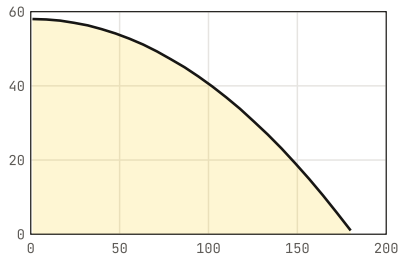
Performance curves

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

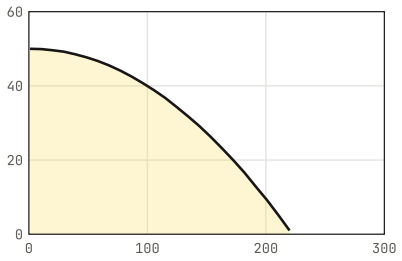
AS-GENTLE 100 — 2,000 min⁻¹ · 0.01 kW



AS-GENTLE 125 — 2,000 min⁻¹ · 0.01 kW



AS-GENTLE 150 — 2,000 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-GENTLE 100	11	22	37	36	37	35	32	27	**43**	25
AS-GENTLE 125	16	27	42	41	42	40	37	32	**48**	30
AS-GENTLE 150	19	30	45	44	45	43	40	35	**51**	33

Notes

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