J04 · RESIDENTIAL BATHROOM FANS

AS-FRESH

Residential Wall and Ceiling Ventilation Fans



AS-FRESH ventilation fans are exhaust fans for wall and ceiling applications in bathrooms. They are suitable for connection to ventilation ducts or air ducts and feature an elegant design with a slightly curved face panel.

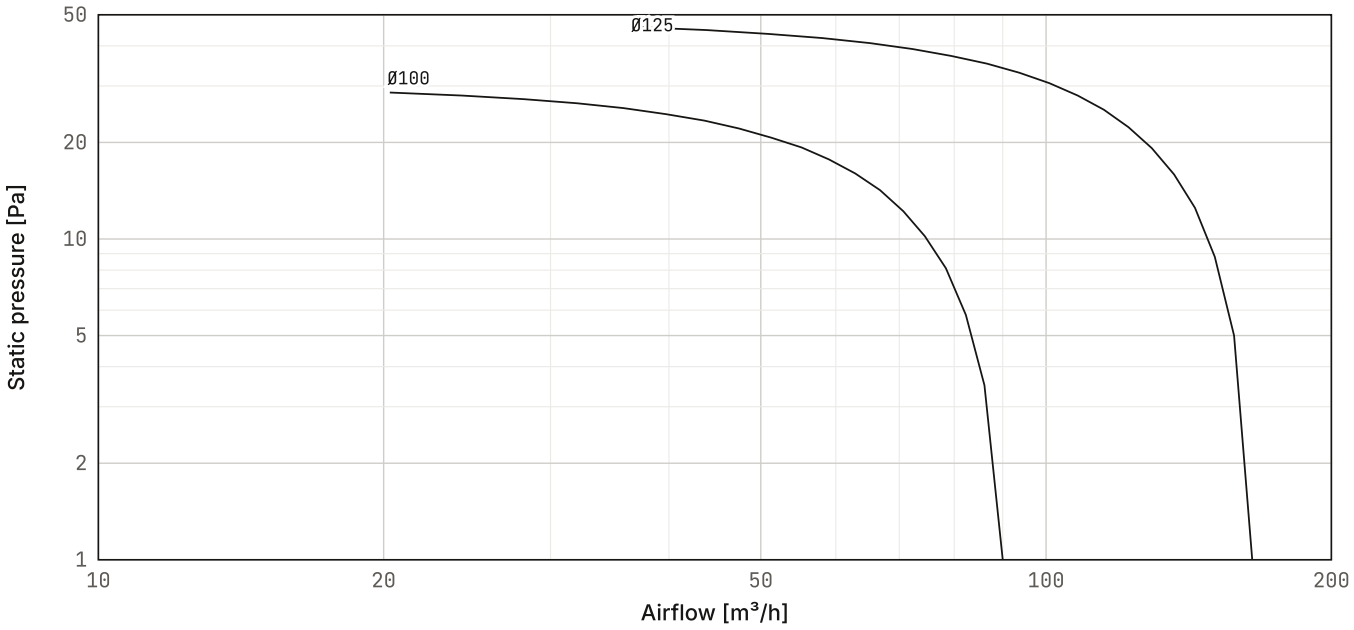
The fans have a round flange connection in Ø100 and Ø125 mm and a plastic impeller. They can be mounted on the wall or on the ceiling, with horizontal or vertical air discharge. A quiet backdraft damper with rubber bumper is fitted.

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
165 m³/h	48 Pa	100 – 125 mm	0.01 – 0.01 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

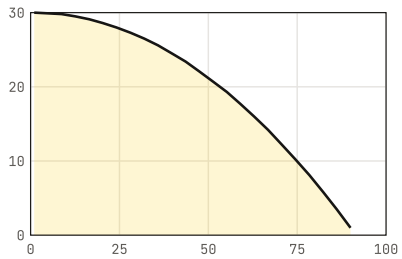
Model	Ø [mm]	Motor [kW]	Speed [min⁻¹]	Supply	I [A]	Max. airflow [m³/h]	Max. pressure [Pa]	LpA 1 m [dB(A)]
AS-FRESH 100	100	0.01	2,000	230 V 1~	0.0	90	30	25
AS-FRESH 125	125	0.01	2,000	230 V 1~	0.1	165	48	30

Dimensions [mm]

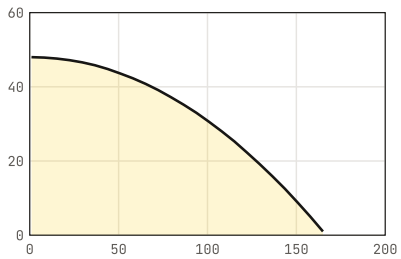
Model	A	B	C	D	E	F	G
AS-FRESH 100	175	220	135	135	74	44	98
AS-FRESH 125	190	237	160	160	79	52	123

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

AS-FRESH 100 2,000 min⁻¹ · 0.01 kW



AS-FRESH 125 2,000 min⁻¹ · 0.01 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-FRESH 100	11	22	37	36	37	35	32	27	**43**	25
AS-FRESH 125	16	27	42	41	42	40	37	32	**48**	30

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.