J02 · RESIDENTIAL BATHROOM FANS

AS-FINE

Residential Wall and Ceiling Ventilation Fans



AS-FINE ventilation fans are exhaust fans for wall and ceiling applications in bathrooms. They are suitable for connection to ventilation ducts or air ducts, and the robust face panel has an elegant design with smooth lines.

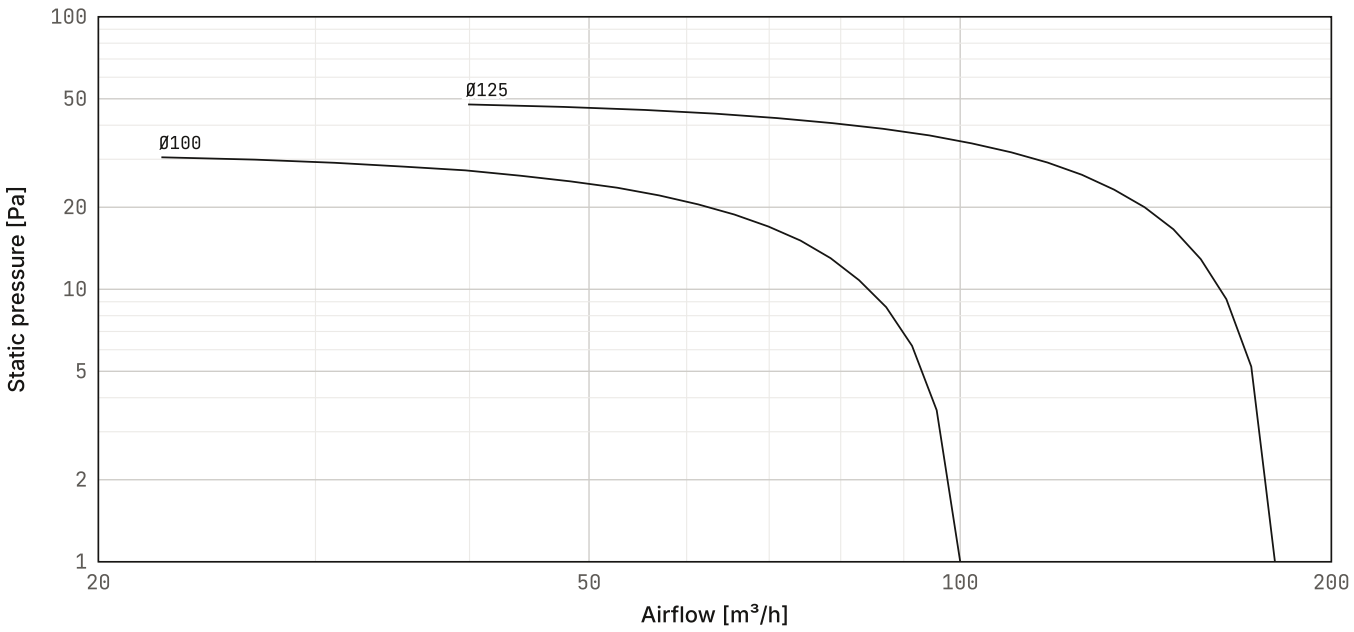
The fans have a round flange connection in Ø100 and Ø125 mm and a plastic impeller. They can be mounted on the wall or on the ceiling, with horizontal or vertical air discharge. A quiet backdraft damper with rubber bumper is fitted.

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
180 m³/h	50 Pa	100 – 125 mm	0.01 – 0.01 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,890 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

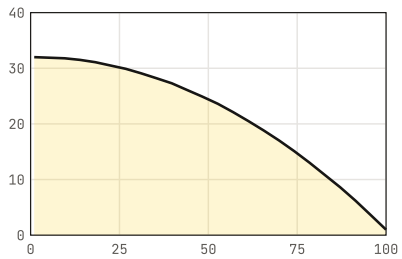
Model	Ø [mm]	Motor [kW]	Speed [min⁻¹]	Supply	I [A]	Max. airflow [m³/h]	Max. pressure [Pa]	LpA 1 m [dB(A)]
AS-FINE 100	100	0.01	1,890	230 V 1~	0.0	100	32	32
AS-FINE 125	125	0.01	1,890	230 V 1~	0.1	180	50	33

Dimensions [mm]

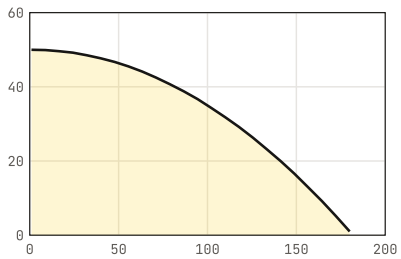
Model	A	B	C	D	E	F
AS-FINE 100	170	135	74	38	98	6
AS-FINE 125	200	160	79	38	123	6

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

AS-FINE 100 1,890 min⁻¹ · 0.01 kW



AS-FINE 125 1,890 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-FINE 100	18	29	44	43	44	42	39	34	**50**	32
AS-FINE 125	19	30	45	44	45	43	40	35	**51**	33

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.