J01 · RESIDENTIAL BATHROOM FANS

AS-EON

Residential Surface Mounted Ventilation Fans



AS-EON surface mounted ventilation fans are exhaust fans for bathrooms, suitable for both wall and ceiling mounting. Thanks to their robust housing and quiet impeller, they run with low vibration and noise levels and have low energy consumption.

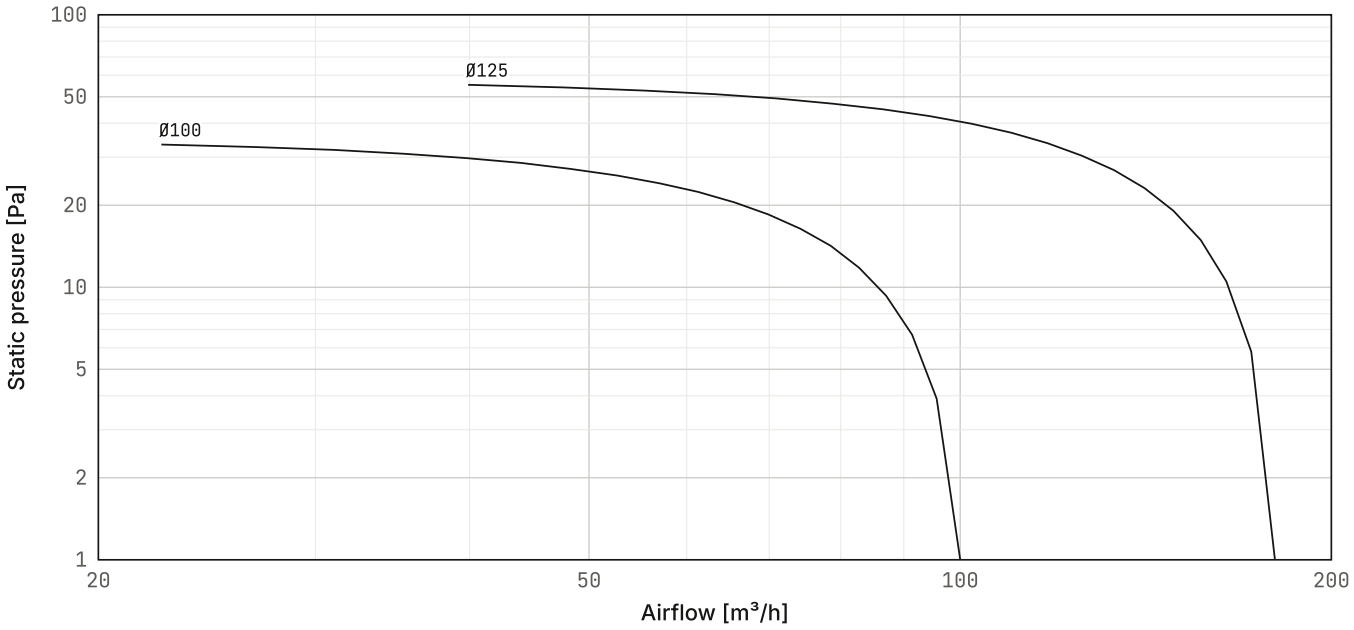
The housing is made of high-quality ABS polymer plastic and the impeller is plastic. The fans have a round duct connection and are available in Ø100 and Ø125 mm sizes; air discharge can be horizontal or vertical.

The direct-drive fans use 2-pole synchronous motors with 100% copper enamelled wire winding, ball bearings and thermal protection against overheating. The motors have class F insulation and IP44 protection, are 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	58 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

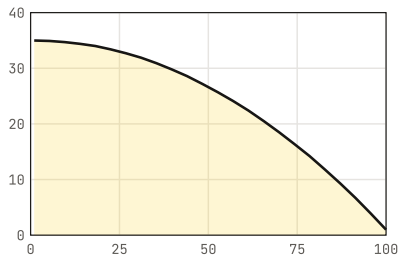
Model	Ø [mm]	Motor [kW]	Speed [min⁻¹]	Supply	I [A]	Max. airflow [m³/h]	Max. pressure [Pa]	LpA 1 m [dB(A)]
AS-EON 100	100	0.01	2,000	230 V 1~	0.0	100	35	25
AS-EON 125	125	0.01	2,000	230 V 1~	0.1	180	58	30

Dimensions [mm]

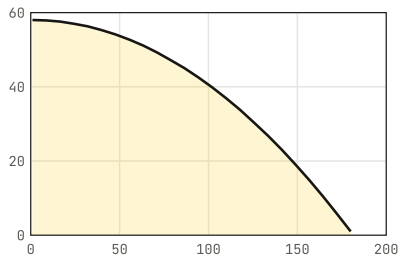
Model	A	B	C	D	E	F
AS-EON 100	179	131	98	98	31	43
AS-EON 125	179	151	82	123	31	56

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

AS-EON 100 2,000 min⁻¹ · 0.01 kW



AS-EON 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-EON 100	11	22	37	36	37	35	32	27	**43**	25
AS-EON 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.