J10 · RESIDENTIAL BATHROOM FANS

AS-ROUND

Residential Round Design Ventilation Fans



AS-ROUND ventilation fans are bathroom exhaust fans with a round decorative cover. The shortened flange allows mounting in shafts with limited depth, and five decorative colour covers are included in the kit.

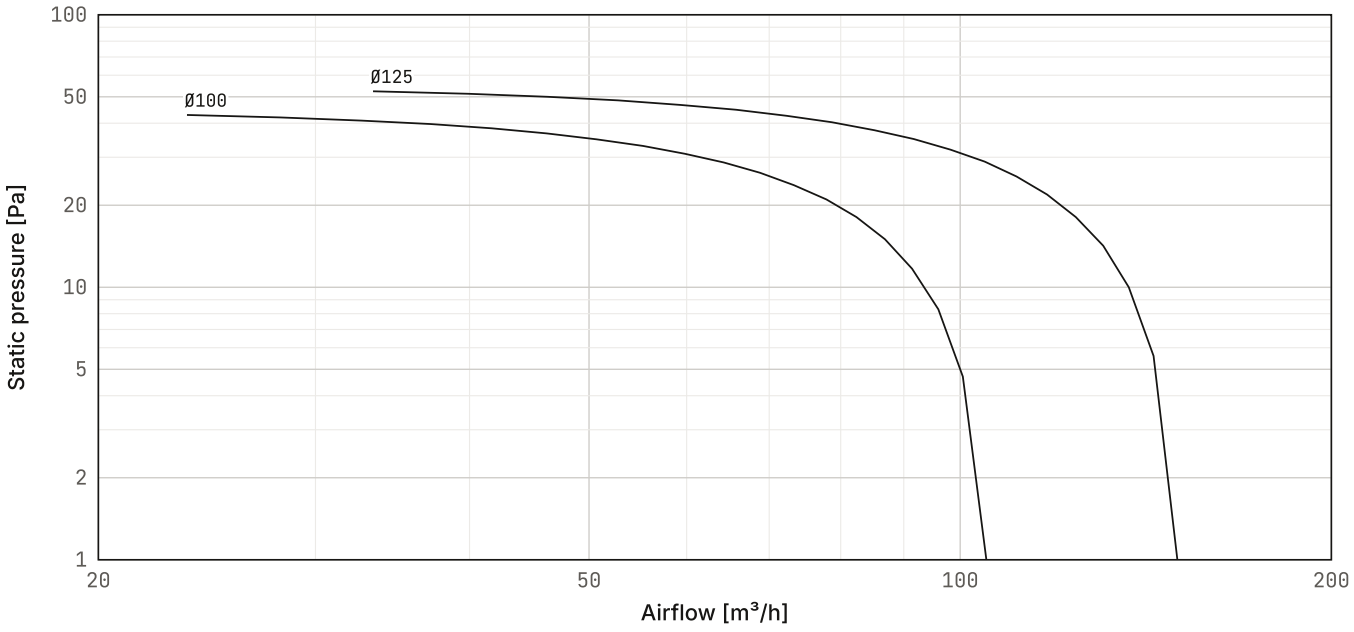
The fans have a round flange connection in Ø100 and Ø125 mm and a plastic impeller. Air discharge can be horizontal or vertical.

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
150 m³/h	55 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-ROUND 100	100	0.01	2,700	230 V 1~	0.1	105	45	35
AS-ROUND 125	125	0.02	2,700	230 V 1~	0.1	150	55	36

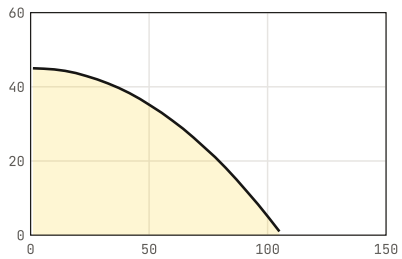
Dimensions [mm]

Model	A	B	C	D	E	F
AS-ROUND 100	159	125	48	100	37	5
AS-ROUND 125	189	145	54	125	39	7

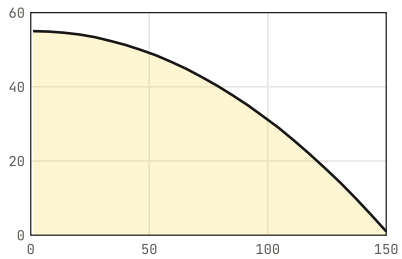
Performance curves

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

AS-ROUND 100 — 2,700 min⁻¹ · 0.01 kW



AS-ROUND 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-ROUND 100	21	32	47	46	47	45	42	37	**53**	35
AS-ROUND 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.