J18 · RESIDENTIAL BATHROOM FANS

AS-RCF

Residential Bathroom / Toilet Ceiling Radial Fans



AS-RCF ceiling-mounted radial fans are designed for the ventilation of bathrooms, toilets and small spaces. They offer a low noise level and economical energy consumption.

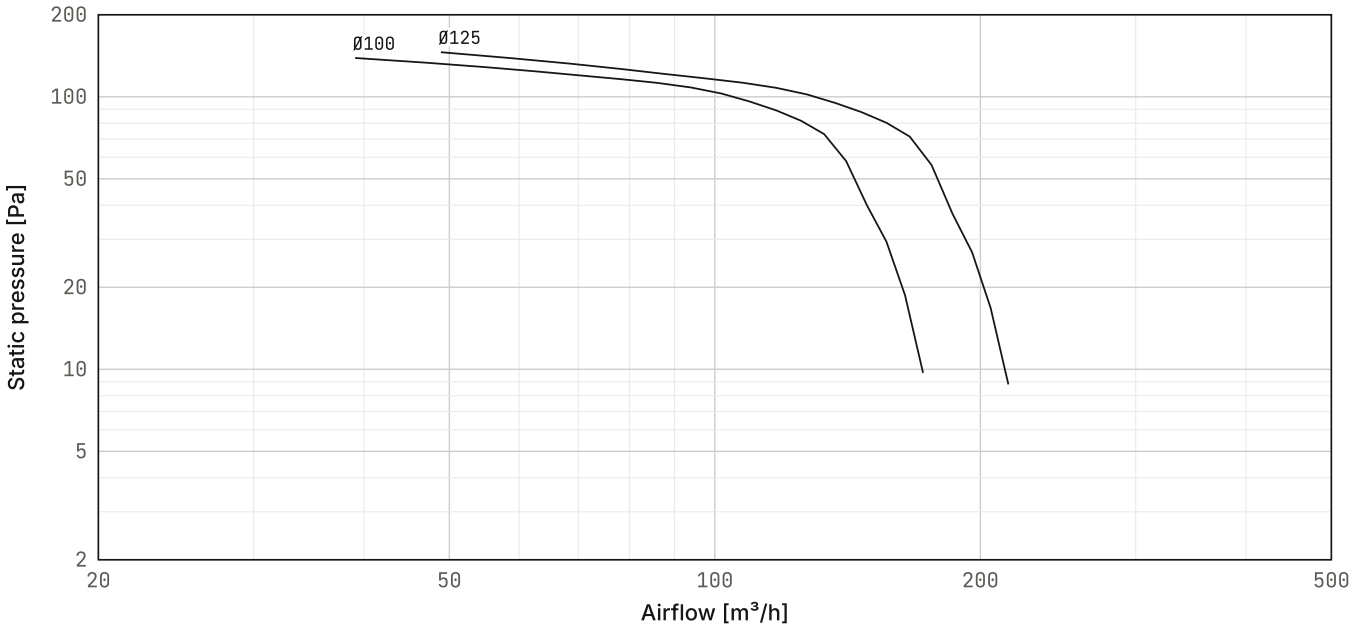
A backdraft damper prevents unwanted air entry. The fans have a round duct connection in Ø100 and Ø125 mm and a plastic impeller; air discharge can be horizontal or vertical.

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
225 m³/h	200 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

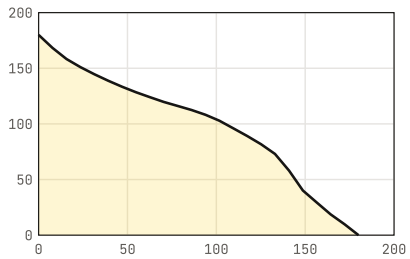
Model	Ø [mm]	Motor [kW]	Speed [min⁻¹]	Supply	I [A]	Max. airflow [m³/h]	Max. pressure [Pa]	LpA 1 m [dB(A)]
AS-RCF 100	100	0.01	2,700	230 V 1~	0.1	180	180	33
AS-RCF 125	125	0.02	2,700	230 V 1~	0.1	225	200	36

Dimensions [mm]

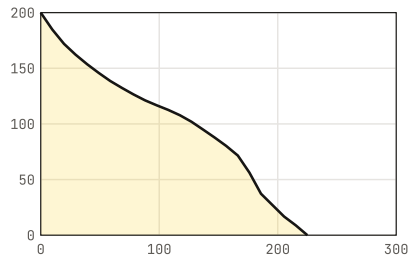
Model	A	B	C	D
AS-RCF 100	100	140	140	25
AS-RCF 125	125	140	140	25

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

AS-RCF 100 2,700 min⁻¹ · 0.01 kW



AS-RCF 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-RCF 100	19	30	45	44	45	43	40	35	**51**	33
AS-RCF 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.