C08 · ROOF FANS

AS-EXR-FIK

Commercial External-Motor Single-Phase Roof Radial Fans

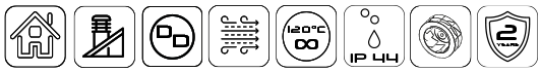


The AS-EXR-FIK 315 is a single-phase radial roof fan with its motor placed outside the airflow. This protects the motor from dust, oil and other harmful substances in the air and ensures continuous ventilation. With its single-phase motor, the fan runs on a standard 230 V supply, which makes it a simple choice for roof-mounted ventilation in commercial projects.

The casing is made of galvanized sheet steel with an electrostatic powder coating. The fan is designed for roof installation, with round or rectangular connections. The backward-curved impeller is made of aluminium and balanced to ISO 1940-1.

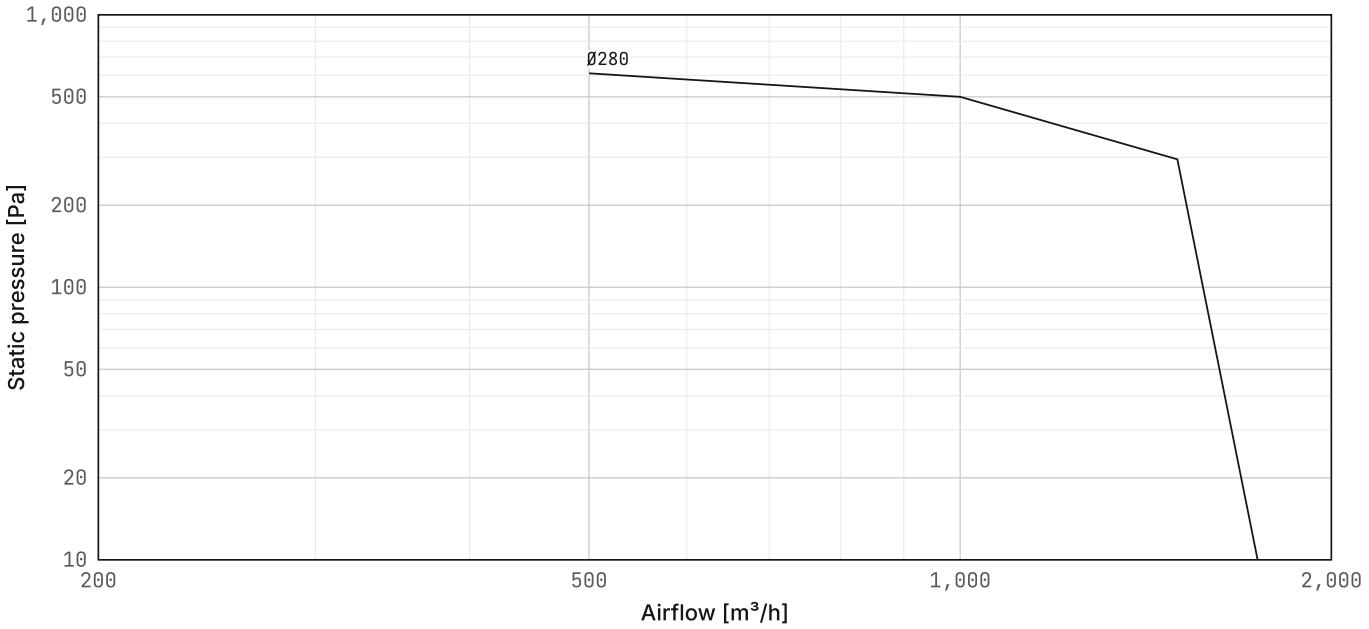
The 2-pole external-rotor motor has IP44 protection and class F insulation and is rated for S1 and S2 duty. It is supplied for 230 V single-phase networks, with versions for both 50 Hz and 60 Hz. Operating air temperature: −20 °C to +50 °C. Standards: IEC 60335-2-80, ISO 1940-1.

AIRFLOW UP TO	STATIC PRESSURE UP TO	IMPELLER Ø	MOTOR POWER
1,930 m³/h	680 Pa	280 mm	0.08 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
2,700 min⁻¹	230 V 1~ · 50 Hz	50°C	IP44 · F



Selection chart

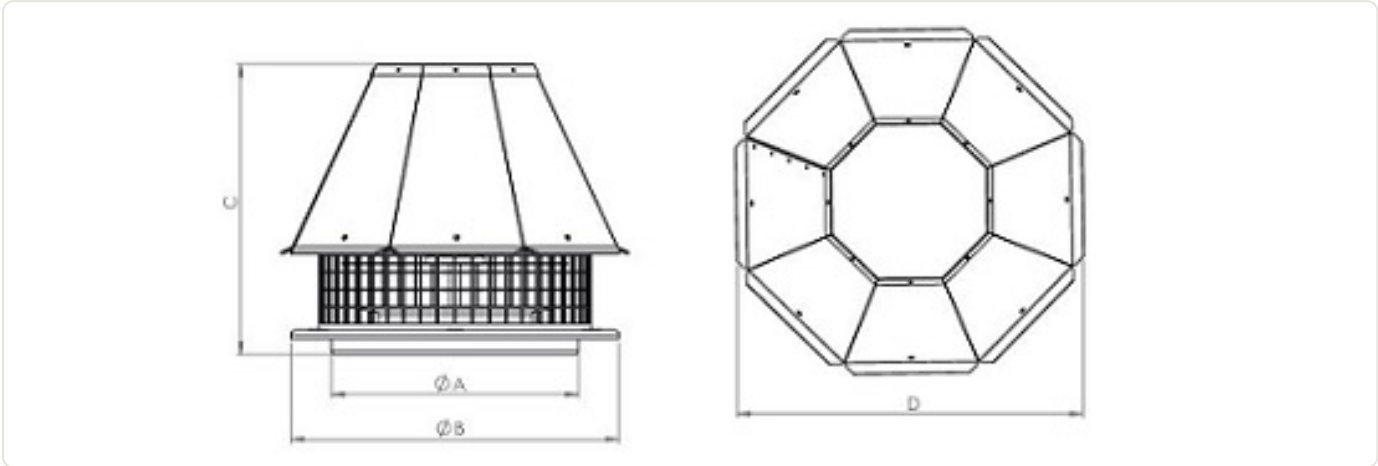
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



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-EXR-FIK 315	280	0.08	2,700	230 V 1~	1.1	1,930	680	55

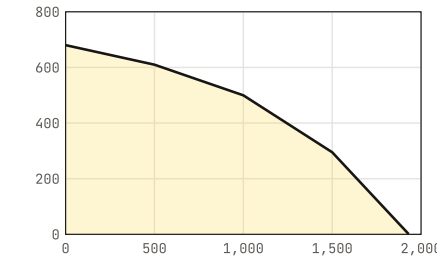
Dimensions [mm]



Model	A	B	C	D
AS-EXR-FIK 315	310	412	370	435

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

AS-EXR-FIK 315 2,700 min⁻¹ · 0.08 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-EXR-FIK 315	41	52	67	66	67	65	62	57	**73**	55

Notes

Sound pressure level at 1 m (free field) from the AEROMIS product database.
1 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.