C07 · ROOF FANS

AS-EXR-FIK

Commercial Vertical Discharge Roof Radial Fans



AS-EXR-FIK vertical discharge radial fans offer a practical solution for ventilation projects that require roof mounting, combining easy installation, a long-life motor and an efficient impeller. Thanks to vertical discharge, the fan is not affected when its surroundings are enclosed.

The casing is made of galvanized sheet steel with an electrostatic powder coating. The fans are designed for roof installation, with round or rectangular connections and vertical air discharge. Backward-curved aluminium impellers, balanced to ISO 1940-1, cover sizes from Ø190 to Ø560 mm.

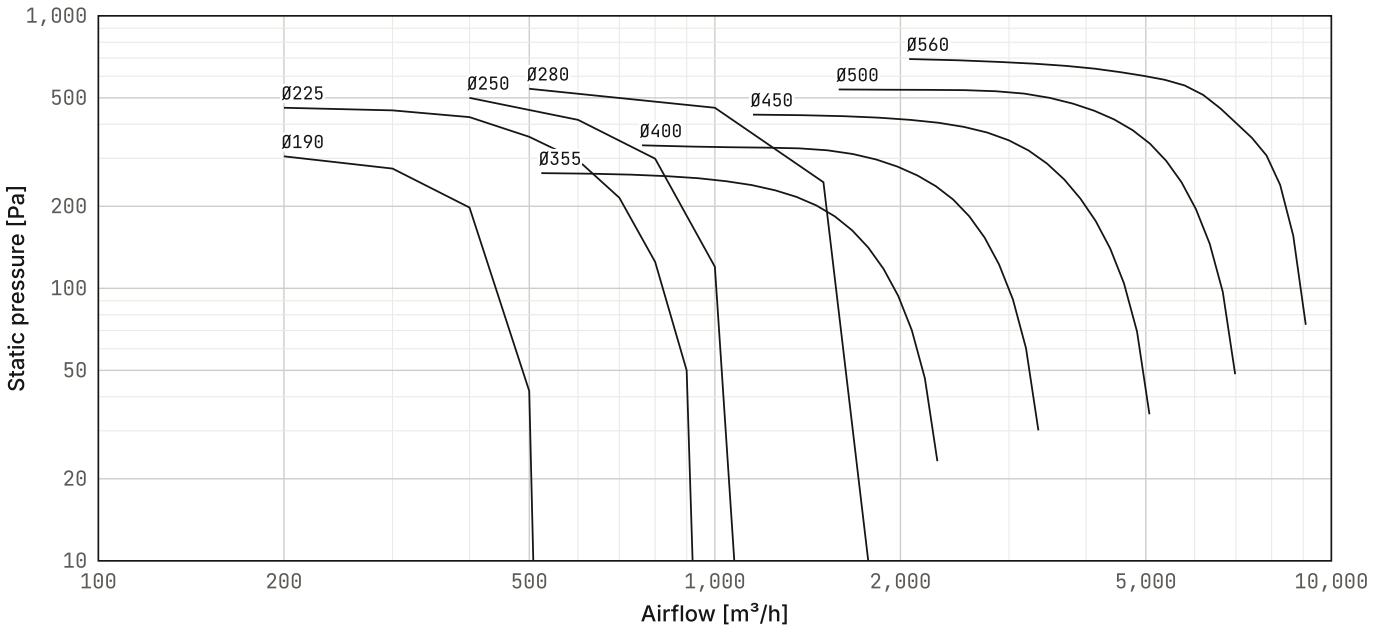
The external-rotor motors have IP44 protection and class F insulation, come in 2- and 4-pole versions for single-phase supply and are rated for S1 and S2 duty. Versions for 50 Hz and 60 Hz supplies are available. Operating air temperature: −20 °C to +50 °C. Standards: IEC 60335-2-80, ISO 1940-1.

AIRFLOW UP TO	STATIC PRESSURE UP TO	IMPELLER Ø	MOTOR POWER
9,500 m³/h	700 Pa	190 – 560 mm	0.05 – 1.7 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,360 – 2,685 min⁻¹	230 V 1~ · 380 V 1~ · 50 Hz	50°C	IP44 · F



Selection chart

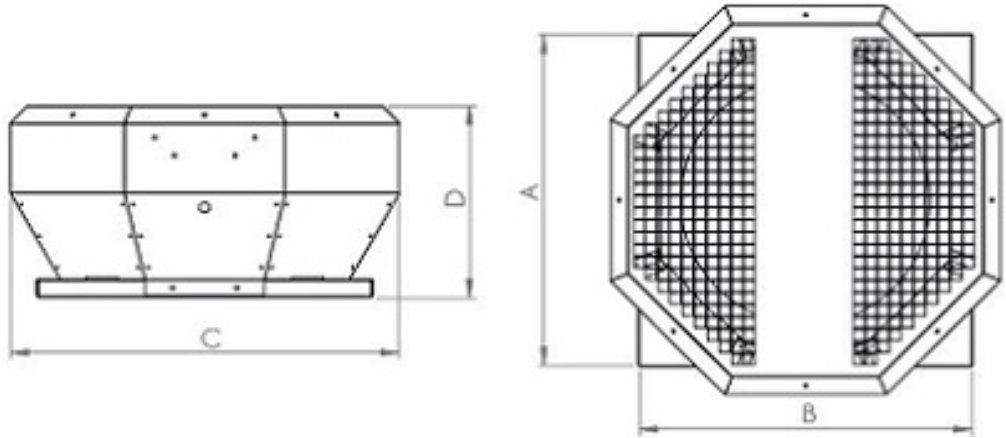
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



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)]	FEG
AS-EXR-FIK 190	190	0.05	2,600	230 V 1~	0.5	520	320	50	–
AS-EXR-FIK 225	225	0.06	2,675	230 V 1~	0.6	950	500	50	–
AS-EXR-FIK 250	250	0.08	2,685	230 V 1~	0.6	1,150	580	55	–
AS-EXR-FIK 280	280	0.08	2,615	230 V 1~	1.1	2,000	580	60	–
AS-EXR-FIK 355	355	0.48	1,360	230 V 1~	0.9	2,400	265	52	95
AS-EXR-FIK 400	400	0.21	1,362	230 V 1~	1.1	3,500	340	55	65
AS-EXR-FIK 450	450	0.69	1,367	230 V 1~	0.8	5,300	435	60	65
AS-EXR-FIK 500	500	1.1	1,364	230 V 1~	1.5	7,300	540	63	95
AS-EXR-FIK 560	560	1.7	1,369	380 V 1~	1.7	9,500	700	70	90

Dimensions [mm]

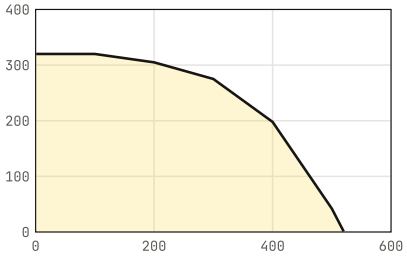


Model	A	B	C	D
AS-EXR-FIK 190	340	340	442	192
AS-EXR-FIK 225	420	420	502	228
AS-EXR-FIK 250	435	435	532	242
AS-EXR-FIK 280	450	450	552	256
AS-EXR-FIK 355	550	550	652	317
AS-EXR-FIK 400	600	600	702	348
AS-EXR-FIK 450	650	650	752	356
AS-EXR-FIK 500	700	700	802	412
AS-EXR-FIK 560	800	800	902	427

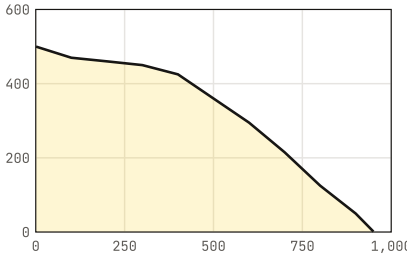
Performance curves

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

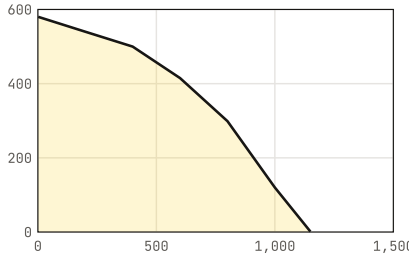
AS-EXR-FIK 190 2,600 min⁻¹ · 0.05 kW



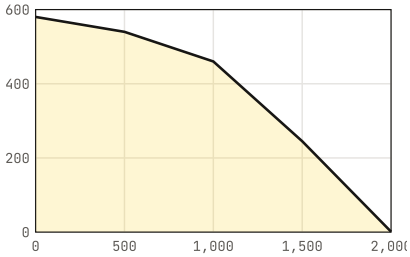
AS-EXR-FIK 225 2,675 min⁻¹ · 0.06 kW



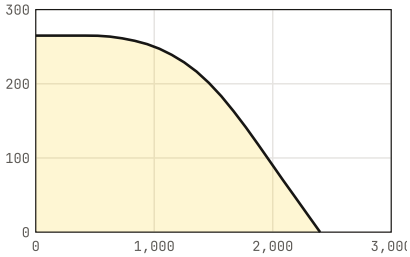
AS-EXR-FIK 250 2,685 min⁻¹ · 0.08 kW



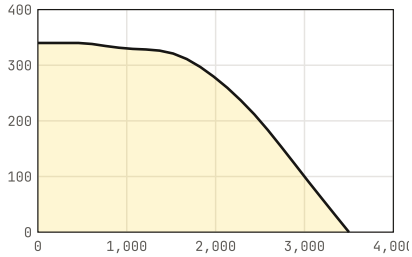
AS-EXR-FIK 280 2,615 min⁻¹ · 0.08 kW



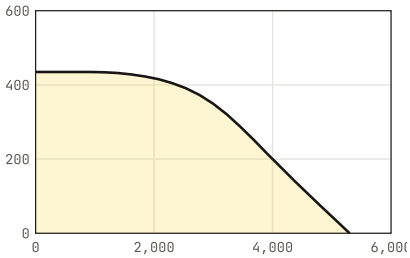
AS-EXR-FIK 355 1,360 min⁻¹ · 0.48 kW



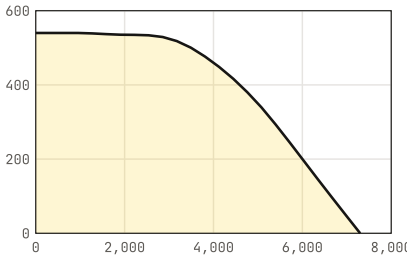
AS-EXR-FIK 400 1,362 min⁻¹ · 0.21 kW



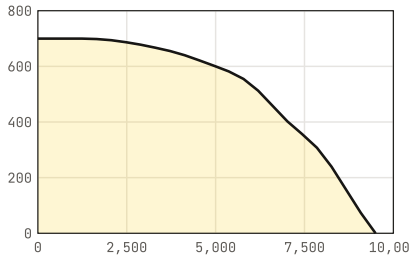
AS-EXR-FIK 450 1,367 min⁻¹ · 0.69 kW



AS-EXR-FIK 500 1,364 min⁻¹ · 1.1 kW



AS-EXR-FIK 560 1,369 min⁻¹ · 1.7 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 190	36	47	62	61	62	60	57	52	**68**	50
AS-EXR-FIK 225	36	47	62	61	62	60	57	52	**68**	50
AS-EXR-FIK 250	41	52	67	66	67	65	62	57	**73**	55
AS-EXR-FIK 280	46	57	72	71	72	70	67	62	**78**	60
AS-EXR-FIK 355	38	49	64	63	64	62	59	54	**70**	52
AS-EXR-FIK 400	41	52	67	66	67	65	62	57	**73**	55
AS-EXR-FIK 450	46	57	72	71	72	70	67	62	**78**	60
AS-EXR-FIK 500	49	60	75	74	75	73	70	65	**81**	63
AS-EXR-FIK 560	56	67	82	81	82	80	77	72	**88**	70

Notes

Sound pressure level at 1 m (free field) from the AEROMIS product database.
FEG shown for models that meet ErP 2026 (EU 2024/1834).
9 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.