F01 · CENTRIFUGAL & MIXED-FLOW DUCT FANS

AS-EXT-AF

Commercial Square Wall-Type Axial Fans



AS-EXT-AF axial fans combine a square casing with sheet steel blades and are used for commercial and industrial ventilation. They are designed for easy wall or window mounting and provide high airflow with a durable construction.

The square casing is made of galvanized sheet steel with an electrostatic powder coating and a rectangular connection profile. Air discharge can be horizontal or vertical. The direct-driven sheet steel impellers, balanced to ISO 1940-1, cover sizes from Ø200 to Ø350 mm.

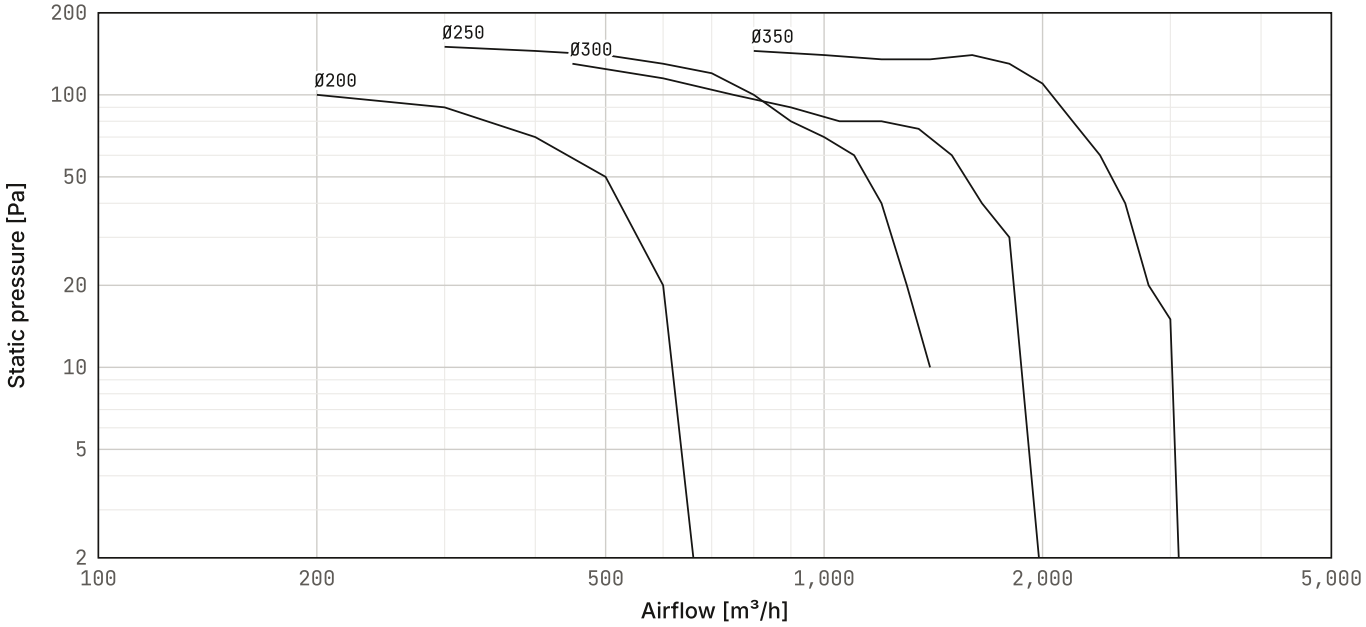
The direct-drive, 2-pole external-rotor motors run on a 230 V single-phase supply, with IP44 protection and class F insulation, rated for S1 and S2 duty. Versions for 50 Hz and 60 Hz supplies are available. Operating air temperature: −20 °C to +50 °C. Standards: IEC 60335-2-80, ISO 1940-1.

AIRFLOW UP TO	STATIC PRESSURE UP TO	IMPELLER Ø	MOTOR POWER
3,110 m³/h	200 Pa	200 – 350 mm	0.05 – 0.08 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
2,550 – 2,700 min⁻¹	230 V 1~ · 50 Hz	50°C	IP44 · F



Selection chart

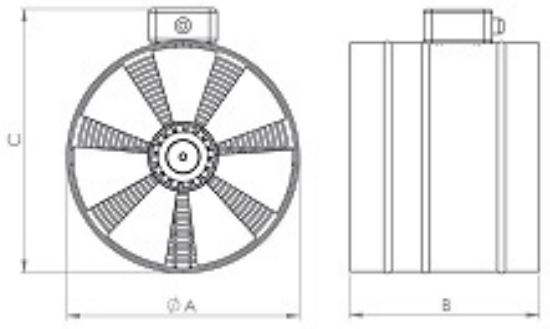
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



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-EXT-AF 200	200	0.05	2,650	230 V 1~	0.5	680	120	50
AS-EXT-AF 250	250	0.06	2,700	230 V 1~	0.6	1,400	170	52
AS-EXT-AF 300	300	0.08	2,550	230 V 1~	0.6	2,025	185	54
AS-EXT-AF 350	350	0.08	2,650	230 V 1~	1.1	3,110	200	58

Dimensions [mm]

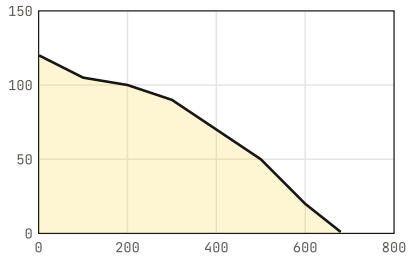


Model	A	B	C	D
AS-EXT-AF 200	250	250	197	85
AS-EXT-AF 250	300	300	247	85
AS-EXT-AF 300	350	350	297	85
AS-EXT-AF 350	400	400	347	85

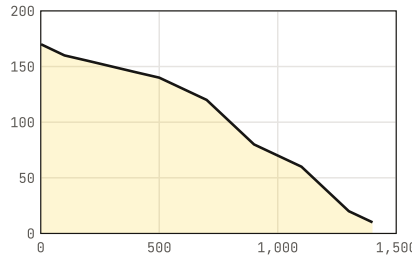
Performance curves

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

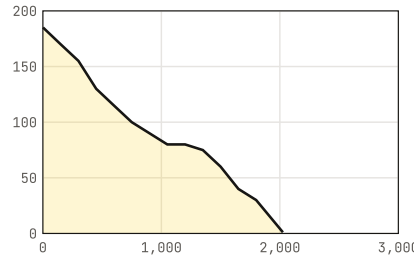
AS-EXT-AF 200 2,650 min⁻¹ · 0.05 kW



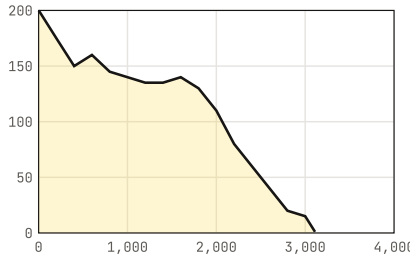
AS-EXT-AF 250 2,700 min⁻¹ · 0.06 kW



AS-EXT-AF 300 2,550 min⁻¹ · 0.08 kW



AS-EXT-AF 350 2,650 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-EXT-AF 200	36	47	62	61	62	60	57	52	**68**	50
AS-EXT-AF 250	38	49	64	63	64	62	59	54	**70**	52
AS-EXT-AF 300	40	51	66	65	66	64	61	56	**72**	54
AS-EXT-AF 350	44	55	70	69	70	68	65	60	**76**	58

Notes

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