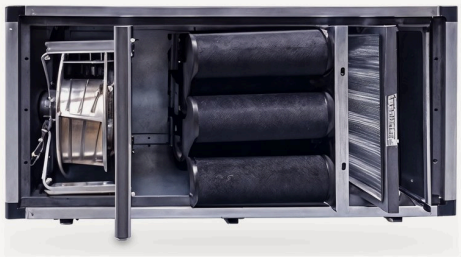
D04 · KITCHEN EXTRACT FANS

AS-CFF

Commercial Kitchen Exhaust Fans with Active Carbon Filter



AS-CFF fans are designed for industrial and commercial kitchens such as those in hotels and restaurants, where the exhaust air from kitchen hoods must not disturb guests. The fan is supplied as standard with a grease trap filter, a G2 dust filter and an active carbon filter. The slide-in design of the filters and the fan makes cleaning and maintenance easy.

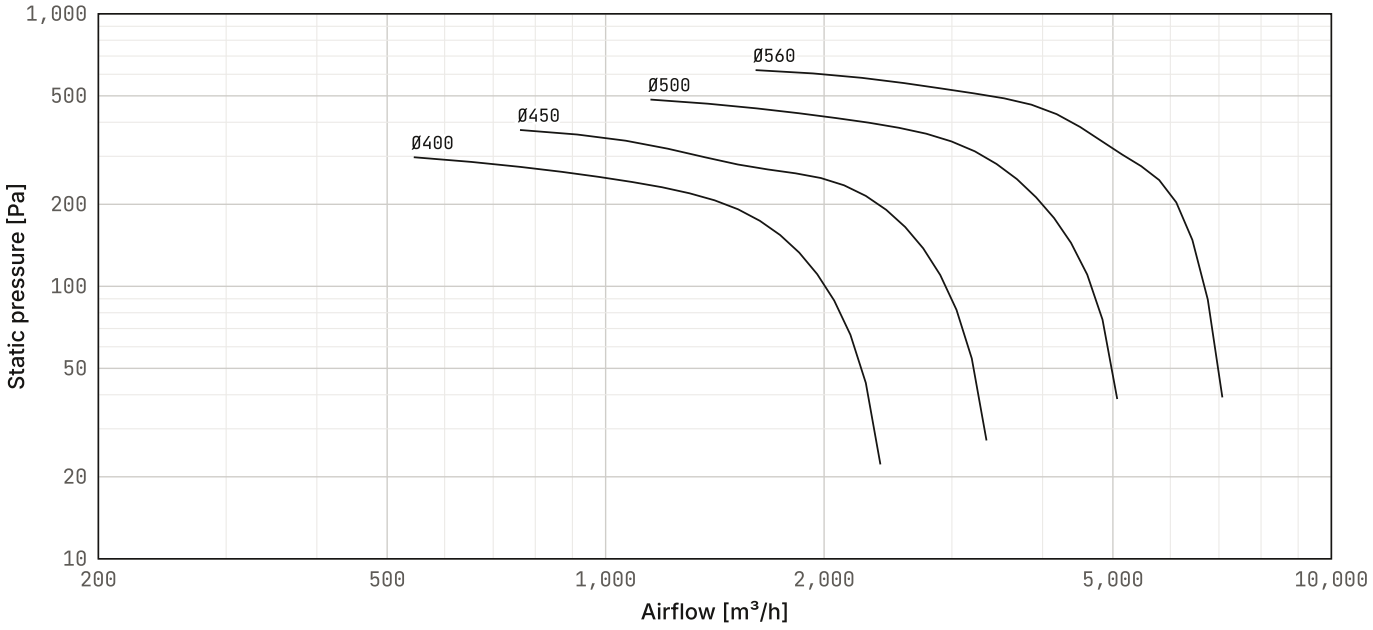
The casing is made of galvanized sheet steel with an electrostatic powder coating and rectangular connections. It can be installed as a cabinet unit or in-line, with horizontal air discharge. Backward-curved aluminium impellers, balanced to ISO 1940-1, cover sizes from Ø400 to Ø560 mm.

The 4-pole external-rotor motors have IP44 protection and class F insulation, are designed 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
7,400 m³/h	705 Pa	400 – 560 mm	0.21 – 1.7 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,362 – 1,369 min⁻¹	230 V 1~ · 380 V 1~ · 50 Hz	50°C	IP44 · F

Selection chart

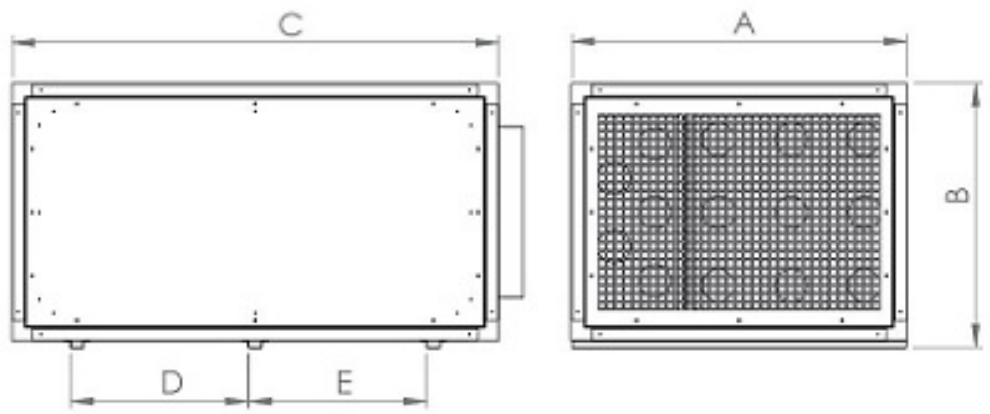
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



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)]
AS-CFF 400	400	0.21	1,362	230 V 1~	1.1	2,500	350	45
AS-CFF 450	450	0.69	1,367	230 V 1~	0.8	3,500	440	48
AS-CFF 500	500	1.1	1,364	230 V 1~	1.5	5,300	540	52
AS-CFF 560	560	1.7	1,369	380 V 1~	1.7	7,400	705	55

Dimensions [mm]

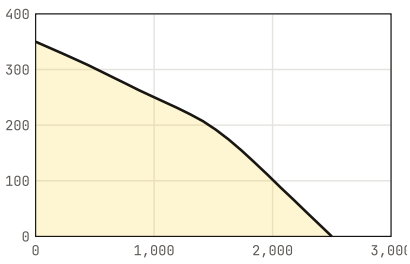


Model	A	B	C	D	E
AS-CFF 400	665	750	1,420	520	520
AS-CFF 450	665	750	1,420	520	520
AS-CFF 500	980	750	1,420	520	520
AS-CFF 560	980	750	1,420	520	520

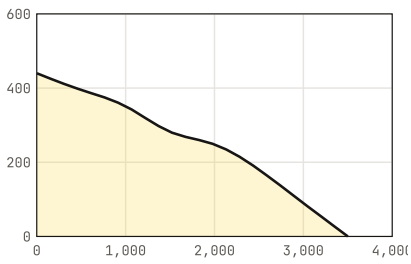
Performance curves

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

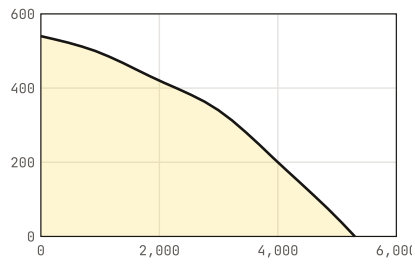
AS-CFF 400 — 1,362 min⁻¹ · 0.21 kW



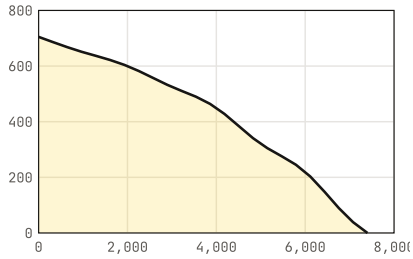
AS-CFF 450 — 1,367 min⁻¹ · 0.69 kW



AS-CFF 500 — 1,364 min⁻¹ · 1.1 kW



AS-CFF 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-CFF 400	31	42	57	56	57	55	52	47	**63**	45
AS-CFF 450	34	45	60	59	60	58	55	50	**66**	48
AS-CFF 500	38	49	64	63	64	62	59	54	**70**	52
AS-CFF 560	41	52	67	66	67	65	62	57	**73**	55

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.