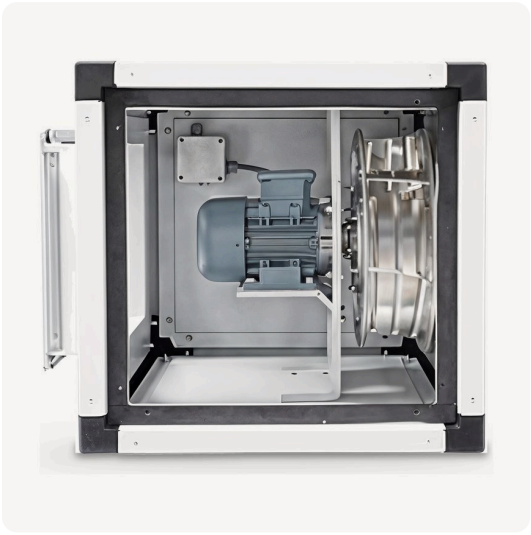
D05 · KITCHEN EXTRACT FANS

AS-CDF

Commercial Cabinet Radial Fans



AS-CDF cabinet radial fans are designed for general ventilation duties. Easy installation, a robust structure and an efficient radial impeller capable of producing high airflow make them a practical choice for commercial ventilation needs.

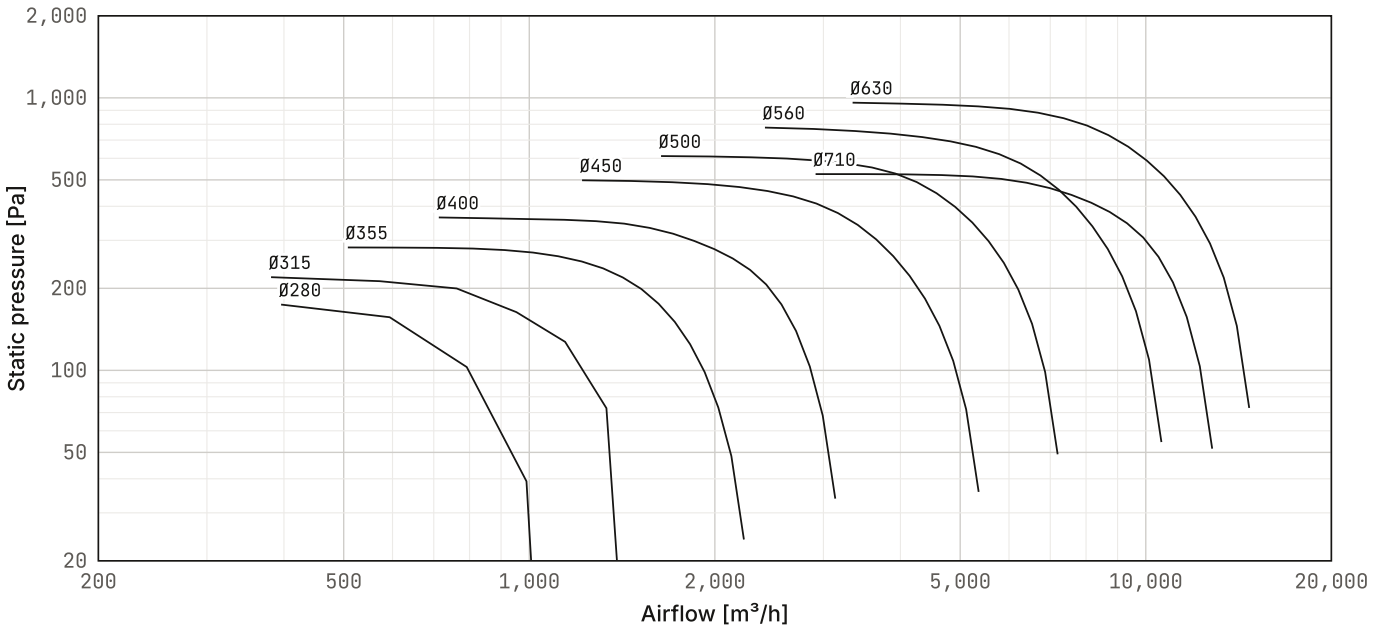
The casing is made of galvanized sheet steel with an electrostatic powder coating and rectangular connections. The fan is installed in-line in the duct, with horizontal or vertical air discharge. Backward-curved galvanized steel impellers, balanced to ISO 1940-1, cover sizes from Ø280 to Ø710 mm.

The direct-drive WAT asynchronous motors are totally enclosed and fan-cooled (TEFC), with IP55 protection and class F insulation, for S1 and S2 duty. IE3 efficiency is standard; IE4 and EC motors are available on request. 50 Hz and 60 Hz versions 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
15,386* m³/h	973* Pa	280 – 710 mm	0.25 – 4.0 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
950 – 1,449 min⁻¹	400 V 3~ · 50 Hz	50°C	IE3 standard · EC / IE4 on request · IP55 · F

Selection chart

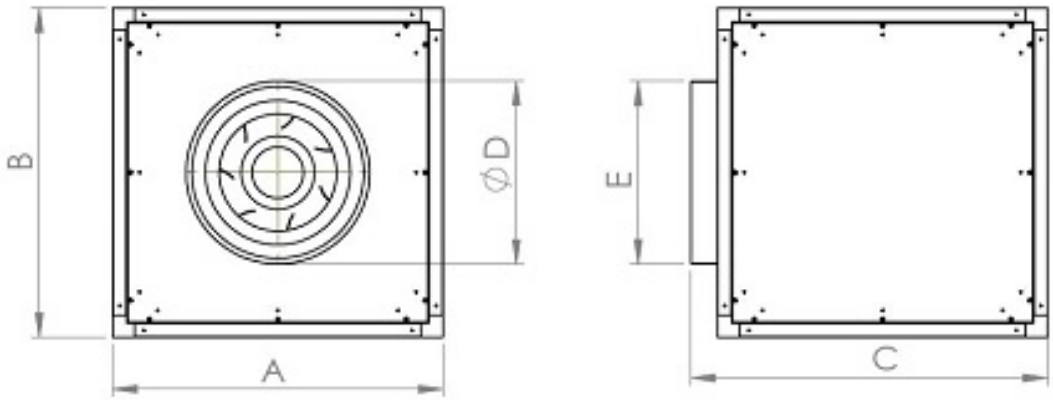
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor. *



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-CDF 280 IE3	280	0.25	1,435	400 V 3~	0.7	1,089*	181*	37	–
AS-CDF 315 IE3	315	0.25	1,400	400 V 3~	0.8	1,525*	223*	38	–
AS-CDF 355 IE3	355	0.37	1,428	400 V 3~	1.1	2,330*	287*	43	–
AS-CDF 400 IE3	400	0.55	1,425	400 V 3~	1.4	3,278*	367*	45	–
AS-CDF 450 IE3	450	0.75	1,447	400 V 3~	1.8	5,600	500	50	65
AS-CDF 500 IE3	500	1.1	1,447	400 V 3~	2.6	7,522*	612*	53	80
AS-CDF 560 IE3	560	1.5	1,449	400 V 3~	3.2	11,086*	784*	56	100
AS-CDF 630 IE3	630	3.0	1,445	400 V 3~	6.2	15,386*	973*	59	85
AS-CDF 710	710	4.0	950	400 V 3~	8.1	13,400	525	63	–

Dimensions [mm]

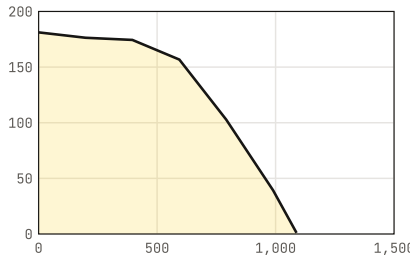


Model	A	B	C	D	E
AS-CDF 280	450	450	520	280	250
AS-CDF 315	500	500	570	315	300
AS-CDF 355	500	500	570	355	300
AS-CDF 400	600	600	600	400	350
AS-CDF 450	700	700	770	450	400
AS-CDF 500	800	800	870	500	450
AS-CDF 560	900	900	970	560	500
AS-CDF 630	1,000	1,000	1,070	630	600
AS-CDF 710	1,100	1,100	1,170	710	650

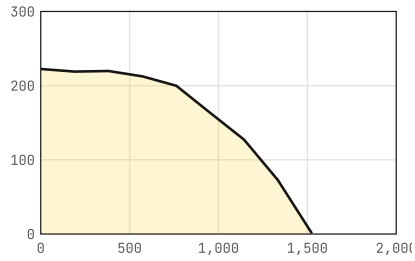
Performance curves

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

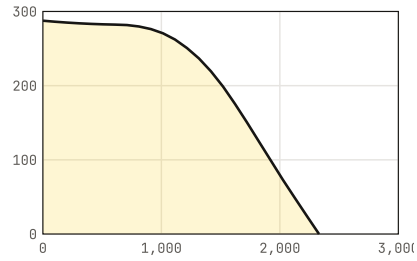
AS-CDF 280 1,435 min⁻¹ · 0.25 kW



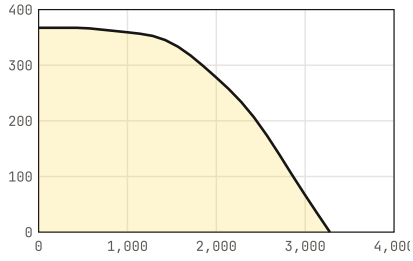
AS-CDF 315 1,400 min⁻¹ · 0.25 kW



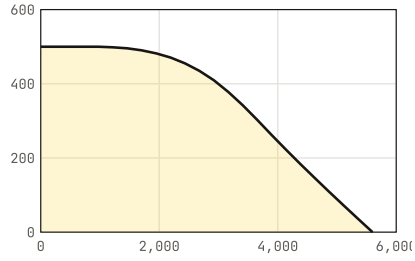
AS-CDF 355 1,428 min⁻¹ · 0.37 kW



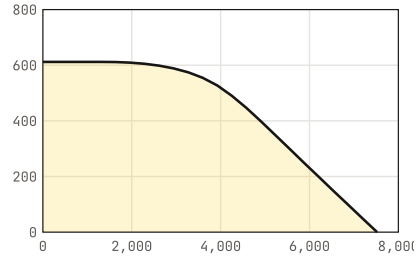
AS-CDF 400 1,425 min⁻¹ · 0.55 kW



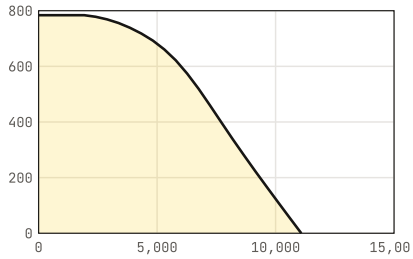
AS-CDF 450 1,447 min⁻¹ · 0.75 kW



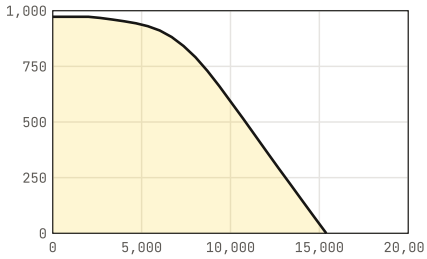
AS-CDF 500 1,447 min⁻¹ · 1.1 kW



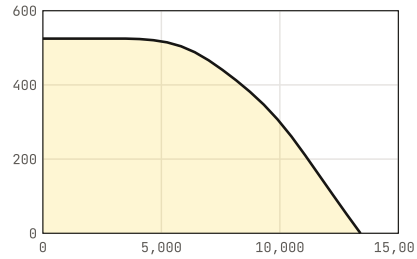
AS-CDF 560 1,449 min⁻¹ · 1.5 kW



AS-CDF 630 1,445 min⁻¹ · 3.0 kW



AS-CDF 710 950 min⁻¹ · 4.0 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-CDF 280	23	34	49	48	49	47	44	39	**55**	37
AS-CDF 315	24	35	50	49	50	48	45	40	**56**	38
AS-CDF 355	29	40	55	54	55	53	50	45	**61**	43
AS-CDF 400	31	42	57	56	57	55	52	47	**63**	45
AS-CDF 450	36	47	62	61	62	60	57	52	**68**	50
AS-CDF 500	39	50	65	64	65	63	60	55	**71**	53
AS-CDF 560	42	53	68	67	68	66	63	58	**74**	56
AS-CDF 630	45	56	71	70	71	69	66	61	**77**	59
AS-CDF 710	49	60	75	74	75	73	70	65	**81**	63

Notes

* Curve scaled to the speed of the standard motor with the fan laws (Q∝n, p∝n²).
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.