D02 · KITCHEN EXTRACT FANS

AS-SDF-M

Commercial Cabinet Kitchen Hood Fans



AS-SDF-M cabinet kitchen hood fans connect to kitchen hoods and extract smoke from stoves, grills and frying counters, preventing heavy odours. The fan is delivered enclosed; a cover panel on the required side is removed and the duct is connected there. An easy-access panel allows impeller cleaning, and the motor, outside the airflow, is not affected by oily, sooty and hot air.

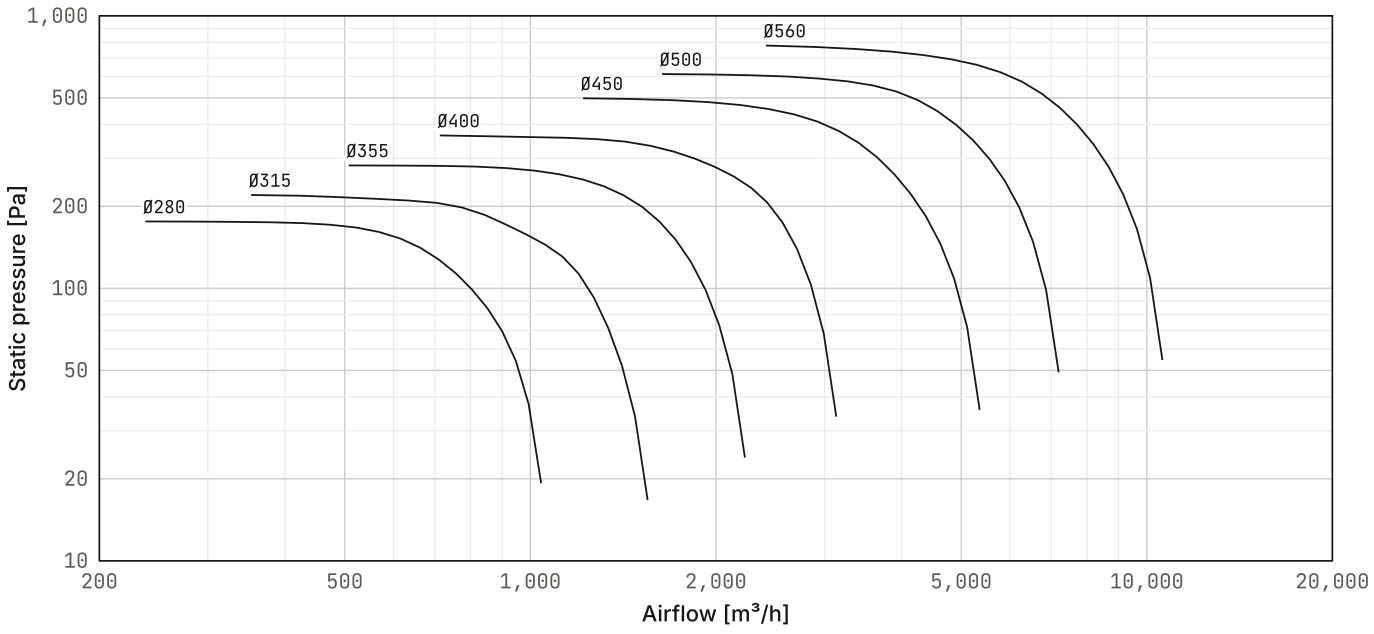
The casing is made of galvanized sheet steel with rectangular connections. It can be installed as a cabinet unit or in-line, with horizontal or vertical discharge. Backward-curved galvanized impellers cover sizes from Ø280 to Ø560 mm.

Direct-drive 4-pole WAT asynchronous motors (TEFC) with IP55 protection and class F insulation are rated for continuous S1 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 +120 °C. Standards: IEC 60335-2-80, ISO 1940-1.

AIRFLOW UP TO	STATIC PRESSURE UP TO	IMPELLER Ø	MOTOR POWER
11,086* m³/h	784* Pa	280 – 560 mm	0.25 – 1.5 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,400 – 1,449 min⁻¹	400 V 3~ · 50 Hz	120°C	IE3 standard · EC / IE4 on request · IP55 · F

Selection chart

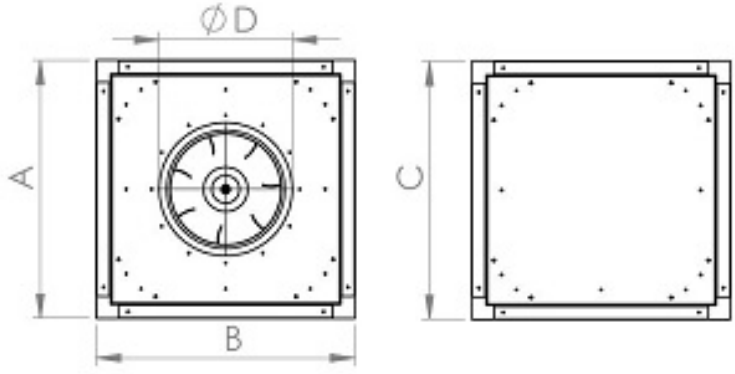
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor. *



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-SDF-M 280 IE3	280	0.25	1,435	400 V 3~	0.7	1,089*	181*	37	–
AS-SDF-M 315 IE3	315	0.25	1,400	400 V 3~	0.8	1,620*	223*	38	–
AS-SDF-M 355 IE3	355	0.37	1,428	400 V 3~	1.1	2,330*	287*	43	–
AS-SDF-M 400 IE3	400	0.55	1,425	400 V 3~	1.4	3,278*	367*	45	–
AS-SDF-M 450 IE3	450	0.75	1,447	400 V 3~	1.8	5,600	500	50	65
AS-SDF-M 500 IE3	500	1.1	1,447	400 V 3~	2.6	7,522*	612*	53	80
AS-SDF-M 560 IE3	560	1.5	1,449	400 V 3~	3.2	11,086*	784*	56	95

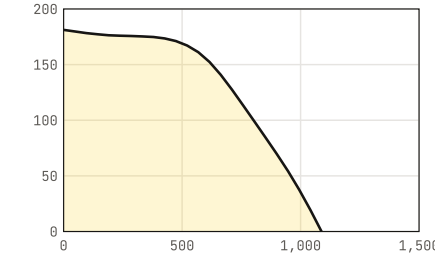
Dimensions [mm]



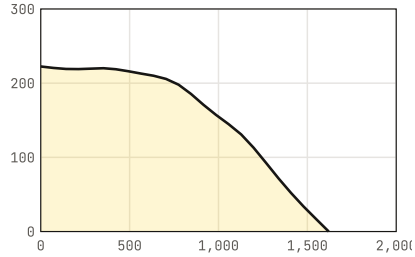
Model	A	B	C	D
AS-SDF-M 280	450	450	450	280
AS-SDF-M 315	500	500	500	315
AS-SDF-M 355	500	500	500	355
AS-SDF-M 400	600	600	600	400
AS-SDF-M 450	700	700	700	450
AS-SDF-M 500	800	800	800	500
AS-SDF-M 560	900	900	900	560

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

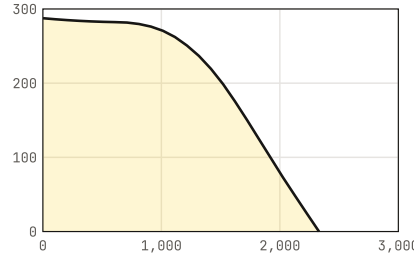
AS-SDF-M 280 1,435 min⁻¹ · 0.25 kW



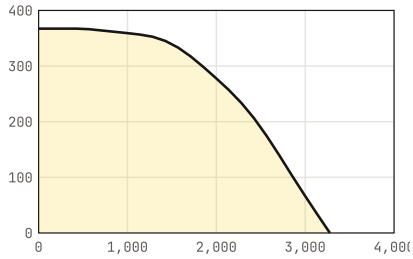
AS-SDF-M 315 1,400 min⁻¹ · 0.25 kW



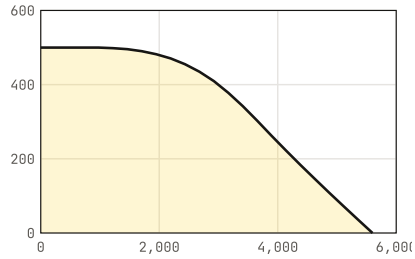
AS-SDF-M 355 1,428 min⁻¹ · 0.37 kW



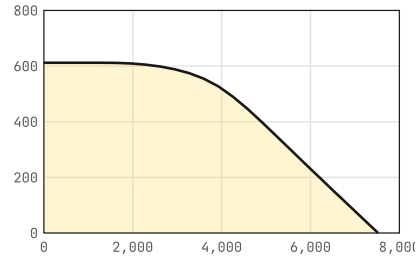
AS-SDF-M 400 1,425 min⁻¹ · 0.55 kW



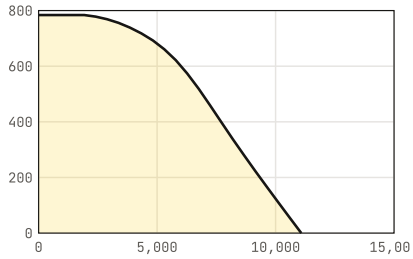
AS-SDF-M 450 1,447 min⁻¹ · 0.75 kW



AS-SDF-M 500 1,447 min⁻¹ · 1.1 kW



AS-SDF-M 560 1,449 min⁻¹ · 1.5 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-SDF-M 280	23	34	49	48	49	47	44	39	**55**	37
AS-SDF-M 315	24	35	50	49	50	48	45	40	**56**	38
AS-SDF-M 355	29	40	55	54	55	53	50	45	**61**	43
AS-SDF-M 400	31	42	57	56	57	55	52	47	**63**	45
AS-SDF-M 450	36	47	62	61	62	60	57	52	**68**	50
AS-SDF-M 500	39	50	65	64	65	63	60	55	**71**	53
AS-SDF-M 560	42	53	68	67	68	66	63	58	**74**	56

Notes

* Curve scaled to the speed of the standard motor with the fan laws ($Q \propto n$, $p \propto n^2$).
Sound pressure level at 1 m (free field) from the AEROMIS product database.
FEG shown for models that meet ErP 2026 (EU 2024/1834).
7 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.