D01 · KITCHEN EXTRACT FANS

AS-MEF

Commercial Kitchen Hood Fans



AS-MEF kitchen hood fans connect to kitchen hoods and extract smoke from cooking equipment such as stoves, grills and frying counters. This keeps the kitchen air clean and prevents heavy odours. The motor, outside the airflow, is not affected by oily and sooty exhaust air, and an easy-access panel allows impeller cleaning.

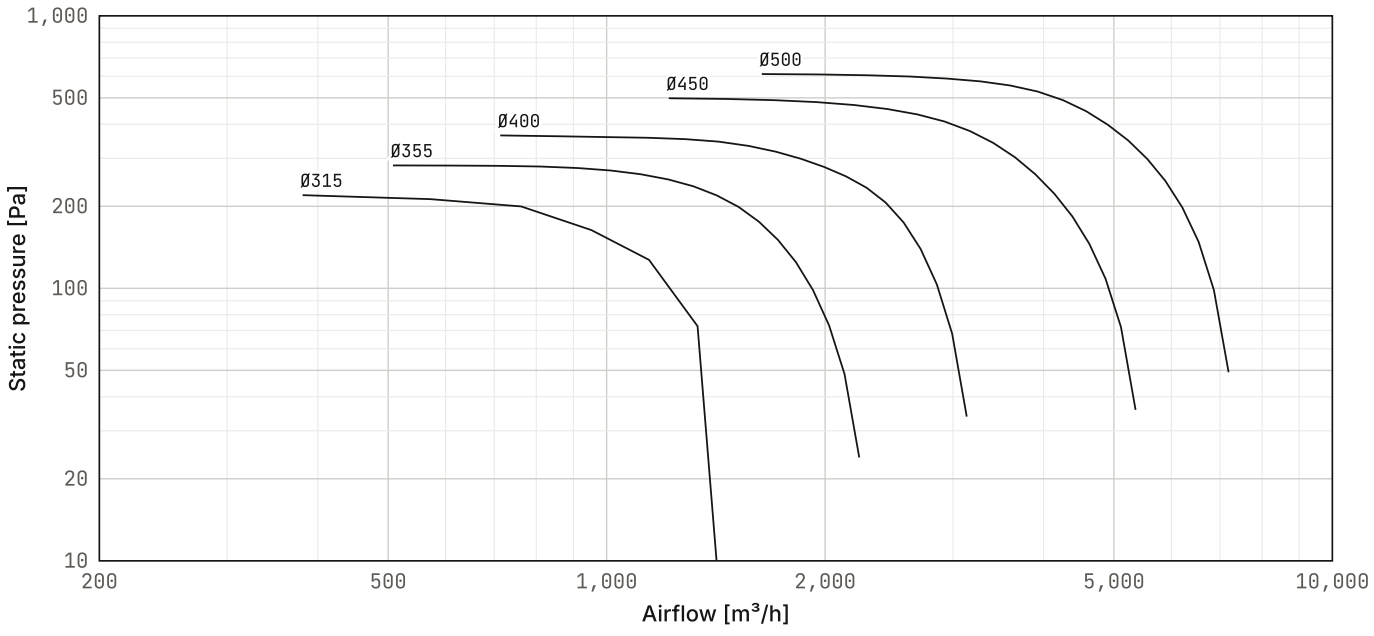
The casing is made of galvanized sheet steel with round connections. It can be installed as a cabinet unit or in-line in the duct, with horizontal air discharge. Backward-curved galvanized impellers, balanced to ISO 1940-1, cover sizes from Ø315 to Ø500 mm.

The direct-drive, 4-pole WAT asynchronous motors are totally enclosed and fan-cooled (TEFC), with IP55 protection and class F insulation, 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
7,522* m³/h	612* Pa	315 – 500 mm	0.25 – 1.1 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,400 – 1,447 min⁻¹	400 V 3~ · 50 Hz	120°C	IE3 standard · EC / IE4 on request · IP55 · F

Selection chart

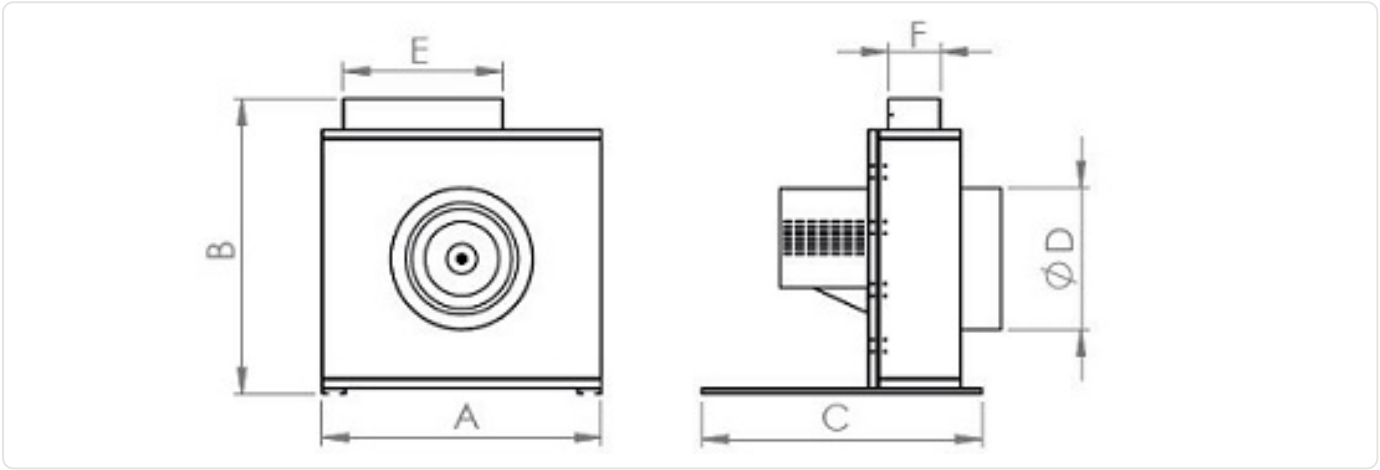
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor. *



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-MEF 315 IE3	315	0.25	1,400	400 V 3~	0.8	1,525*	223*	37	–
AS-MEF 355 IE3	355	0.37	1,428	400 V 3~	1.1	2,330*	287*	41	–
AS-MEF 400 IE3	400	0.55	1,425	400 V 3~	1.4	3,278*	367*	42	–
AS-MEF 450 IE3	450	0.75	1,447	400 V 3~	1.8	5,600	500	45	65
AS-MEF 500 IE3	500	1.1	1,447	400 V 3~	2.6	7,522*	612*	49	80

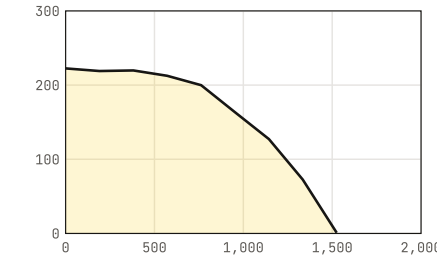
Dimensions [mm]



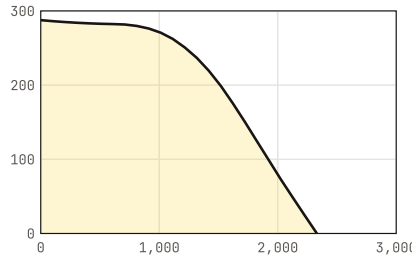
Model	A	B	C	D	E	F
AS-MEF 315	650	690	700	315	300	110
AS-MEF 355	700	740	700	355	400	130
AS-MEF 400	750	790	700	400	400	150
AS-MEF 450	800	840	700	450	400	170
AS-MEF 500	850	890	700	500	440	190

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

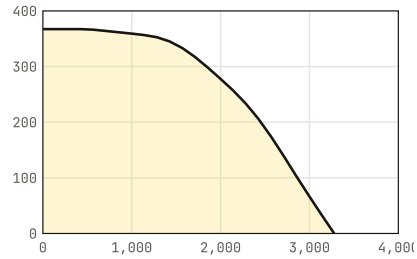
AS-MEF 315 1,400 min⁻¹ · 0.25 kW



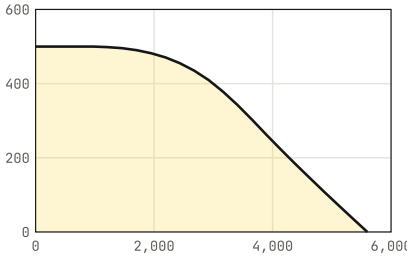
AS-MEF 355 1,428 min⁻¹ · 0.37 kW



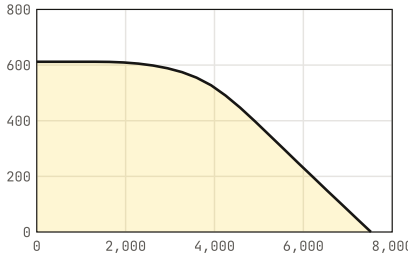
AS-MEF 400 1,425 min⁻¹ · 0.55 kW



AS-MEF 450 1,447 min⁻¹ · 0.75 kW



AS-MEF 500 1,447 min⁻¹ · 1.1 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-MEF 315	23	34	49	48	49	47	44	39	**55**	37
AS-MEF 355	27	38	53	52	53	51	48	43	**59**	41
AS-MEF 400	28	39	54	53	54	52	49	44	**60**	42
AS-MEF 450	31	42	57	56	57	55	52	47	**63**	45
AS-MEF 500	35	46	61	60	61	59	56	51	**67**	49

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).
5 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.