E01 · WALL FANS

AS-AX-SP

Industrial Plastic Blade Axial Fans



AS-AX-SP axial fans with plastic blades have a square body that allows easy wall mounting. A protective wire guard and electrostatic powder coating are provided as standard, and the blades can be produced in aluminium on request.

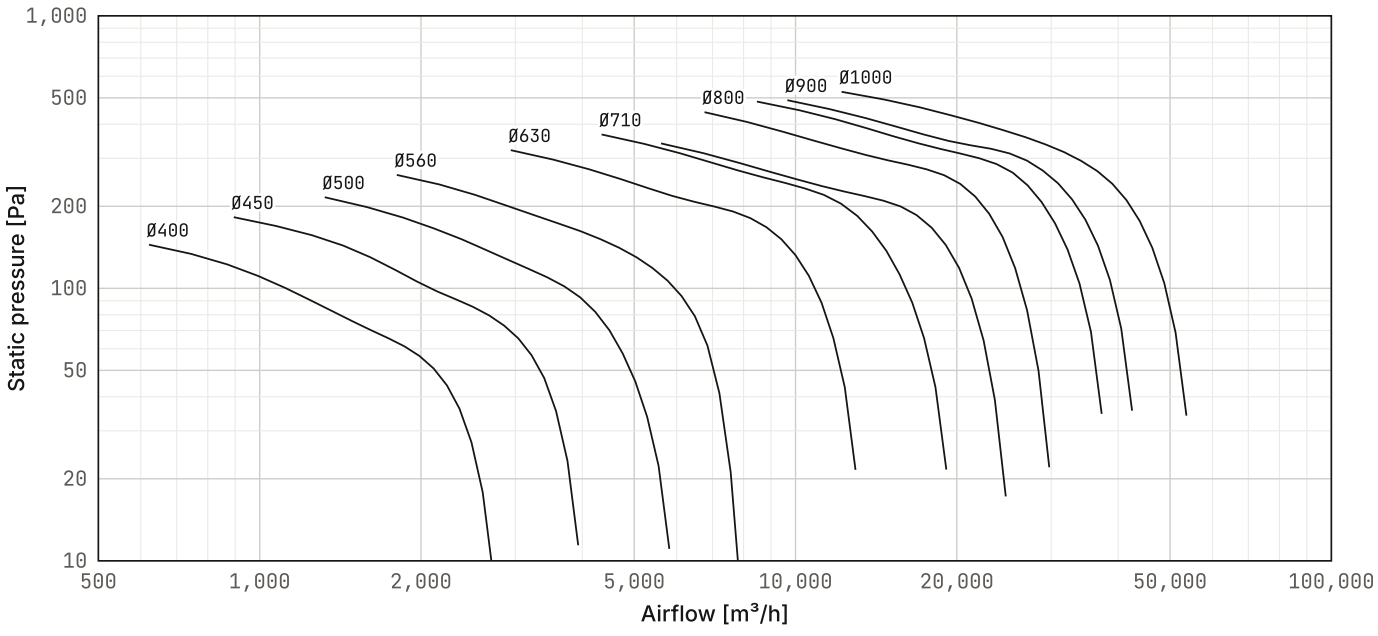
The body is made of galvanized sheet steel and has a prismatic connection. Besides wall mounting, in-line and roof installation are possible, with horizontal or vertical air discharge. The 5-blade plastic impellers, balanced to ISO 1940-1, cover sizes from Ø400 to Ø1,000 mm.

The direct-drive, totally enclosed fan-cooled (TEFC) 4-pole WAT motors have IP55 protection and class F insulation and are rated for continuous S1 duty. IE3 efficiency is standard; IE4 and EC motors are available on request. Versions for 400 V 3~ 50 Hz and 380 V 3~ 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
56,082* m³/h	681* Pa	400 – 1,000 mm	0.37 – 7.5 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,425 – 1,467 min⁻¹	400 V 3~ · 50 Hz	50°C	IE3 standard · EC / IE4 on request · IP55 · F

Selection chart

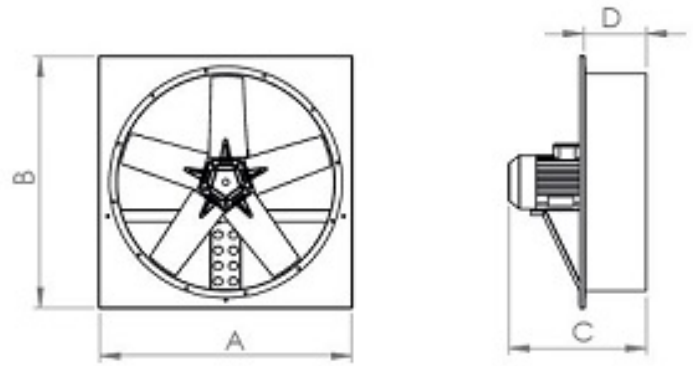
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor. *



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-AX-SP 400-5-25 IE3	400	0.37	1,428	400 V 3~	1.1	2,856*	192*	55	–
AS-AX-SP 450-5-25 IE3	450	0.55	1,425	400 V 3~	1.4	4,111*	242*	69	–
AS-AX-SP 500-5-25 IE3	500	0.55	1,425	400 V 3~	1.4	6,080*	293*	72	40
AS-AX-SP 560-5-25 IE3	560	0.75	1,447	400 V 3~	1.8	8,291*	349*	75	50
AS-AX-SP 630-5-30 IE3	630	1.1	1,447	400 V 3~	2.6	13,531*	441*	80	75
AS-AX-SP 710-5-30 IE3	710	1.5	1,449	400 V 3~	3.2	19,983*	506*	83	90
AS-AX-SP 800-5-30 IE3	800	2.2	1,452	400 V 3~	5.5	25,805*	475*	85	85
AS-AX-SP 800-5-35 IE3	800	3.0	1,445	400 V 3~	6.2	31,113*	618*	89	85
AS-AX-SP 900-5-35 IE3	900	4.0	1,455	400 V 3~	8.3	38,971*	650*	90	85
AS-AX-SP 900-5-40 IE3	900	5.5	1,443	400 V 3~	11.3	44,408*	667*	93	70
AS-AX-SP 1000-5-40 IE3	1,000	7.5	1,467	400 V 3~	15.2	56,082*	681*	94	60

Dimensions [mm]



Model	A	B	C	D
AS-AX-SP 400-5-25	570	570	400	200
AS-AX-SP 450-5-25	610	610	410	200
AS-AX-SP 500-5-25	650	650	410	200
AS-AX-SP 560-5-25	680	680	410	200
AS-AX-SP 630-5-30	750	750	420	200
AS-AX-SP 710-5-30	830	830	450	200
AS-AX-SP 800-5-30	920	920	480	200
AS-AX-SP 800-5-35	930	930	480	200
AS-AX-SP 900-5-35	1,020	1,020	590	300
AS-AX-SP 900-5-40	1,020	1,020	590	300
AS-AX-SP 1000-5-40	1,120	1,120	700	300

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-AX-SP 400-5-25	31	42	57	56	57	55	52	47	**63**	55
AS-AX-SP 450-5-25	45	56	71	70	71	69	66	61	**77**	69
AS-AX-SP 500-5-25	48	59	74	73	74	72	69	64	**80**	72
AS-AX-SP 560-5-25	51	62	77	76	77	75	72	67	**83**	75
AS-AX-SP 630-5-30	56	67	82	81	82	80	77	72	**88**	80
AS-AX-SP 710-5-30	59	70	85	84	85	83	80	75	**91**	83
AS-AX-SP 800-5-30	61	72	87	86	87	85	82	77	**93**	85
AS-AX-SP 800-5-35	65	76	91	90	91	89	86	81	**97**	89
AS-AX-SP 900-5-35	66	77	92	91	92	90	87	82	**98**	90
AS-AX-SP 900-5-40	69	80	95	94	95	93	90	85	**101**	93
AS-AX-SP 1000-5-40	70	81	96	95	96	94	91	86	**102**	94

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