B01 · INDUSTRIAL DUCT FANS

AS-AX

Industrial Axial Pressurization Fans



AS-AX axial pressurization fans deliver large volumes of fresh air to pressurize stairwells, elevator shafts and similar spaces. They are equally suited to supply and extract duties in ducted systems with high airflow requirements.

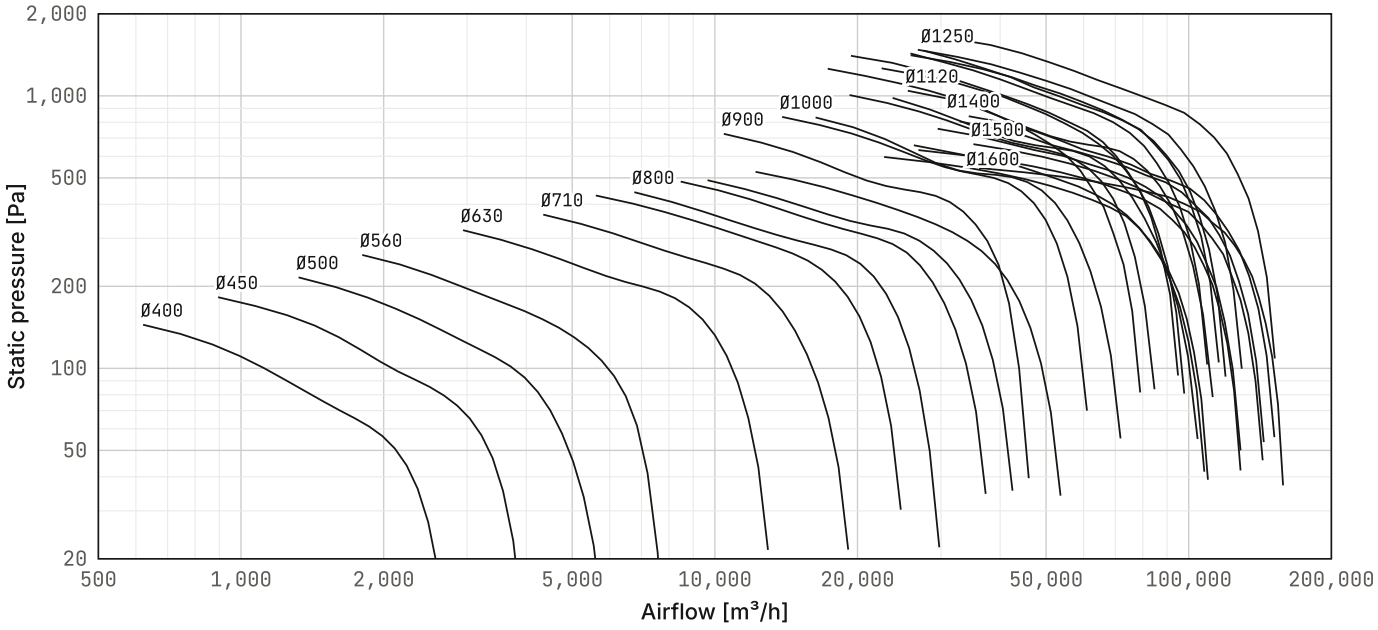
The casing is made of galvanized sheet steel with round flanged connections. The fan can be installed in-line in a duct, on a wall or on a roof, with horizontal or vertical air discharge. Aluminium impellers with 5, 6, 8 or 12 blades, balanced to ISO 1940-1, cover sizes from Ø400 to Ø1,600 mm.

The direct-drive, totally enclosed fan-cooled (TEFC) motors are 4-, 6- or 8-pole WAT motors with IP55 protection and class F insulation, rated for continuous S1 duty. IE3 efficiency is standard; IE4 and EC motors are available on request. 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
161,806* m³/h	2,141* Pa	400 – 1,600 mm	0.37 – 75 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
983 – 1,492 min⁻¹	400 V 3~ · 50 Hz	50°C	IE3 / IE4 standard · EC on request · IP55 · F

Selection chart

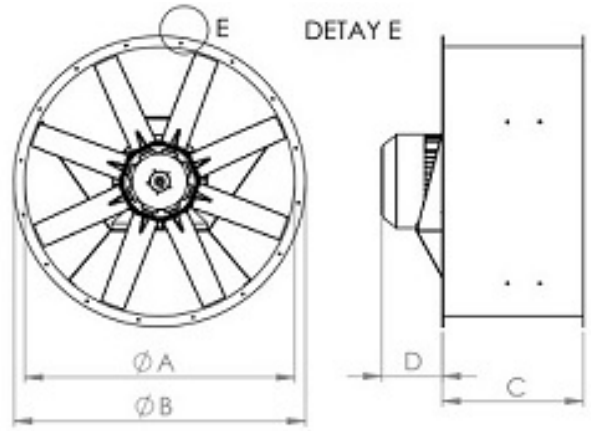
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor. *



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 400-5-25 IE3	400	0.37	1,428	400 V 3~	1.1	2,856*	192*	55	–
AS-AX 450-5-25 IE3	450	0.55	1,425	400 V 3~	1.4	4,111*	242*	69	–
AS-AX 500-5-25 IE3	500	0.55	1,425	400 V 3~	1.4	6,080*	293*	72	40
AS-AX 560-5-25 IE3	560	0.75	1,447	400 V 3~	1.8	8,291*	349*	75	50
AS-AX 630-5-30 IE3	630	1.1	1,447	400 V 3~	2.6	13,531*	441*	80	75
AS-AX 710-5-30 IE3	710	1.5	1,449	400 V 3~	3.2	19,983*	506*	83	90
AS-AX 800-5-30 IE3	800	2.2	1,452	400 V 3~	5.5	25,800	577	85	90
AS-AX 800-5-35 IE3	800	3.0	1,445	400 V 3~	6.2	31,113*	618*	89	85
AS-AX 900-5-35 IE3	900	4.0	1,455	400 V 3~	8.3	38,971*	650*	90	85
AS-AX 900-5-40 IE3	900	5.5	1,443	400 V 3~	11.3	44,408*	667*	93	70
AS-AX 900-8-40 IE3	900	15.0	1,477	400 V 3~	30.9	48,047*	978*	94	50
AS-AX 1000-5-40 IE3	1,000	7.5	1,467	400 V 3~	15.2	56,082*	681*	94	60
AS-AX 1000-8-40 IE3	1,000	18.5	1,474	400 V 3~	36.7	63,781*	1,105*	97	55
AS-AX 1000-8-45 IE3	1,000	22.0	1,473	400 V 3~	45.0	75,065*	1,139*	99	50
AS-AX 1120-8-40 IE3	1,120	22.0	1,483	400 V 3~	43.3	88,520*	1,321*	100	65
AS-AX 1120-8-45 IE3	1,120	30.0	1,483	400 V 3~	59.0	109,162*	1,361*	102	50
AS-AX 1120-12-50 IE3	1,120	45.0	1,480	400 V 3~	86.9	117,488*	1,315*	110	45
AS-AX-1250-6-24 IE3	1,250	22.0	1,483	400 V 3~	43.3	81,963*	1,623*	90	85
AS-AX-1250-6-28 IE3	1,250	37.0	1,485	400 V 3~	72.3	98,387*	1,844*	93	80
AS-AX-1250-6-32 IE3	1,250	55.0	1,478	400 V 3~	99.0	113,506*	2,032*	96	70
AS-AX-1250-6-34 IE3	1,250	55.0	1,478	400 V 3~	99.0	120,079*	2,081*	97	65
AS-AX-1400-6-24 IE3	1,400	30.0	1,483	400 V 3~	59.0	101,472*	1,606*	90	85
AS-AX-1400-6-28 IE3	1,400	45.0	1,480	400 V 3~	86.9	123,957*	1,827*	94	80
AS-AX-1400-6-30 IE3	1,400	55.0	1,478	400 V 3~	99.0	134,067*	1,934*	96	70
AS-AX-1400-6-34 IE4	1,400	75.0	1,492	400 V 3~	127.9	157,593*	2,141*	98	70
AS-AX-1500-6-32 IE3	1,500	22.0	983	400 V 3~	50.5	112,964*	701*	89	60
AS-AX-1500-6-36	1,500	22.0	1,000	400 V 3~	47.5	132,138	741	91	60
AS-AX-1500-6-40	1,500	30.0	1,000	400 V 3~	63.0	147,466	832	94	50
AS-AX-1500-6-44	1,500	37.0	1,000	400 V 3~	75.0	161,806	622	95	40
AS-AX-1600-6-26 IE3	1,600	22.0	983	400 V 3~	50.5	111,839*	825*	87	70
AS-AX-1600-6-30	1,600	22.0	1,000	400 V 3~	47.5	133,196	968	90	70
AS-AX-1600-6-34	1,600	30.0	1,000	400 V 3~	63.0	149,064	1,031	92	55
AS-AX-1600-6-36	1,600	37.0	1,000	400 V 3~	75.0	157,106	1,081	93	50

Dimensions [mm]



Model	A	B	C	D	E
AS-AX 400-5-25	400	480	320	30	11
AS-AX 450-5-25	450	530	320	50	11
AS-AX 500-5-25	500	580	320	70	11
AS-AX 560-5-25	560	640	320	60	11
AS-AX 630-5-30	630	710	420	45	11
AS-AX 710-5-30	710	790	420	25	11
AS-AX 800-5-30	800	880	420	50	11
AS-AX 800-5-35	800	880	420	50	11
AS-AX 900-5-35	900	980	520	0	11
AS-AX 900-5-40	900	980	520	35	11
AS-AX 900-8-40	900	980	520	75	11
AS-AX 1000-5-40	1,000	1,080	520	150	11
AS-AX 1000-8-40	1,000	1,080	520	180	11
AS-AX 1000-8-45	1,000	1,080	520	250	11
AS-AX 1120-8-40	1,120	1,200	520	250	11
AS-AX 1120-8-45	1,120	1,200	520	300	11
AS-AX 1120-12-50	1,120	1,200	520	300	11
AS-AX-1250-6-24	1,250	1,350	1,120	0	11
AS-AX-1250-6-28	1,250	1,350	1,120	0	11
AS-AX-1250-6-32	1,250	1,350	1,120	0	11
AS-AX-1250-6-34	1,250	1,350	1,120	0	11
AS-AX-1400-6-24	1,400	1,500	1,200	0	11
AS-AX-1400-6-28	1,400	1,500	1,200	0	11
AS-AX-1400-6-30	1,400	1,500	1,200	0	11
AS-AX-1400-6-34	1,400	1,500	1,200	0	11
AS-AX-1500-6-32	1,500	–	–	–	–
AS-AX-1500-6-36	1,500	–	–	–	–
AS-AX-1500-6-40	1,500	–	–	–	–
AS-AX-1500-6-44	1,500	–	–	–	–
AS-AX-1600-6-26	1,600	–	–	–	–
AS-AX-1600-6-30	1,600	–	–	–	–
AS-AX-1600-6-34	1,600	–	–	–	–
AS-AX-1600-6-36	1,600	–	–	–	–

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 400-5-25	31	42	57	56	57	55	52	47	**63**	55
AS-AX 450-5-25	45	56	71	70	71	69	66	61	**77**	69
AS-AX 500-5-25	48	59	74	73	74	72	69	64	**80**	72
AS-AX 560-5-25	51	62	77	76	77	75	72	67	**83**	75
AS-AX 630-5-30	56	67	82	81	82	80	77	72	**88**	80
AS-AX 710-5-30	59	70	85	84	85	83	80	75	**91**	83
AS-AX 800-5-30	61	72	87	86	87	85	82	77	**93**	85
AS-AX 800-5-35	65	76	91	90	91	89	86	81	**97**	89
AS-AX 900-5-35	66	77	92	91	92	90	87	82	**98**	90
AS-AX 900-5-40	69	80	95	94	95	93	90	85	**101**	93
AS-AX 900-8-40	70	81	96	95	96	94	91	86	**102**	94
AS-AX 1000-5-40	70	81	96	95	96	94	91	86	**102**	94
AS-AX 1000-8-40	73	84	99	98	99	97	94	89	**105**	97
AS-AX 1000-8-45	75	86	101	100	101	99	96	91	**107**	99
AS-AX 1120-8-40	76	87	102	101	102	100	97	92	**108**	100
AS-AX 1120-8-45	78	89	104	103	104	102	99	94	**110**	102
AS-AX 1120-12-50	86	97	112	111	112	110	107	102	**118**	110
AS-AX-1250-6-24	67	84	87	92	93	91	88	83	**98**	90
AS-AX-1250-6-28	70	87	90	95	96	94	91	86	**101**	93
AS-AX-1250-6-32	73	90	93	98	99	97	94	89	**104**	96
AS-AX-1250-6-34	74	91	94	99	100	98	95	90	**105**	97
AS-AX-1400-6-24	67	84	87	92	93	91	88	83	**98**	90
AS-AX-1400-6-28	71	88	91	96	97	95	92	87	**102**	94
AS-AX-1400-6-30	73	90	93	98	99	97	94	89	**104**	96
AS-AX-1400-6-34	75	92	95	100	101	99	96	91	**106**	98
AS-AX-1500-6-32	66	83	86	91	92	90	87	82	**97**	89
AS-AX-1500-6-36	68	85	88	93	94	92	89	84	**99**	91
AS-AX-1500-6-40	71	88	91	96	97	95	92	87	**102**	94
AS-AX-1500-6-44	72	89	92	97	98	96	93	88	**103**	95
AS-AX-1600-6-26	64	81	84	89	90	88	85	80	**95**	87
AS-AX-1600-6-30	67	84	87	92	93	91	88	83	**98**	90
AS-AX-1600-6-34	69	86	89	94	95	93	90	85	**100**	92
AS-AX-1600-6-36	70	87	90	95	96	94	91	86	**101**	93

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).
28 model(s) also available for 60 Hz — see the fan selector.
— not available yet
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.