C04 · ROOF FANS

AS-AXR-VI

Industrial Roof Type Vertical Discharge Axial Fans



Unlike conventional roof type fans, AS-AXR-VI fans discharge air vertically rather than horizontally. The air is thrown up to 10 metres high, so it is not affected by enclosed surroundings around the fan, and people nearby are not exposed to horizontally blown air.

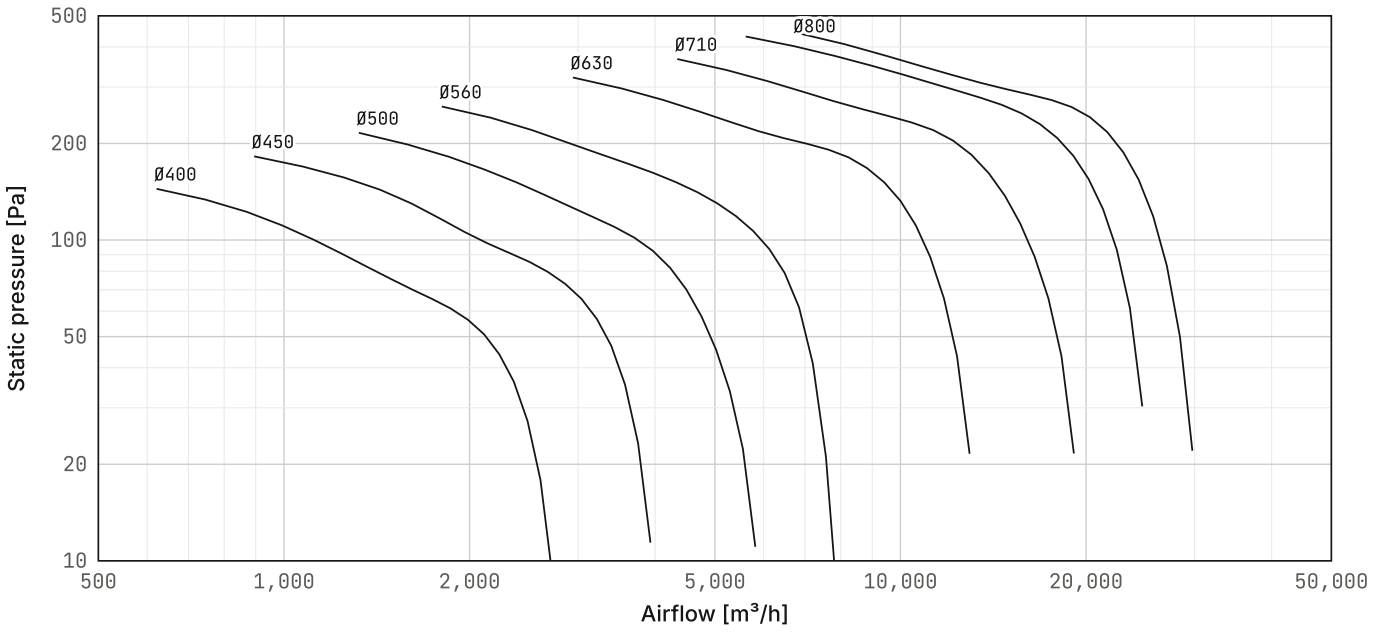
The casing is made of galvanized sheet steel with electrostatic powder coating. The fan is designed for roof installation, has a prismatic connection and discharges air vertically. Aluminium impellers with 5 blades, balanced to ISO 1940-1, cover sizes from Ø400 to Ø800 mm.

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
31,113* m³/h	618* Pa	400 – 800 mm	0.37 – 3.0 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,425 – 1,452 min⁻¹	400 V 3~ · 50 Hz	50°C	IE3 standard · EC / IE4 on request · IP55 · F

Selection chart

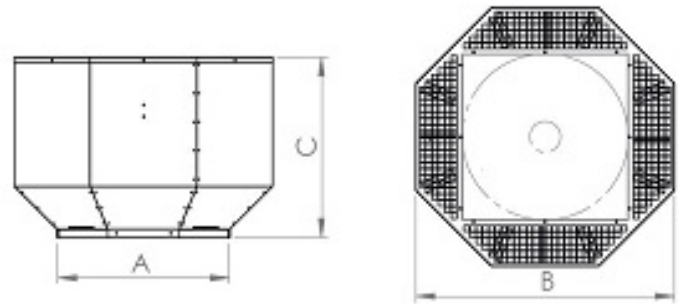
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor. *



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-AXR-VI 400-5-25 IE3	400	0.37	1,428	400 V 3~	1.1	2,856*	192*	66	–
AS-AXR-VI 450-5-25 IE3	450	0.55	1,425	400 V 3~	1.4	4,111*	242*	69	–
AS-AXR-VI 500-5-25 IE3	500	0.55	1,425	400 V 3~	1.4	6,080*	293*	72	40
AS-AXR-VI 560-5-25 IE3	560	0.75	1,447	400 V 3~	1.8	8,291*	349*	75	50
AS-AXR-VI 630-5-30 IE3	630	1.1	1,447	400 V 3~	2.6	13,531*	441*	80	75
AS-AXR-VI 710-5-30 IE3	710	1.5	1,449	400 V 3~	3.2	19,983*	506*	83	90
AS-AXR-VI 800-5-30 IE3	800	2.2	1,452	400 V 3~	5.5	25,800	577	85	90
AS-AXR-VI 800-5-35 IE3	800	3.0	1,445	400 V 3~	6.2	31,113*	618*	89	85

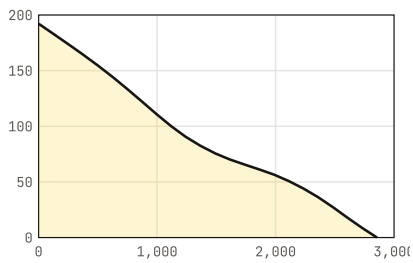
Dimensions [mm]



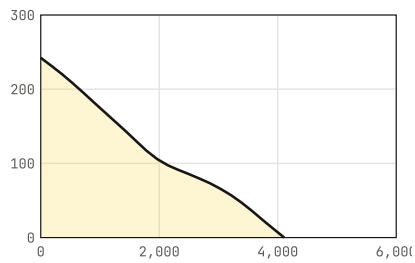
Model	A	B	C
AS-AXR-VI 400-5-25	500	800	600
AS-AXR-VI 450-5-25	550	850	600
AS-AXR-VI 500-5-25	600	900	630
AS-AXR-VI 560-5-25	660	960	630
AS-AXR-VI 630-5-30	730	1,030	700
AS-AXR-VI 710-5-30	810	1,110	700
AS-AXR-VI 800-5-30	900	1,200	750
AS-AXR-VI 800-5-35	900	1,200	750

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

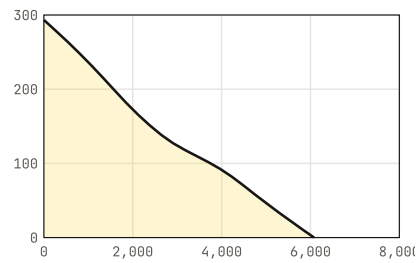
AS-AXR-VI 400-5-25 1,428 min⁻¹ · 0.37 kW



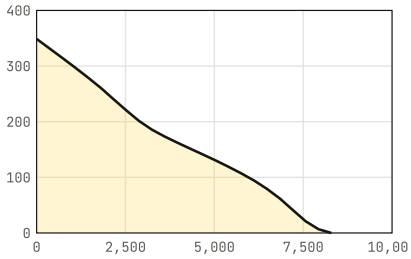
AS-AXR-VI 450-5-25 1,425 min⁻¹ · 0.55 kW



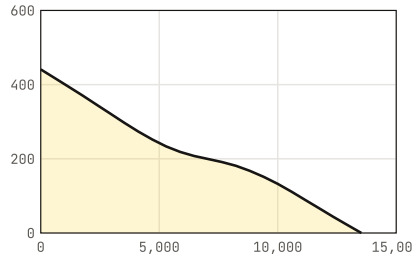
AS-AXR-VI 500-5-25 1,425 min⁻¹ · 0.55 kW



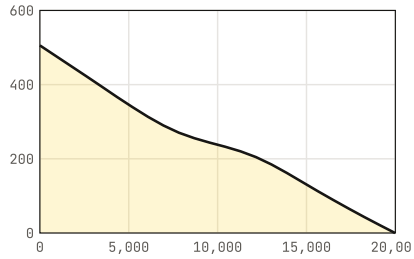
AS-AXR-VI 560-5-25 1,447 min⁻¹ · 0.75 kW



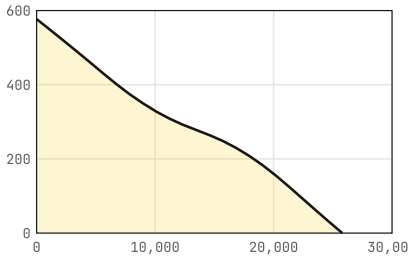
AS-AXR-VI 630-5-30 1,447 min⁻¹ · 1.1 kW



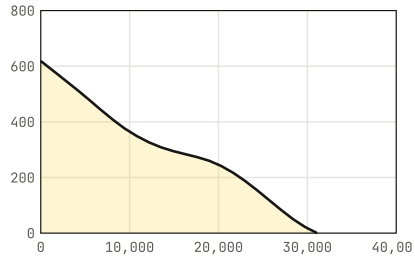
AS-AXR-VI 710-5-30 1,449 min⁻¹ · 1.5 kW



AS-AXR-VI 800-5-30 1,452 min⁻¹ · 2.2 kW



AS-AXR-VI 800-5-35 1,445 min⁻¹ · 3.0 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-AXR-VI 400-5-25	42	53	68	67	68	66	63	58	**74**	66
AS-AXR-VI 450-5-25	45	56	71	70	71	69	66	61	**77**	69
AS-AXR-VI 500-5-25	48	59	74	73	74	72	69	64	**80**	72
AS-AXR-VI 560-5-25	51	62	77	76	77	75	72	67	**83**	75
AS-AXR-VI 630-5-30	56	67	82	81	82	80	77	72	**88**	80
AS-AXR-VI 710-5-30	59	70	85	84	85	83	80	75	**91**	83
AS-AXR-VI 800-5-30	61	72	87	86	87	85	82	77	**93**	85
AS-AXR-VI 800-5-35	65	76	91	90	91	89	86	81	**97**	89

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