C011 · ROOF FANS

AS-EXR-D

Industrial Roof Radial Smoke Exhaust Fans – F400



AS-EXR-D F400 roof fans are horizontal-discharge radial smoke exhaust fans that withstand 400 °C for two hours (F400) and are used to extract smoke in case of fire.

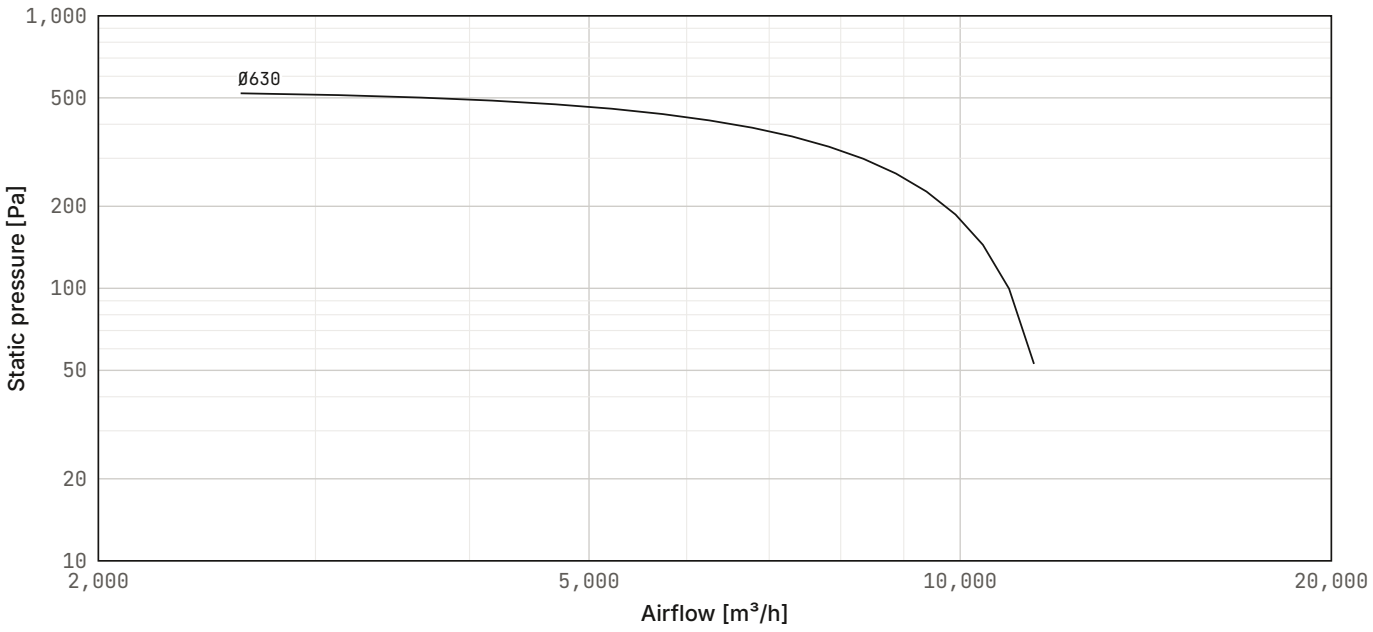
The casing is made of galvanized sheet steel with an electrostatic powder coating. The fan is designed for roof installation, with round or rectangular connections. The backward-curved impeller is made of galvanized steel; size Ø630 mm.

The three-phase, 6-pole WAT motor has IP55 protection, class F insulation and IE3 efficiency. Standard: EN 12101-3.

AIRFLOW UP TO	STATIC PRESSURE UP TO	IMPELLER Ø	MOTOR POWER
12,000 m³/h	528 Pa	630 mm	1.1 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
943 min⁻¹	400 V 3~ · 50 Hz	400°C/2h	IE3 F400 standard · IP55 · F

Selection chart

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

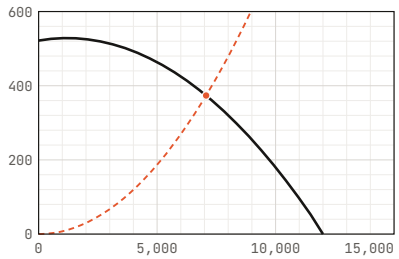


Technical data 50 Hz

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-EXR-D 630-F400 IE3 F400	630	1.1	943	400 V 3~	3.0	12,000	528	65	100

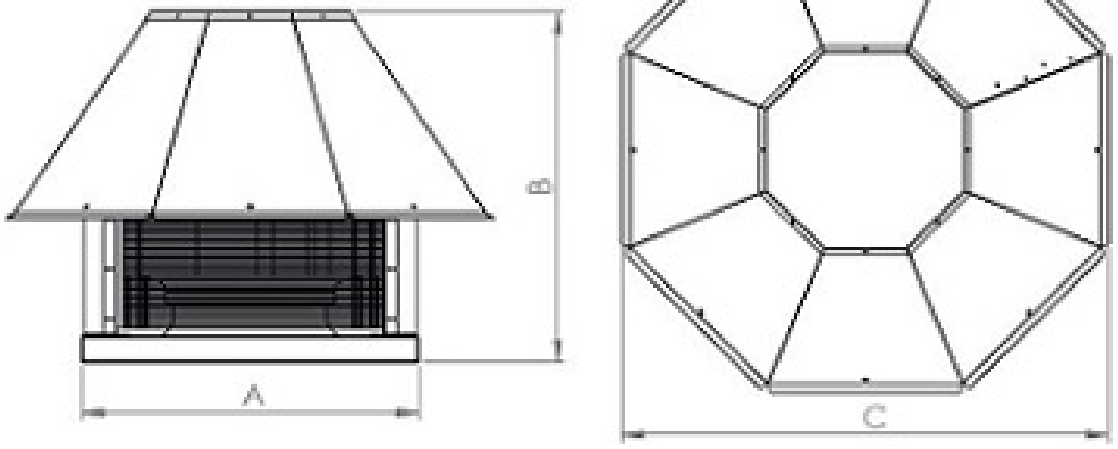
Performance curves Static pressure [Pa] – airflow [m³/h], 1.204 kg/m³ · red dashed: system curve through the optimum point

AS-EXR-D 630-F400 943 min⁻¹ · 1.1 kW



Dimensions [mm]

Model	A	B	C
AS-EXR-D 630-F400	750	845	900



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-EXR-D 630-F400	52	66	74	78	77	74	68	62	**82**	65

Notes

Red dashed line: system curve through the best efficiency point (filled dot, database ErP data). Where the database has no BEP, the point is taken at 75 % of the maximum airflow on the fan curve (open dot, estimate).

Sound pressure level at 1 m (free field) from the AEROMIS product database.

FEG shown for models that meet ErP 2026 (EU 2024/1834).

Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.