H01 · CENTRIFUGAL FANS

AS-RFL

Commercial Backward-Curved Scroll Fans



AS-RFL scroll fans can be used in all kinds of ventilation projects. They feature high-flow impeller blades, a durable casing and a discharge outlet whose direction can be changed.

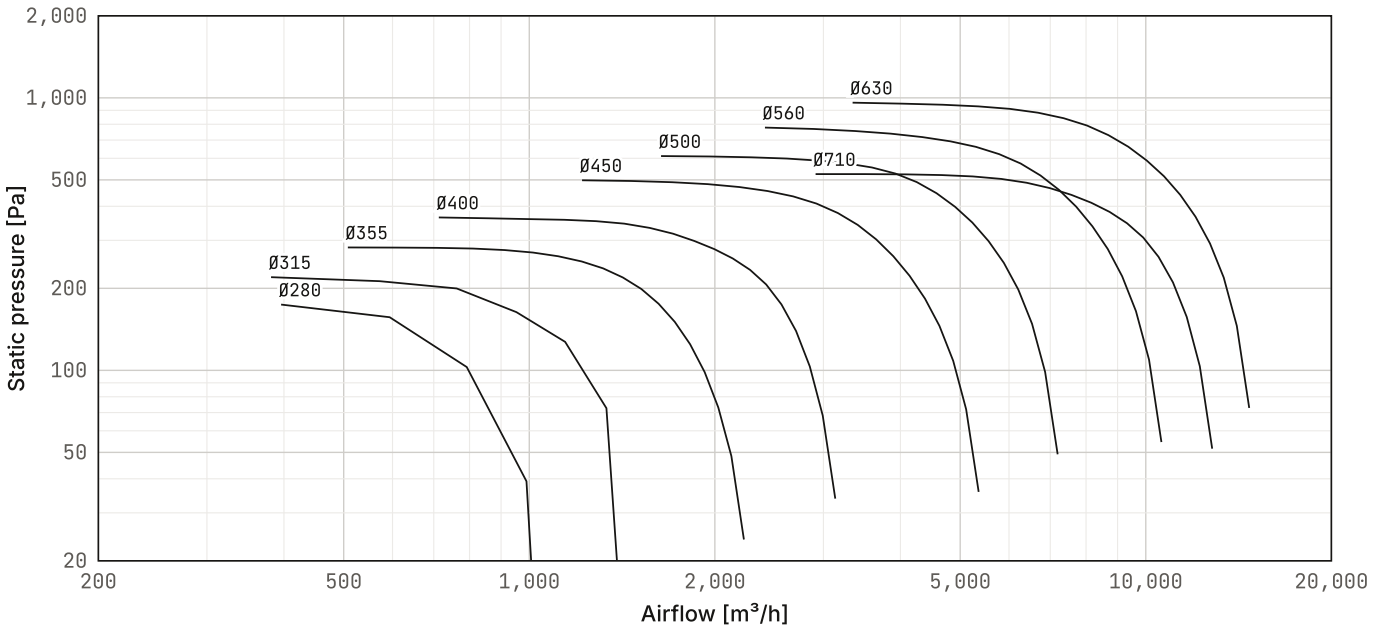
The scroll casing is made of galvanized sheet steel with an electrostatic powder coating, with round or rectangular connections. The fan can be installed in a cabinet or in-line, with horizontal or vertical air discharge. Backward-curved aluminium impellers, balanced to ISO 1940-1, cover sizes from Ø280 to Ø710 mm.

The direct-drive, totally enclosed fan-cooled (TEFC) asynchronous motors are 4-pole WAT motors with IP55 protection and class F insulation, rated for S1 and S2 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
15,386* m³/h	973* Pa	280 – 710 mm	0.25 – 4.0 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
950 – 1,449 min⁻¹	400 V 3~ · 50 Hz	50°C	IE3 standard · EC / IE4 on request · IP55 · F

Selection chart

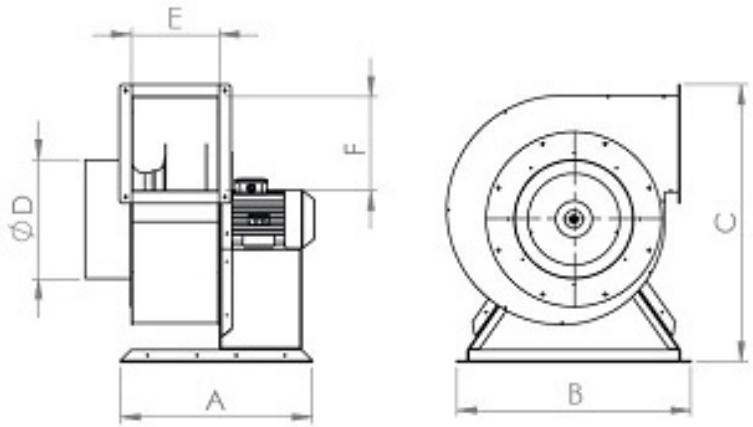
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor. *



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-RFL 280 IE3	280	0.25	1,435	400 V 3~	0.7	1,089*	181*	36	–
AS-RFL 315 IE3	315	0.25	1,400	400 V 3~	0.8	1,525*	223*	37	–
AS-RFL 355 IE3	355	0.37	1,428	400 V 3~	1.1	2,330*	287*	42	–
AS-RFL 400 IE3	400	0.55	1,425	400 V 3~	1.4	3,278*	367*	45	–
AS-RFL 450 IE3	450	0.75	1,447	400 V 3~	1.8	5,600	500	47	65
AS-RFL 500 IE3	500	1.1	1,447	400 V 3~	2.6	7,522*	612*	49	80
AS-RFL 560 IE3	560	1.5	1,449	400 V 3~	3.2	11,086*	784*	51	100
AS-RFL 630 IE3	630	3.0	1,445	400 V 3~	6.2	15,386*	973*	54	85
AS-RFL 710	710	4.0	950	400 V 3~	8.1	13,400	525	56	–

Dimensions [mm]

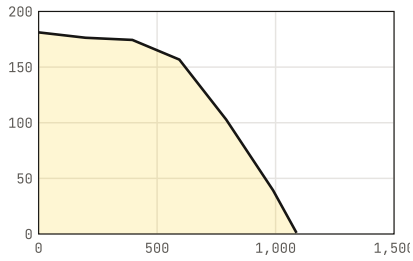


Model	A	B	C	D	E	F
AS-RFL 280	500	500	700	250	180	225
AS-RFL 315	500	500	700	250	180	225
AS-RFL 355	585	600	800	250	225	350
AS-RFL 400	570	670	840	280	245	290
AS-RFL 450	635	780	920	400	285	310
AS-RFL 500	635	800	940	400	285	320
AS-RFL 560	665	830	950	400	285	320
AS-RFL 630	710	880	1,025	450	300	370
AS-RFL 710	710	880	1,150	450	300	370

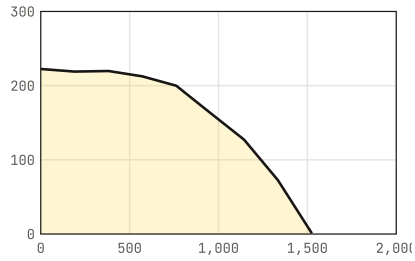
Performance curves

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

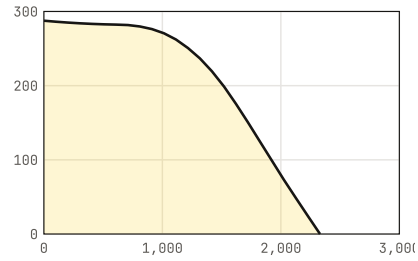
AS-RFL 280 1,435 min⁻¹ · 0.25 kW



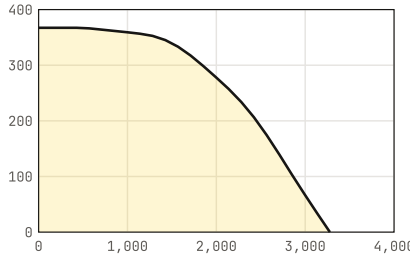
AS-RFL 315 1,400 min⁻¹ · 0.25 kW



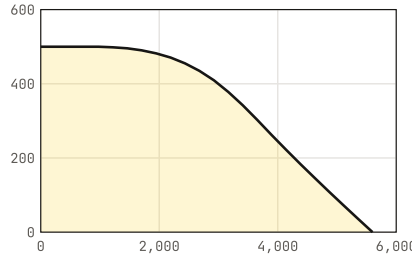
AS-RFL 355 1,428 min⁻¹ · 0.37 kW



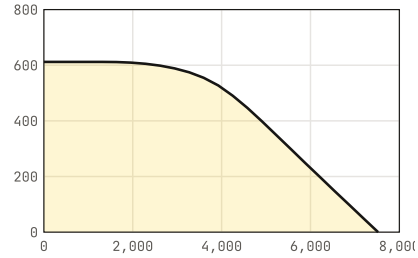
AS-RFL 400 1,425 min⁻¹ · 0.55 kW



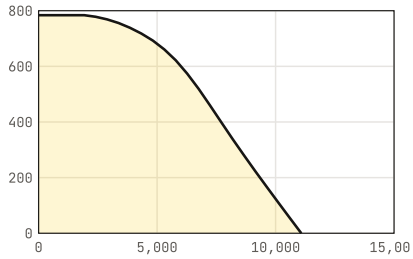
AS-RFL 450 1,447 min⁻¹ · 0.75 kW



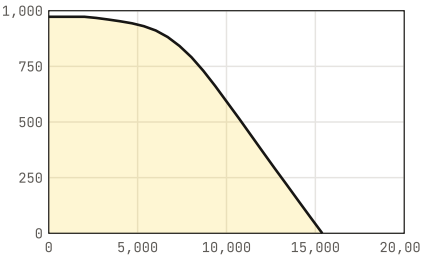
AS-RFL 500 1,447 min⁻¹ · 1.1 kW



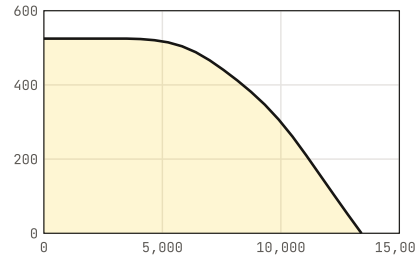
AS-RFL 560 1,449 min⁻¹ · 1.5 kW



AS-RFL 630 1,445 min⁻¹ · 3.0 kW



AS-RFL 710 950 min⁻¹ · 4.0 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-RFL 280	22	33	48	47	48	46	43	38	**54**	36
AS-RFL 315	23	34	49	48	49	47	44	39	**55**	37
AS-RFL 355	28	39	54	53	54	52	49	44	**60**	42
AS-RFL 400	31	42	57	56	57	55	52	47	**63**	45
AS-RFL 450	33	44	59	58	59	57	54	49	**65**	47
AS-RFL 500	35	46	61	60	61	59	56	51	**67**	49
AS-RFL 560	37	48	63	62	63	61	58	53	**69**	51
AS-RFL 630	40	51	66	65	66	64	61	56	**72**	54
AS-RFL 710	42	53	68	67	68	66	63	58	**74**	56

Notes

* Curve scaled to the speed of the standard motor with the fan laws (Q∝n, p∝n²).
Sound pressure level at 1 m (free field) from the AEROMIS product database.
FEG shown for models that meet ErP 2026 (EU 2024/1834).
9 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.