F08 · CENTRIFUGAL & MIXED-FLOW DUCT FANS

AS-AERO-PRO 2S

Commercial Mixed-Flow Fans



AS-AERO-PRO 2S mixed-flow fans are suited to residential and commercial applications that require high static pressure and efficiency. Their mixed-flow design combines the advantages of axial and centrifugal fans.

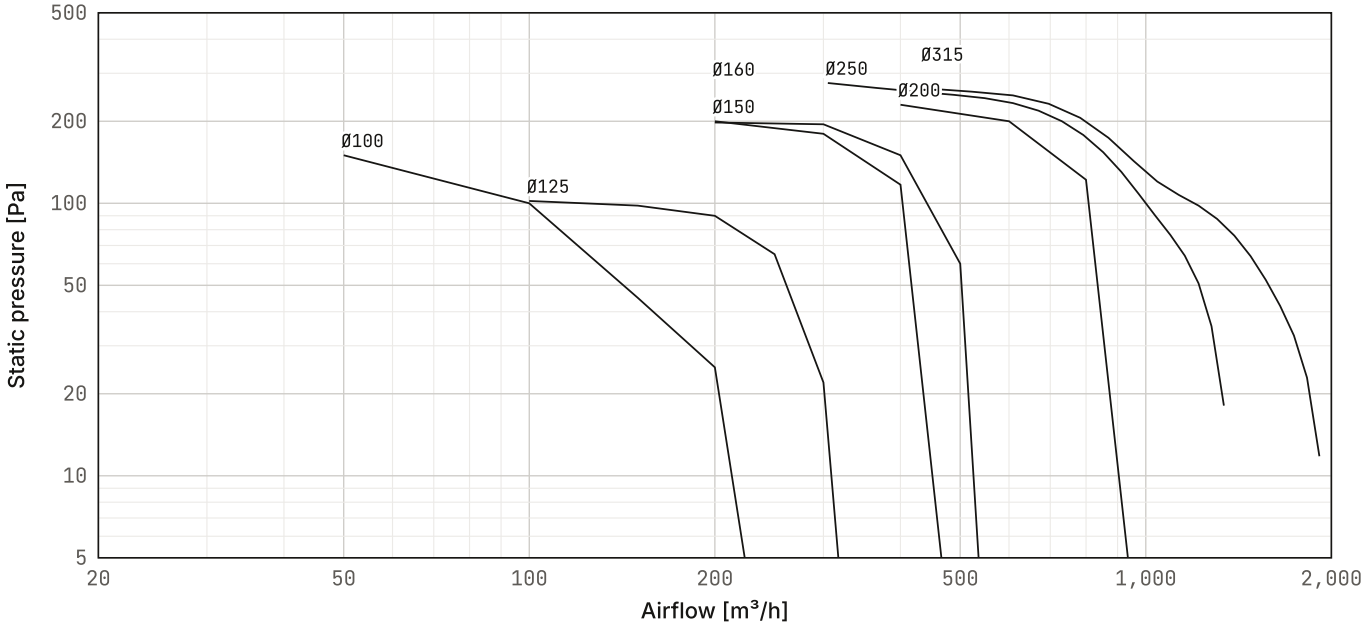
The casing is built from plastic and galvanized sheet steel, with round duct connections for in-line installation. Air discharge can be horizontal or vertical. The plastic mixed-flow impellers, balanced to ISO 1940-1, cover sizes from Ø100 to Ø315 mm.

The direct-drive, totally enclosed fan-cooled (TEFC) asynchronous motors are 2-pole units for a 230 V single-phase supply, with IP44 protection and class F insulation, rated for S1 and S2 duty. 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
2,000 m³/h	378 Pa	100 – 315 mm	0.03 – 0.28 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
2,410 – 2,560 min⁻¹	230 V 1~ · 50 Hz	50°C	EC on request · IP44 · F

Selection chart

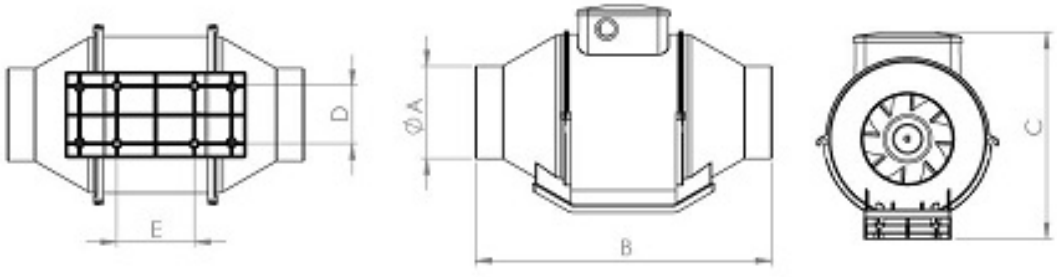
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



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)]
AS-AERO-PRO 2S 100	100	0.03	2,500	230 V 1~	0.1	250	190	40
AS-AERO-PRO 2S 125	125	0.03	2,560	230 V 1~	0.1	337	170	39
AS-AERO-PRO 2S 150	150	0.05	2,490	230 V 1~	0.2	504	275	49
AS-AERO-PRO 2S 160	160	0.05	2,490	230 V 1~	0.2	560	275	49
AS-AERO-PRO 2S 200	200	0.11	2,410	230 V 1~	0.3	1,012	302	58
AS-AERO-PRO 2S 250	250	0.18	2,460	230 V 1~	0.6	1,400	350	60
AS-AERO-PRO 2S 315	315	0.28	2,476	230 V 1~	0.6	2,000	378	69

Dimensions [mm]

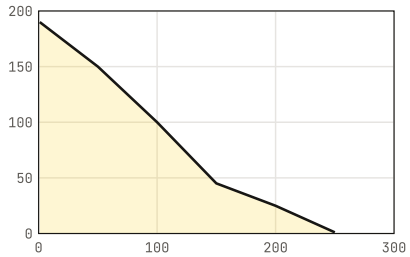


Model	A	B	C	D	E	F
AS-AERO-PRO 2S 100	690	236	233	98	70	550
AS-AERO-PRO 2S 125	690	236	233	123	70	550
AS-AERO-PRO 2S 150	694	254	253	148	47	600
AS-AERO-PRO 2S 160	694	254	253	158	47	600
AS-AERO-PRO 2S 200	794	283	280	198	47	700
AS-AERO-PRO 2S 250	954	337	335	248	77	800
AS-AERO-PRO 2S 315	954	337	335	313	77	800

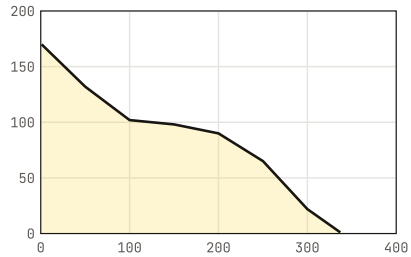
Performance curves

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

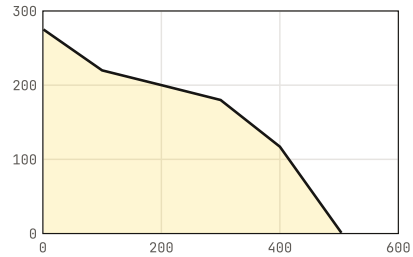
AS-AERO-PRO 2S 100 2,500 min⁻¹ · 0.03 kW



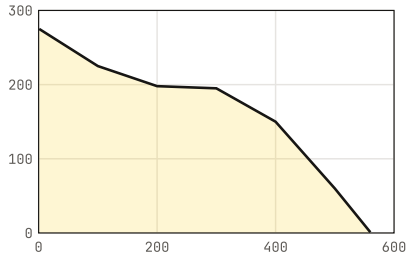
AS-AERO-PRO 2S 125 2,560 min⁻¹ · 0.03 kW



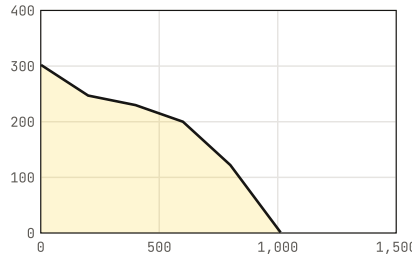
AS-AERO-PRO 2S 150 2,490 min⁻¹ · 0.05 kW



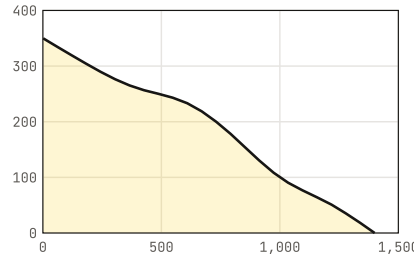
AS-AERO-PRO 2S 160 2,490 min⁻¹ · 0.05 kW



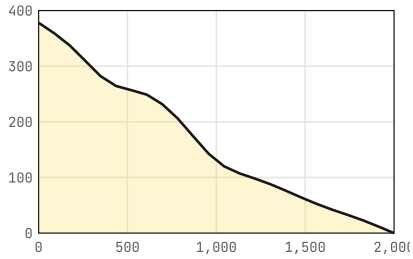
AS-AERO-PRO 2S 200 2,410 min⁻¹ · 0.11 kW



AS-AERO-PRO 2S 250 2,460 min⁻¹ · 0.18 kW



AS-AERO-PRO 2S 315 2,476 min⁻¹ · 0.28 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-AERO-PRO 2S 100	26	37	52	51	52	50	47	42	**58**	40
AS-AERO-PRO 2S 125	25	36	51	50	51	49	46	41	**57**	39
AS-AERO-PRO 2S 150	35	46	61	60	61	59	56	51	**67**	49
AS-AERO-PRO 2S 160	35	46	61	60	61	59	56	51	**67**	49
AS-AERO-PRO 2S 200	44	55	70	69	70	68	65	60	**76**	58
AS-AERO-PRO 2S 250	46	57	72	71	72	70	67	62	**78**	60
AS-AERO-PRO 2S 315	55	66	81	80	81	79	76	71	**87**	69

Notes

Sound pressure level at 1 m (free field) from the AEROMIS product database.
7 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.