F05 · CENTRIFUGAL & MIXED-FLOW DUCT FANS

AS-CFG-BOX

Commercial Cube-Type Duct Centrifugal Fans



AS-CFG-BOX cube-type duct centrifugal fans are intended for commercial ventilation systems with low airflow requirements. They are easy to mount in the duct network, operate quietly and keep energy consumption low.

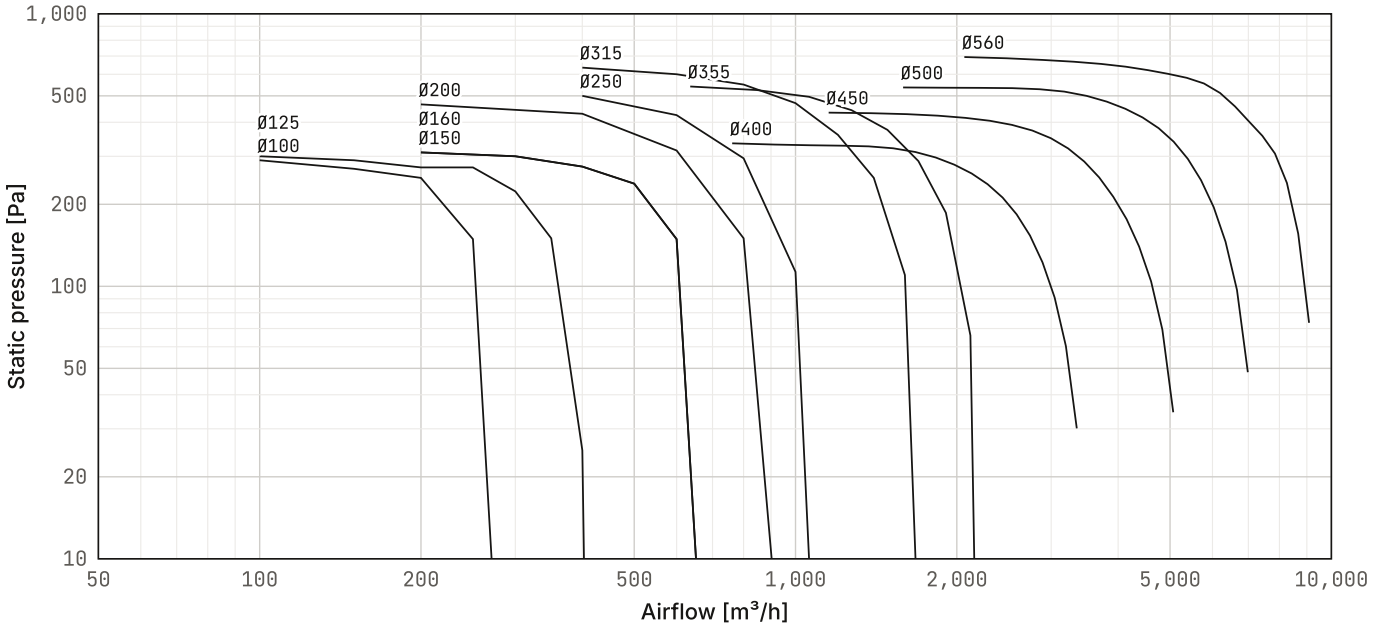
The cube-shaped casing is made of galvanized sheet steel with round duct connections for in-line installation. Air discharge can be horizontal or vertical. The backward-curved galvanized steel impellers, balanced to ISO 1940-1, cover sizes from Ø100 to Ø560 mm.

The direct-drive external-rotor motors are 2- or 4-pole units for 230 V and 380 V supplies, 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
9,500 m³/h	700 Pa	100 – 560 mm	0.05 – 1.7 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
1,362 – 2,685 min⁻¹	230 V 1~ · 380 V 1~ · 50 Hz	50°C	IP44 · F

Selection chart

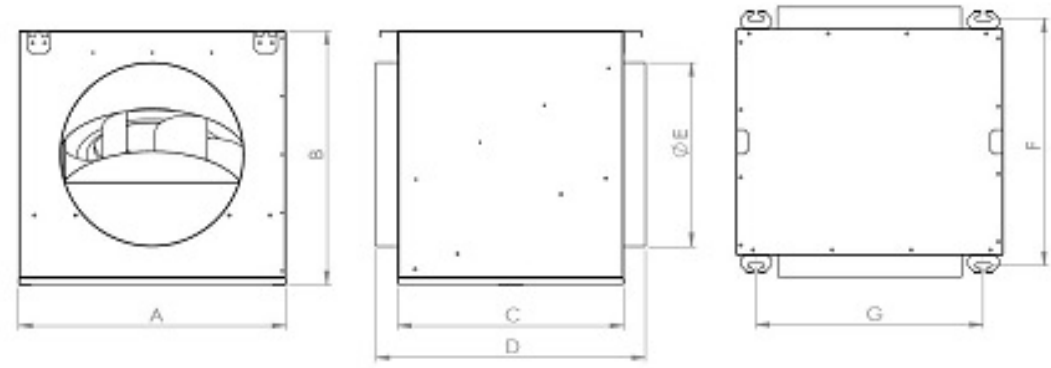
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



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)]	FEG
AS-CFG-BOX 100	100	0.05	2,600	230 V 1~	0.5	290	320	41	–
AS-CFG-BOX 125	125	0.05	2,600	230 V 1~	0.5	410	320	41	–
AS-CFG-BOX 150	150	0.05	2,600	230 V 1~	0.5	700	322	43	–
AS-CFG-BOX 160	160	0.05	2,600	230 V 1~	0.5	700	322	46	–
AS-CFG-BOX 200	200	0.06	2,675	230 V 1~	0.6	1,000	590	48	–
AS-CFG-BOX 250	250	0.08	2,685	230 V 1~	0.6	1,120	590	50	–
AS-CFG-BOX 315	315	0.08	2,615	230 V 1~	1.1	1,750	690	52	–
AS-CFG-BOX 355	355	0.11	2,480	230 V 1~	1.6	2,200	551	55	–
AS-CFG-BOX 400	400	0.21	1,362	230 V 1~	1.1	3,500	340	59	65
AS-CFG-BOX 450	450	0.69	1,367	230 V 1~	0.8	5,300	435	62	65
AS-CFG-BOX 500	500	1.1	1,364	230 V 1~	1.5	7,300	540	65	95
AS-CFG-BOX 560	560	1.7	1,369	380 V 1~	1.7	9,500	700	68	90

Dimensions [mm]



Model	A	B	C	D
AS-CFG-BOX 100	100	208	246	290
AS-CFG-BOX 125	125	208	246	290
AS-CFG-BOX 150	150	196	270	320
AS-CFG-BOX 160	160	196	270	320
AS-CFG-BOX 200	200	255	333	380
AS-CFG-BOX 250	250	234	331	380
AS-CFG-BOX 315	315	283	401	450
AS-CFG-BOX 355	355	283	401	450
AS-CFG-BOX 400	450	367	640	0
AS-CFG-BOX 450	550	444	820	0
AS-CFG-BOX 500	600	500	860	0
AS-CFG-BOX 560	630	510	920	0

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-CFG-BOX 100	27	38	53	52	53	51	48	43	**59**	41
AS-CFG-BOX 125	27	38	53	52	53	51	48	43	**59**	41
AS-CFG-BOX 150	29	40	55	54	55	53	50	45	**61**	43
AS-CFG-BOX 160	32	43	58	57	58	56	53	48	**64**	46
AS-CFG-BOX 200	34	45	60	59	60	58	55	50	**66**	48
AS-CFG-BOX 250	36	47	62	61	62	60	57	52	**68**	50
AS-CFG-BOX 315	38	49	64	63	64	62	59	54	**70**	52
AS-CFG-BOX 355	41	52	67	66	67	65	62	57	**73**	55
AS-CFG-BOX 400	45	56	71	70	71	69	66	61	**77**	59
AS-CFG-BOX 450	48	59	74	73	74	72	69	64	**80**	62
AS-CFG-BOX 500	51	62	77	76	77	75	72	67	**83**	65
AS-CFG-BOX 560	54	65	80	79	80	78	75	70	**86**	68

Notes

Sound pressure level at 1 m (free field) from the AEROMIS product database.
FEG shown for models that meet ErP 2026 (EU 2024/1834).
12 model(s) also available for 60 Hz — see the fan selector.
Full performance, acoustic octave bands, motor options and datasheets: AEROMIS fan selector.