F02 · CENTRIFUGAL & MIXED-FLOW DUCT FANS

AS-CFG-GL

Commercial Round Duct Centrifugal Fans



AS-CFG-GL round duct centrifugal fans are intended for commercial ventilation systems with low airflow requirements. Easy mounting in round ducts, quiet operation and low energy consumption make them a practical choice for such systems.

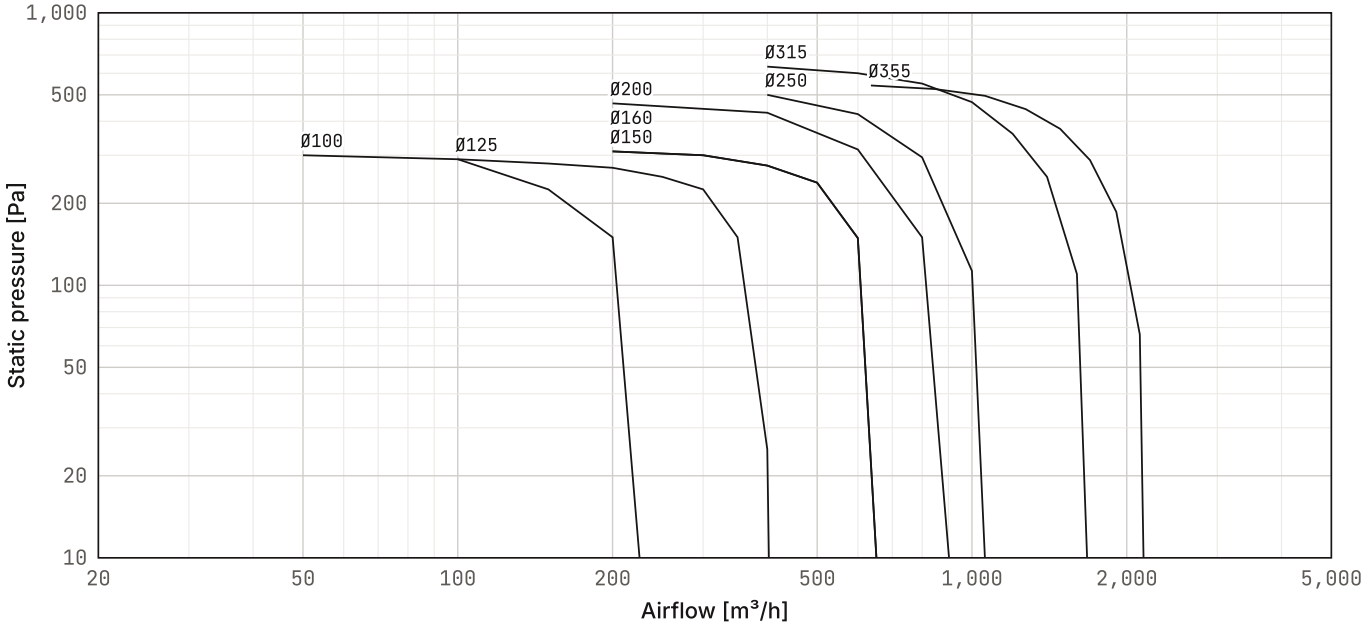
The casing is made of galvanized sheet steel with round duct connections for in-line installation. Air discharge can be horizontal or vertical. The backward-curved aluminium impellers, balanced to ISO 1940-1, cover sizes from Ø100 to Ø355 mm.

The direct-drive, 2-pole external-rotor motors run on 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
2,200 m³/h	690 Pa	100 – 355 mm	0.05 – 0.11 kW
SPEED	**SUPPLY**	**TEMPERATURE CLASS**	**MOTOR**
2,480 – 2,685 min⁻¹	230 V 1~ · 50 Hz	50°C	IP44 · F

Selection chart

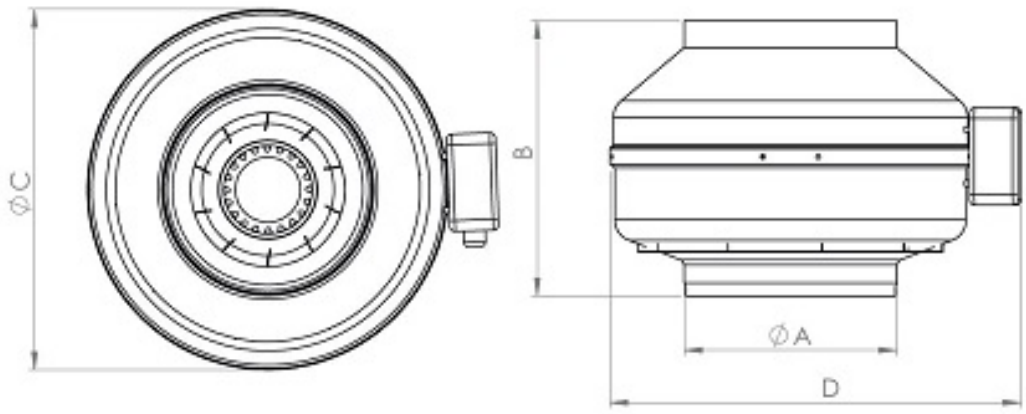
50 Hz · Static pressure at 1.204 kg/m³ with the standard motor.



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)]
AS-CFG-GL 100	100	0.05	2,600	230 V 1~	0.5	250	350	45
AS-CFG-GL 125	125	0.05	2,600	230 V 1~	0.5	410	320	45
AS-CFG-GL 150	150	0.05	2,600	230 V 1~	0.5	700	322	46
AS-CFG-GL 160	160	0.05	2,600	230 V 1~	0.5	700	322	48
AS-CFG-GL 200	200	0.06	2,675	230 V 1~	0.6	1,000	590	50
AS-CFG-GL 250	250	0.08	2,685	230 V 1~	0.6	1,120	590	53
AS-CFG-GL 315	315	0.08	2,615	230 V 1~	1.1	1,750	690	56
AS-CFG-GL 355	355	0.11	2,480	230 V 1~	1.6	2,200	551	58

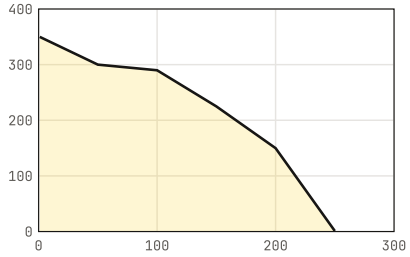
Dimensions [mm]



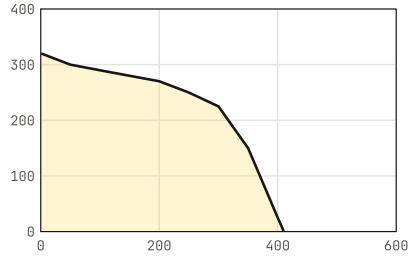
Model	A	B	C	D
AS-CFG-GL 100	100	208	246	290
AS-CFG-GL 125	125	208	246	290
AS-CFG-GL 150	150	196	270	320
AS-CFG-GL 160	160	196	270	320
AS-CFG-GL 200	200	255	333	380
AS-CFG-GL 250	250	234	331	380
AS-CFG-GL 315	315	283	401	450
AS-CFG-GL 355	355	283	401	450

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

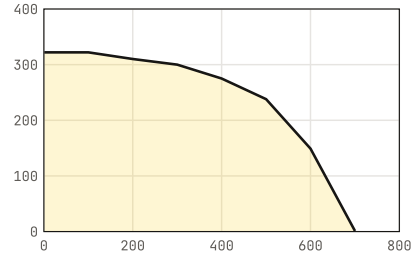
AS-CFG-GL 100 2,600 min⁻¹ · 0.05 kW



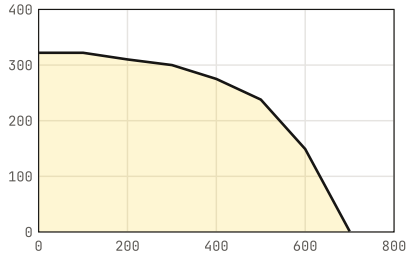
AS-CFG-GL 125 2,600 min⁻¹ · 0.05 kW



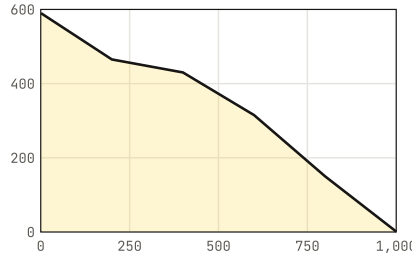
AS-CFG-GL 150 2,600 min⁻¹ · 0.05 kW



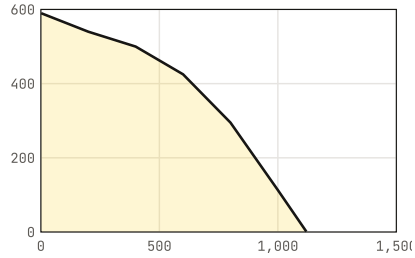
AS-CFG-GL 160 2,600 min⁻¹ · 0.05 kW



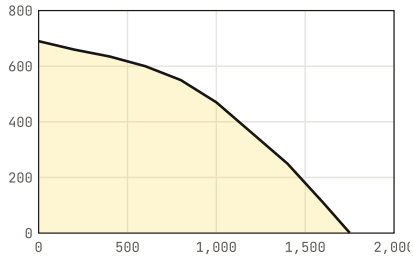
AS-CFG-GL 200 2,675 min⁻¹ · 0.06 kW



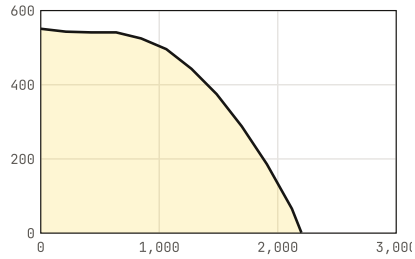
AS-CFG-GL 250 2,685 min⁻¹ · 0.08 kW



AS-CFG-GL 315 2,615 min⁻¹ · 0.08 kW



AS-CFG-GL 355 2,480 min⁻¹ · 0.11 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-CFG-GL 100	31	42	57	56	57	55	52	47	**63**	45
AS-CFG-GL 125	31	42	57	56	57	55	52	47	**63**	45
AS-CFG-GL 150	32	43	58	57	58	56	53	48	**64**	46
AS-CFG-GL 160	34	45	60	59	60	58	55	50	**66**	48
AS-CFG-GL 200	36	47	62	61	62	60	57	52	**68**	50
AS-CFG-GL 250	39	50	65	64	65	63	60	55	**71**	53
AS-CFG-GL 315	42	53	68	67	68	66	63	58	**74**	56
AS-CFG-GL 355	44	55	70	69	70	68	65	60	**76**	58

Notes

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