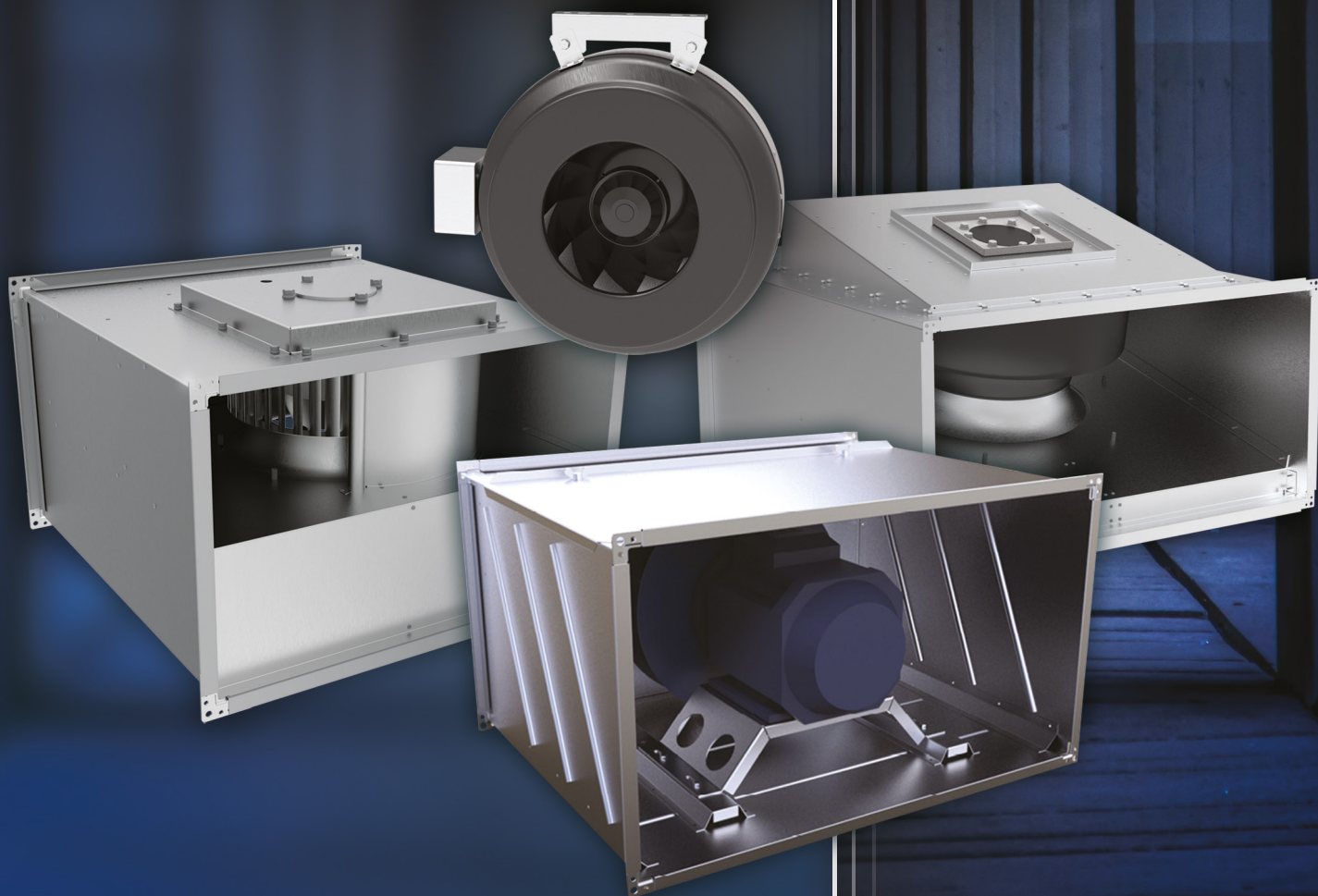




CATALOG OF DUCT FANS

- FANS: RV, SVB, SVF, SBV, SVV, SV



CONTENTS

3 DUCT FANS FOR ROUND AIR DUCTS RV

7 SVB SERIES FANS

11 SVF AND SBV SERIES FANS

16 SVV SERIES FANS

20 SV SERIES FANS

DUCT FANS FOR ROUND AIR DUCTS RV

Duct fans of the RV series are used for ventilation of small commercial and industrial premises, and service facilities. They are used in ventilation systems with a circular cross-section.

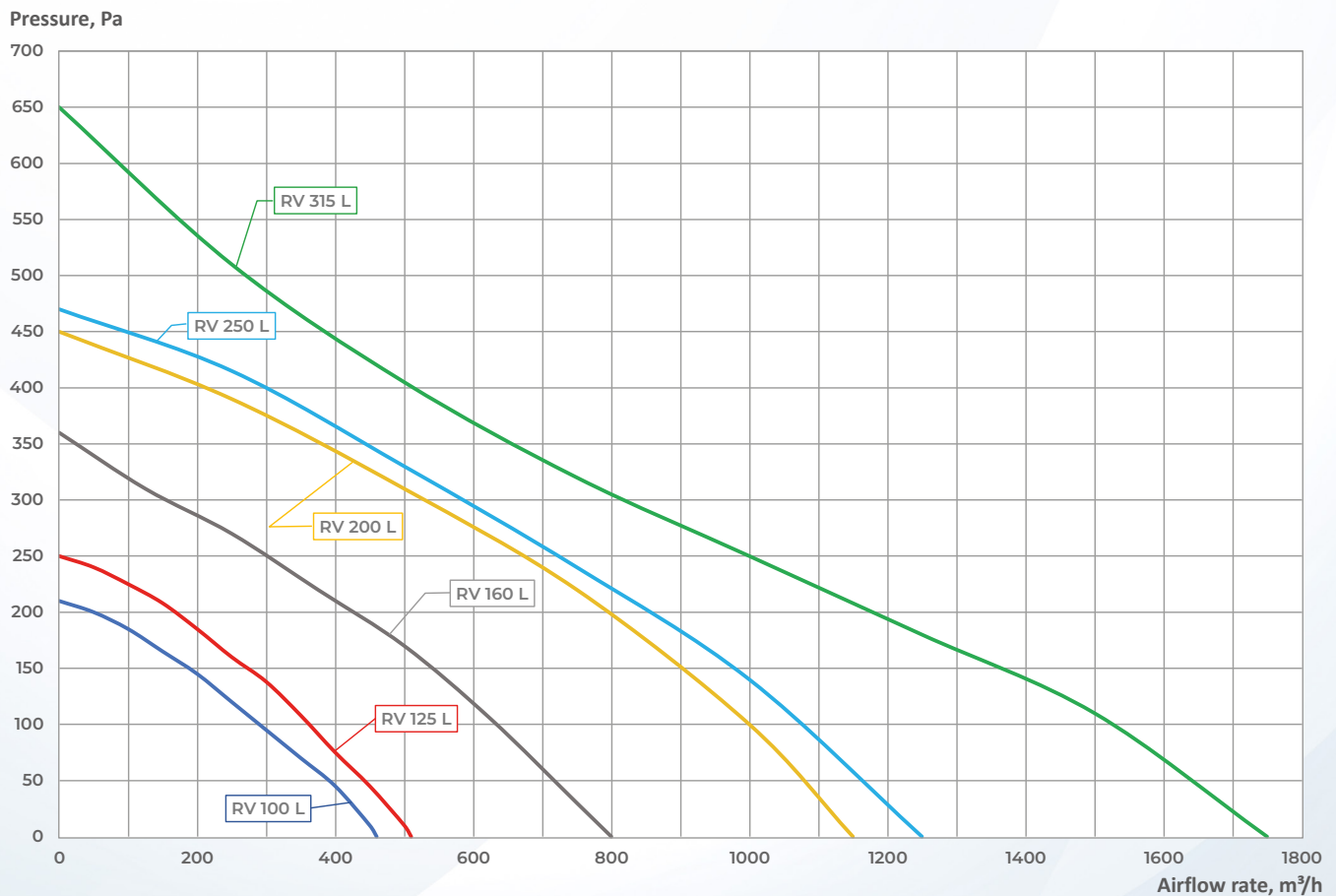
FEATURES

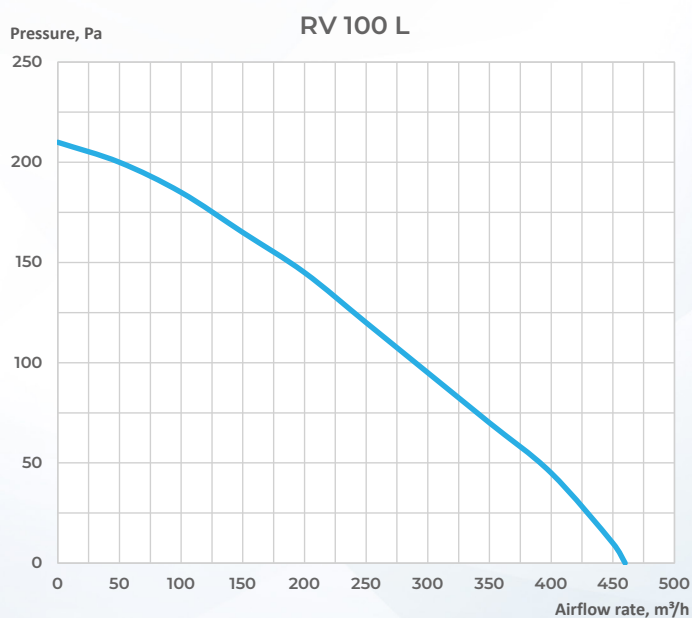
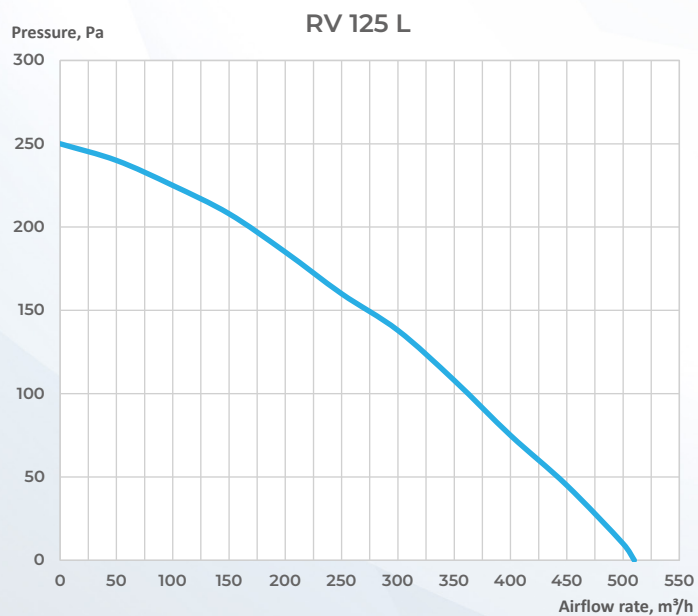
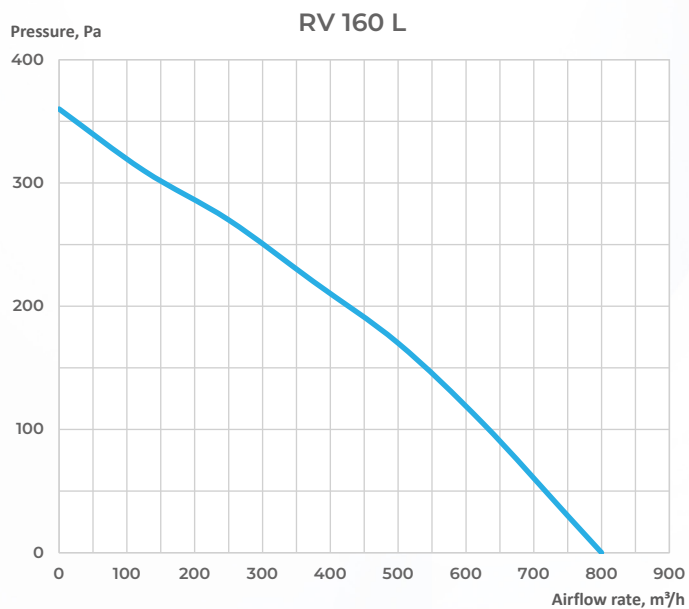
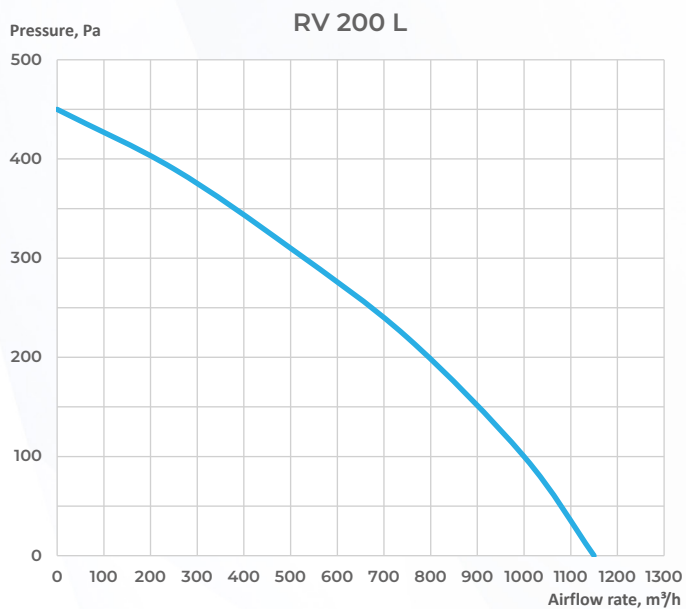
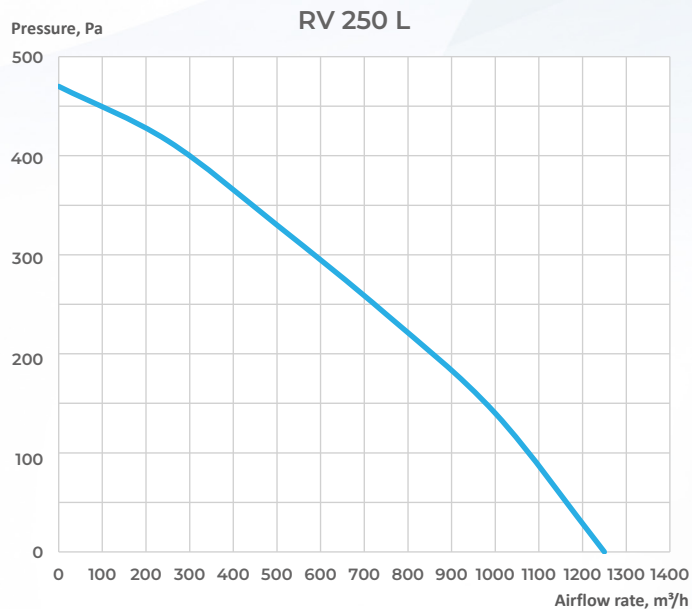
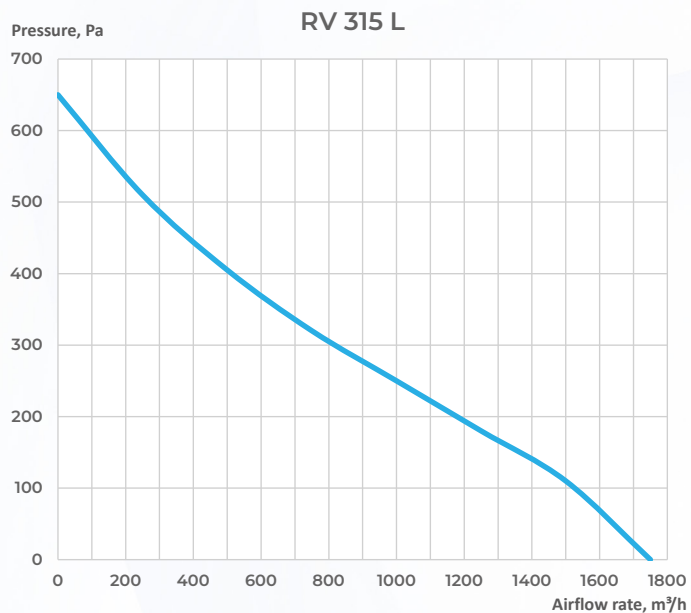
SPEED CONTROL

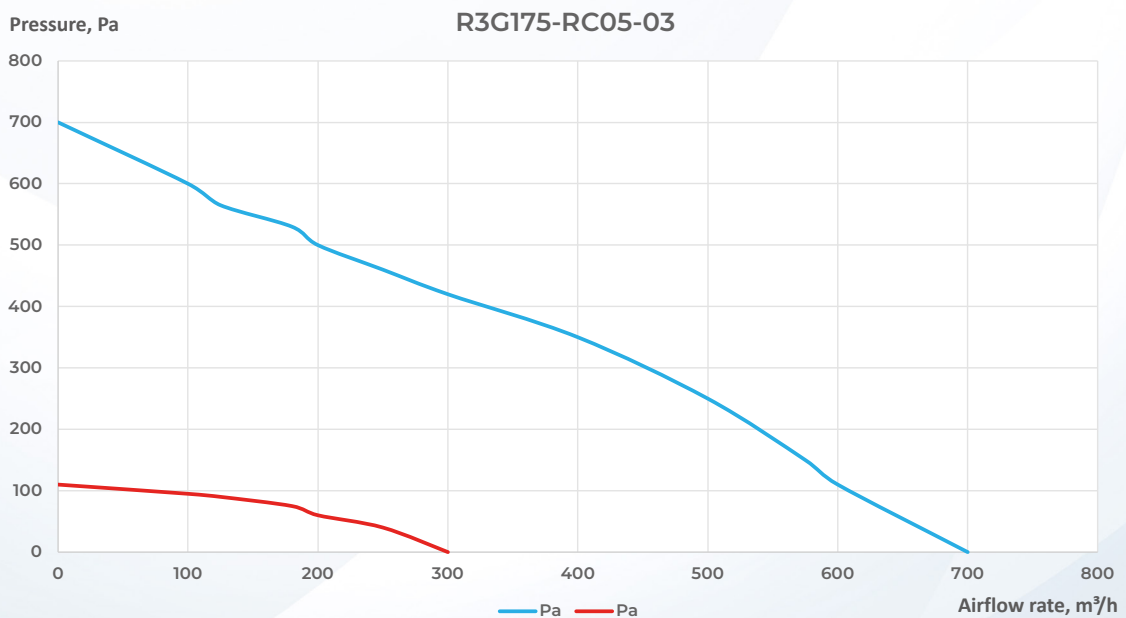
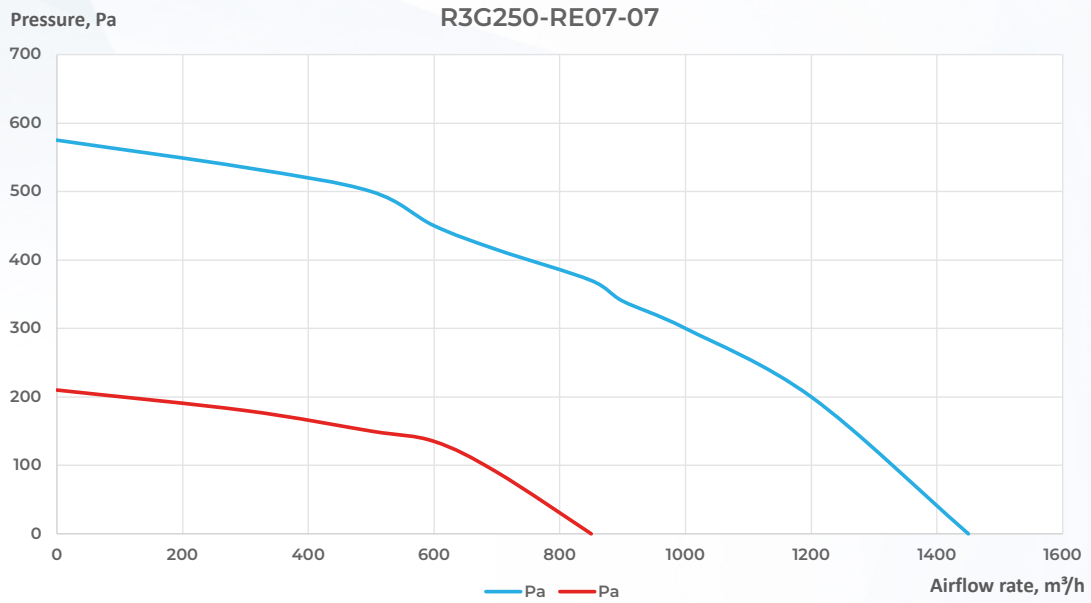
The fan speed is adjusted using triac or transformer speed controllers.

DESIGN

The housing is made of painted steel. Motors with an external rotor and backward-curved plastic blades are used. All fans have motor overheating protection. A bracket is included for quick and easy installation of the fan in any position. Maintenance-free and reliable in operation.

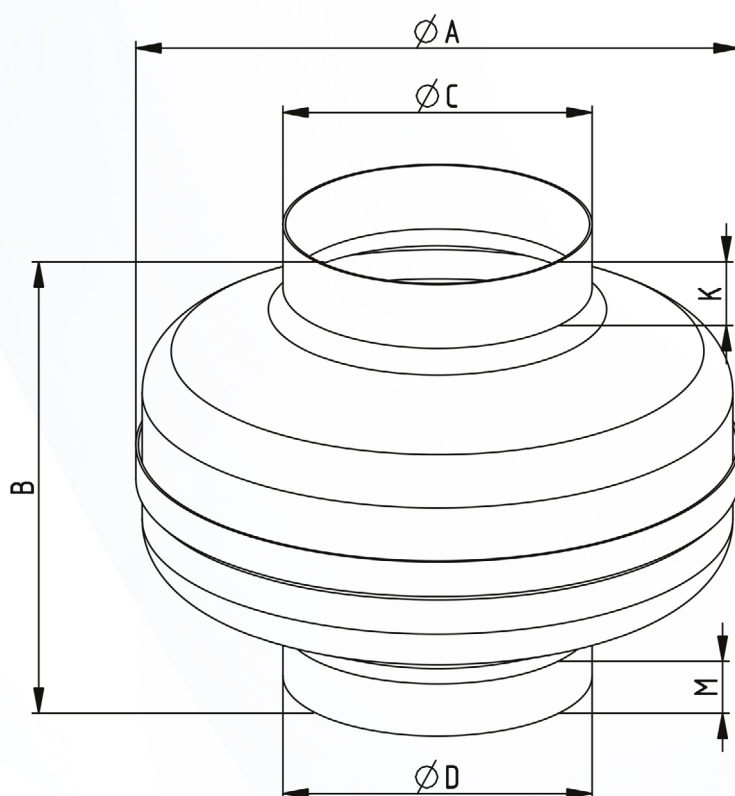






OVERALL DIMENSIONS OF FANS

Model	A, mm	B, mm	C, mm	D, mm	K, mm	M, mm
RV 100 L	240	195	98	98	21,5	17
RV 125 L	240	195	123	123	27,5	23
RV 160 L	332	225	157	157	22	18
RV 200 L	332	225	198	198	23,5	19
RV 250 L	332	205	248	248	25	21
RV 315 L	400	230	312	312	22,5	22



TECHNICAL CHARACTERISTICS OF FANS

Model	Max. airflow capacity, m ³ /h	Max. static pressure, Pa	Nominal motor speed, rpm	Nominal voltage / phase, V	Nominal power, kW	Nominal current, kW	Capacitor capacity, μ F	Protection class	Insulation class EN60034-5	Operating temperature range, °C
RV 100 L	250	320	2480	1~230	0,05	0,22	1,5	B	IP 44	-25/+65
RV 125 L	320	355	2480	1~230	0,06	0,27	1,5	B	IP 44	-25/+65
RV 160 L	750	435	2600	1~230	0,09	0,46	2,5	F	IP 44	-25/+60
RV 200 L	950	540	2660	1~230	0,13	0,65	3,5	F	IP 44	-25/+60
RV 250 L	1000	550	2660	1~230	0,15	0,7	3,5	F	IP 44	-25/+60
RV 315 L	1600	755	2700	1~230	0,28	1,2	7	F	IP 44	-25/+60

SVB SERIES FANS

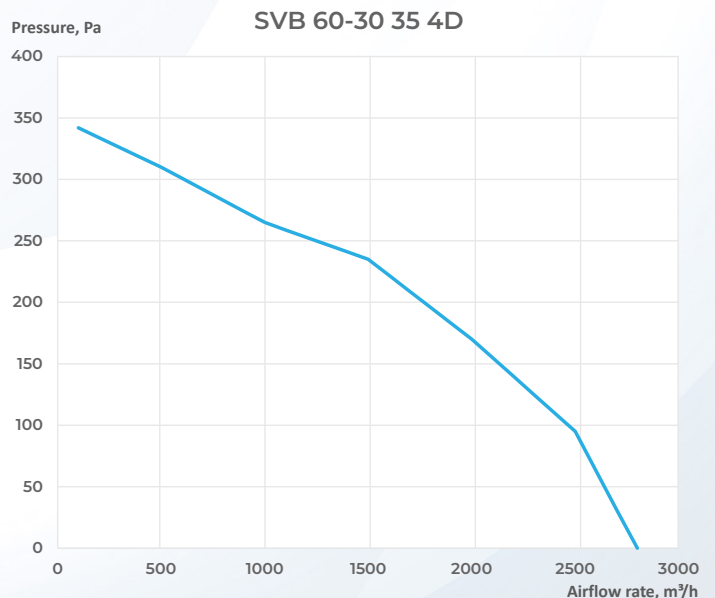
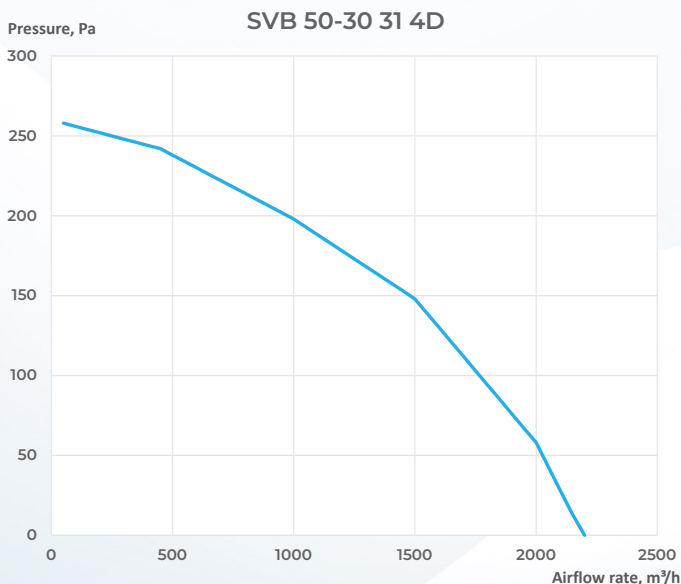
Rectangular duct fans with backward-curved blades, SVB series combine high efficiency with reduced noise levels. Recommended as a cost-effective solution for modular ventilation systems in low- and medium-load networks.

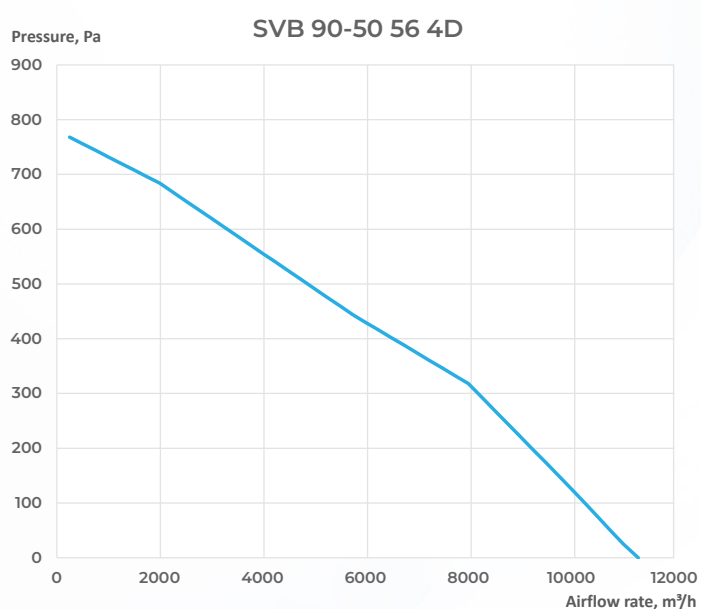
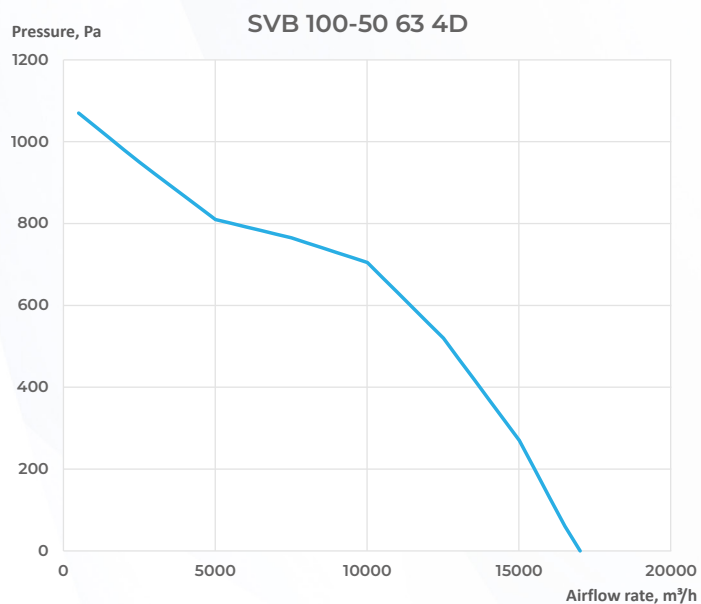
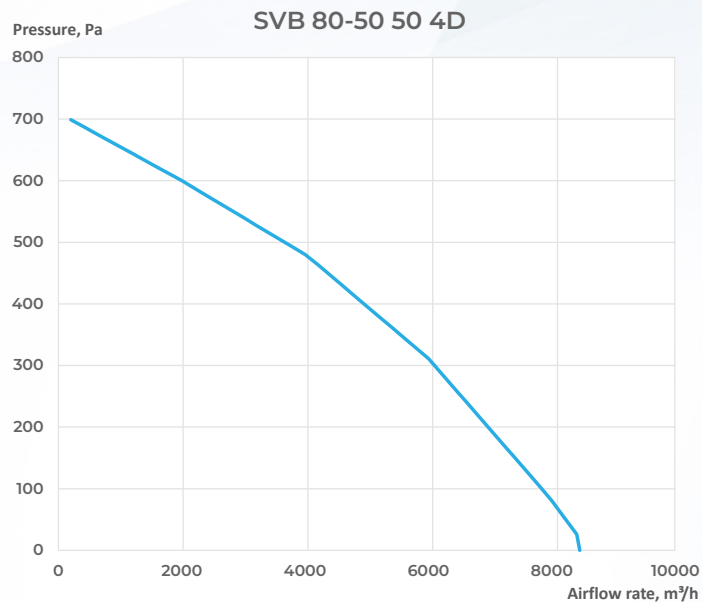
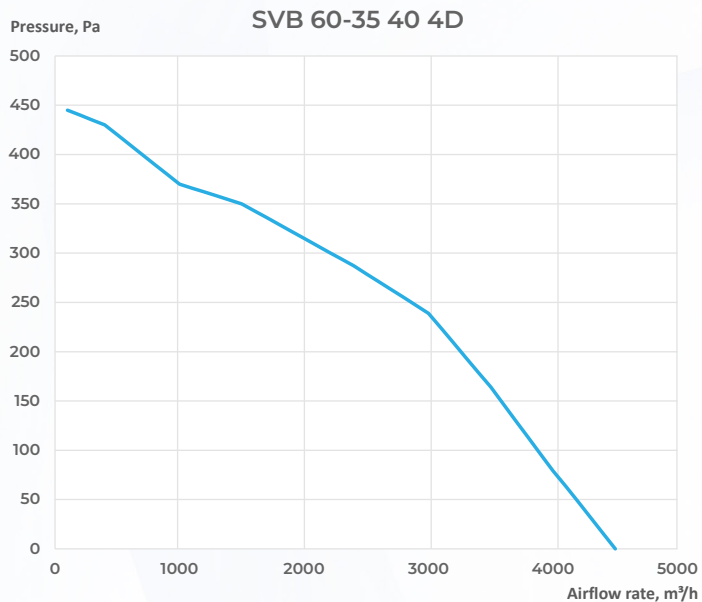
SVB fans are equipped with external rotor motors, protection class IP 44.

To protect the fan from overheating, thermal contacts are built into the motor windings with leads for connecting an external motor protection device.

FEATURES

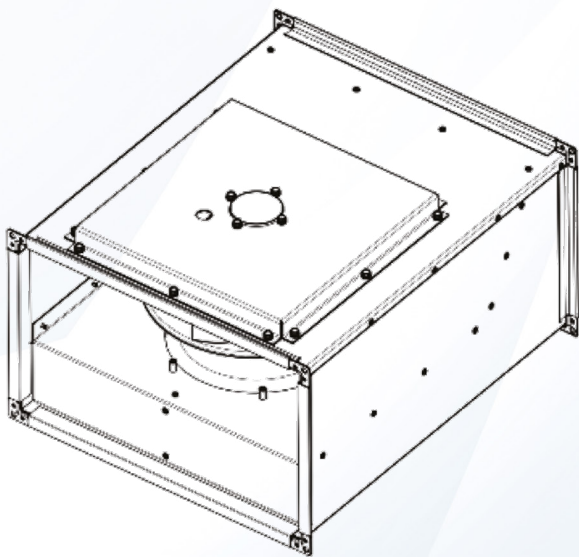
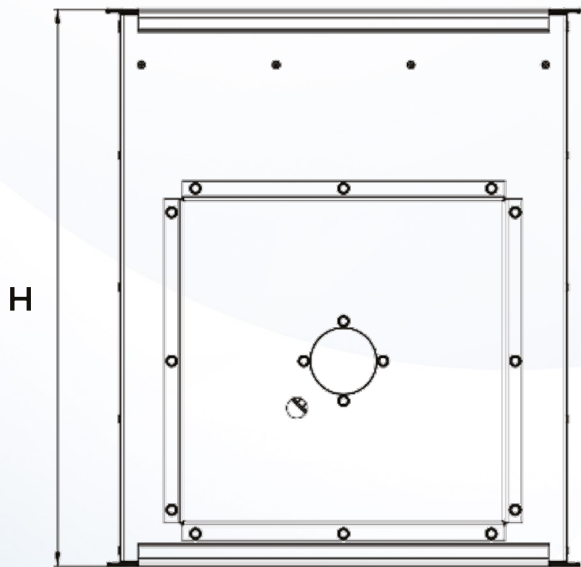
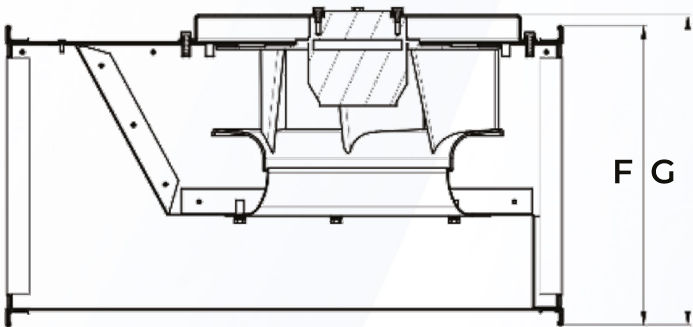
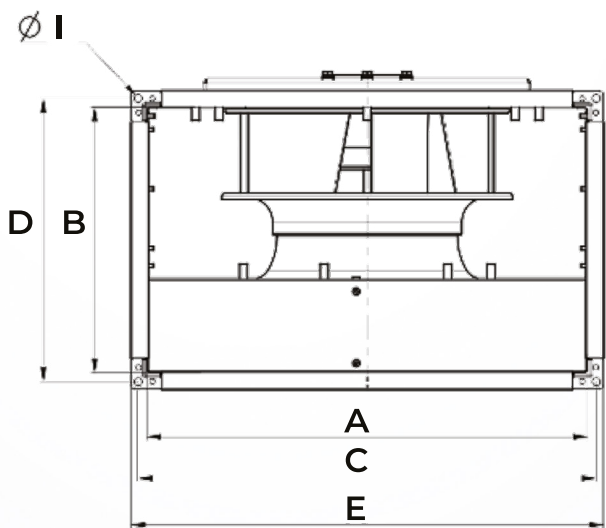
- The fan housing is made of galvanized steel.
- The impeller is made of composite material, reducing fan weight and increasing corrosion resistance.
- Low energy consumption.
- High efficiency.
- Reduced noise characteristics.
- High energy efficiency.
- Increased corrosion resistance due to composite impeller material.
- Motor overheating protection.

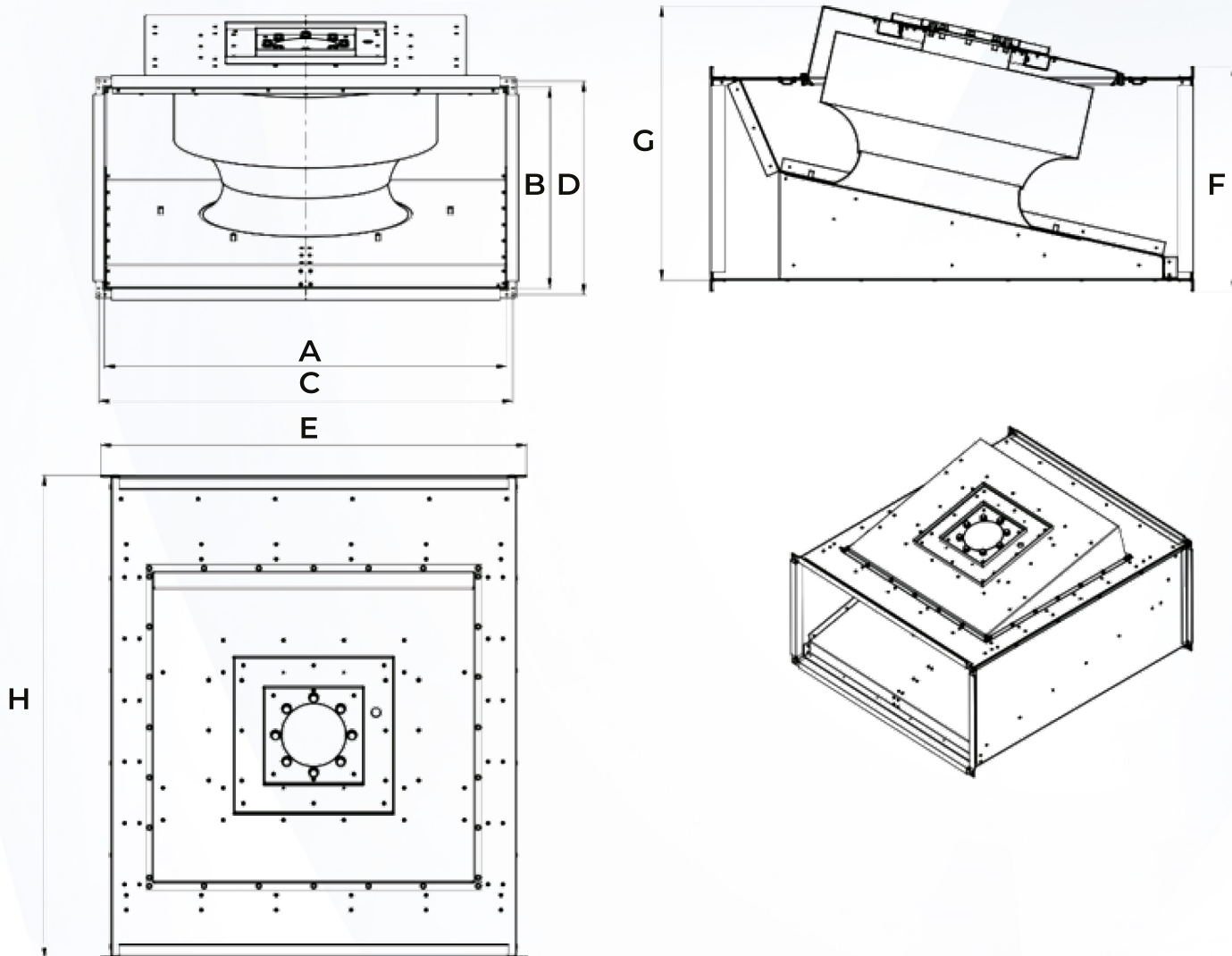




OVERALL DIMENSIONS OF FANS

Model	Dimensions								
	A	B	C	D	E	F	G	H	I
SVB 50-30	500	300	520	320	540	340	351	630	9
SVB 60-30	600	300	620	320	640	340	360	720	9
SVB 60-35	600	350	620	370	640	390	406	720	9
SVB 80-50	800	500	830	530	860	560	580	885	13
SVB 90-50	900	500	930	530	960	560	580	950	13
SVB 100-50	1000	500	1030	530	1060	560	681	1210	13





TECHNICAL CHARACTERISTICS OF FANS

Model	Airflow capacity	Max. static pressure, Pa	Voltage (V), phase	Max. current	Max. electric power, W	Rotation speed at max. efficiency, rpm	Motor protection class	Max. temperature of moved air
SVB 50-30/31-4D	2200	270	3/380	0,35	150	1370	IP44	60
SVB 60-30/35-4D	2800	340	3/380	0,46	240	1340	IP54	60
SVB 60-35/40-4D	4500	440	3/380	0,86	440	1320	IP54	60
SVB 80-50/50-4D	8450	680	3/380	2,4	1220	1330	IP54	55
SVB 90-50/56-4D	11300	780	3/380	3,3	1720	1180	IP54	50
SVB 100-50/63-4D	17000	1050	3/380	7,9	3950	1360	IP54	50

SVF AND SBV SERIES FANS

Rectangular duct fans of the SVF and SBV series are recommended for use in exhaust and supply ventilation systems with long air ducts and high aerodynamic resistance in the network.

FEATURES

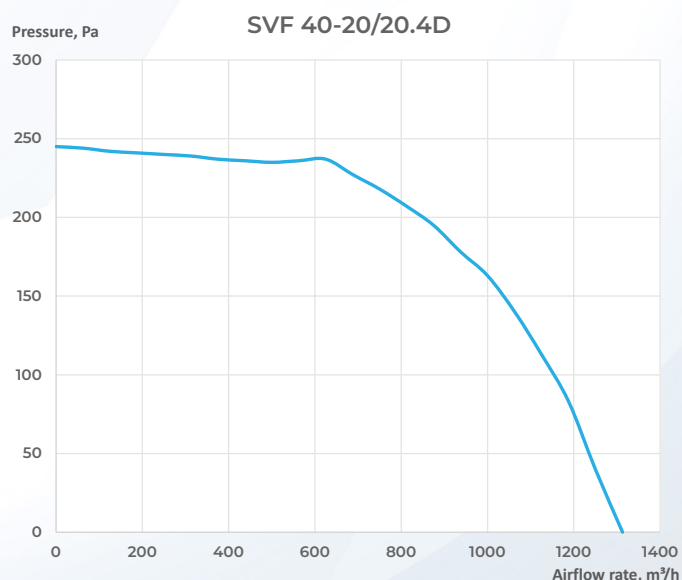
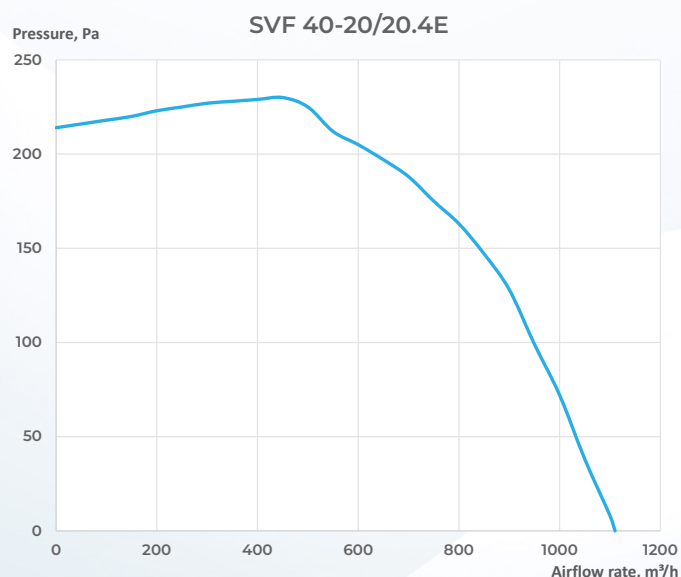
SVF DESIGN

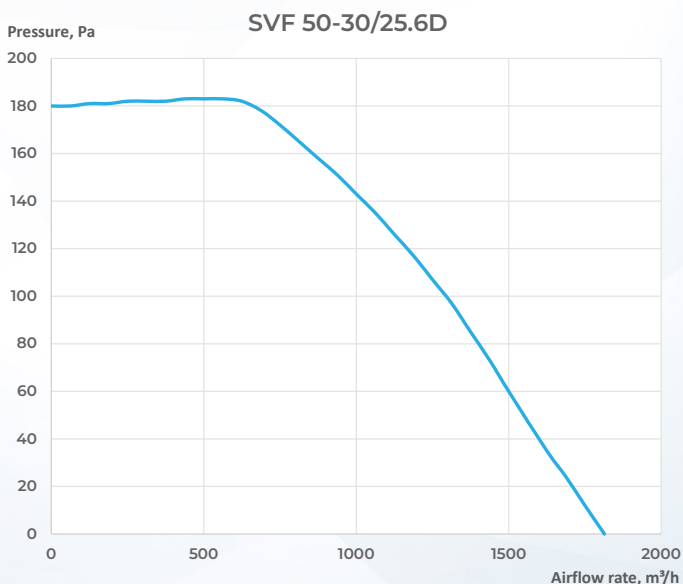
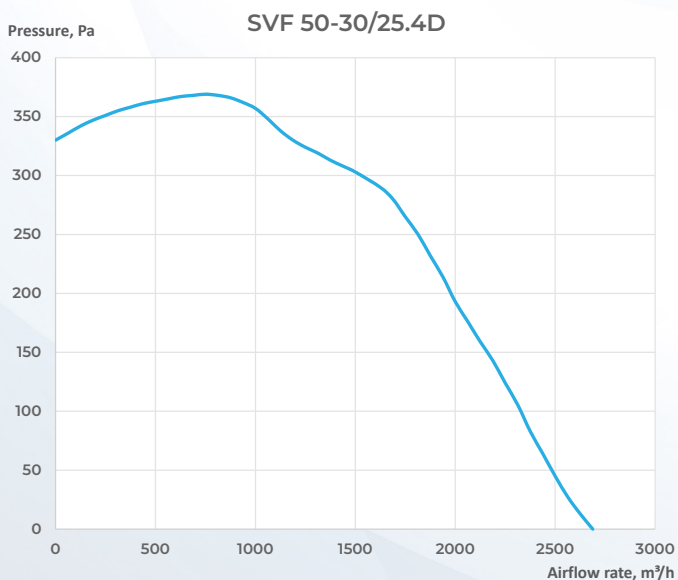
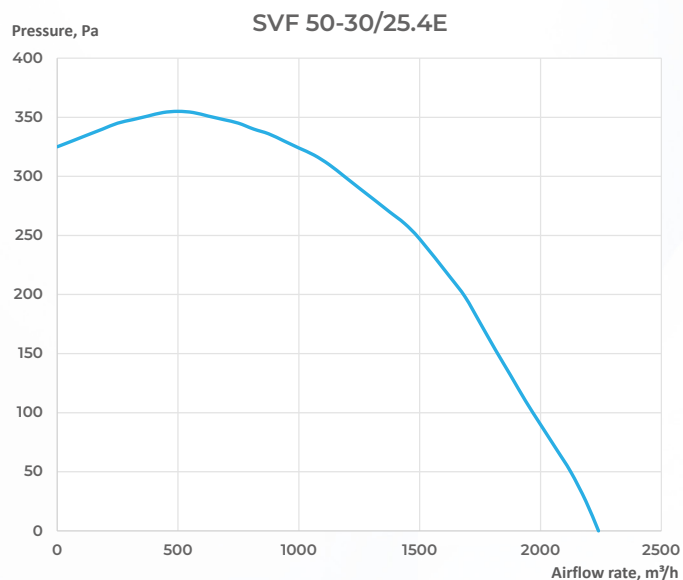
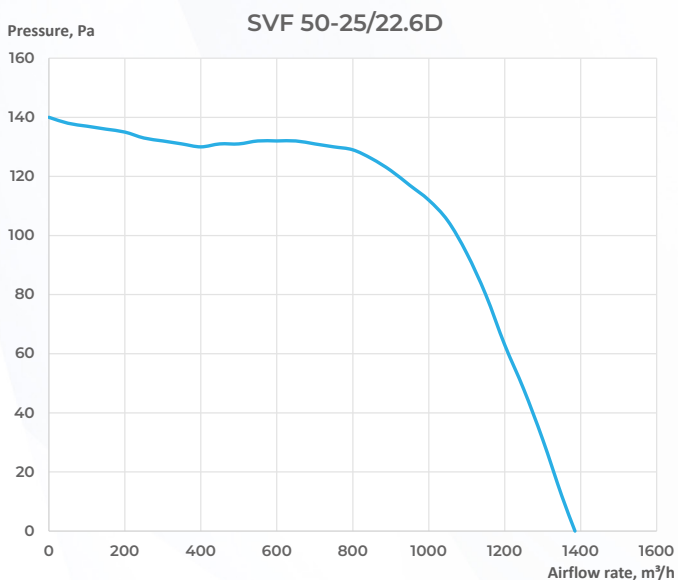
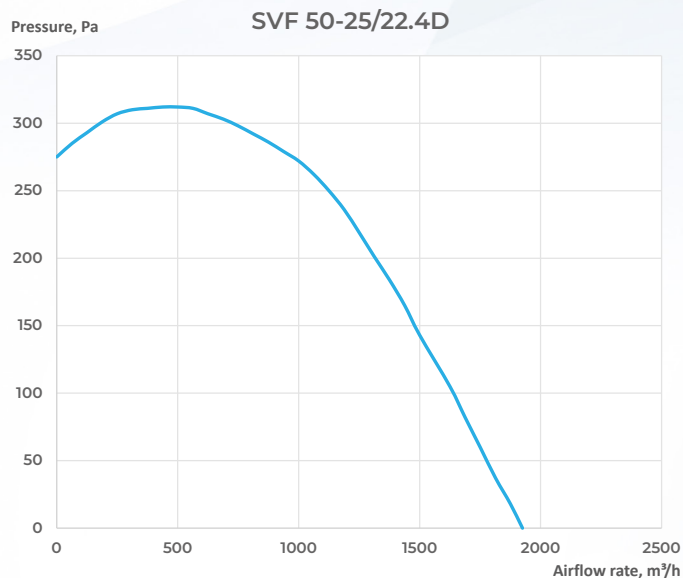
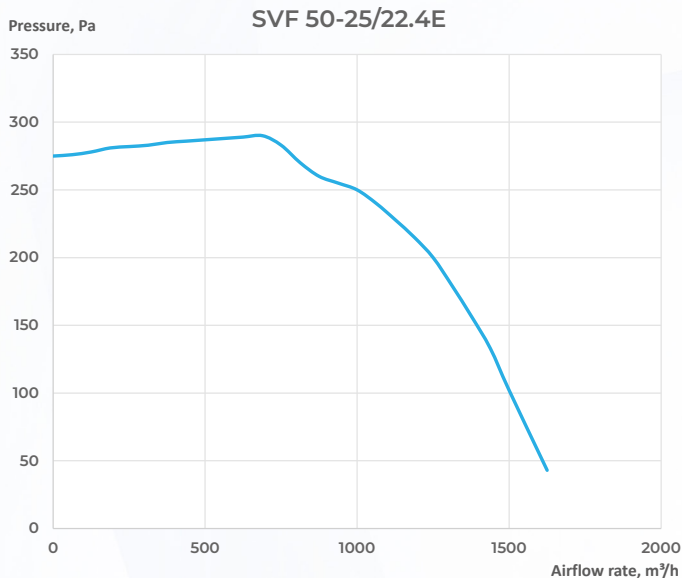
- The fan impellers are statically and dynamically balanced, made of galvanized steel sheet, and have forward-curved blades.

- SVF fans are equipped with asynchronous motors with an external rotor, protection class IP 54. To protect the fan from overheating, thermal contacts are built into the motor windings with leads for connecting an external motor protection device.

SBV DESIGN

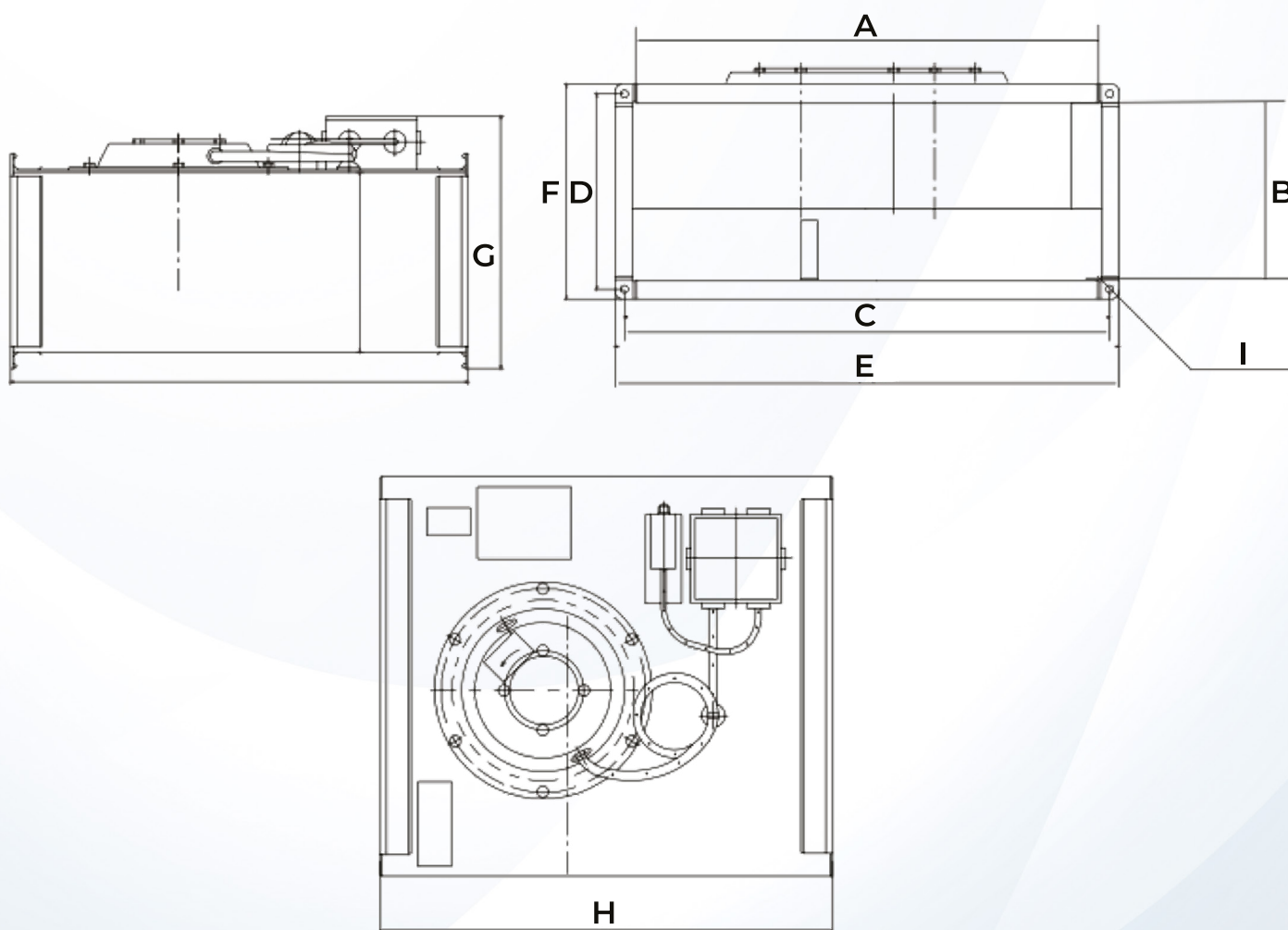
- The fan housing is made of galvanized steel and includes a 50 mm thick mineral wool sound insulation layer. The impellers are made of galvanized steel sheet and have forward-curved blades.
- The fan impellers are statically and dynamically balanced.
- SBV fans are equipped with external rotor motors, protection class IP 54. To protect the fan from overheating, thermal contacts are built into the motor windings with leads for connecting an external motor protection device. When using frequency conversion, the min. frequency = 30 Hz!





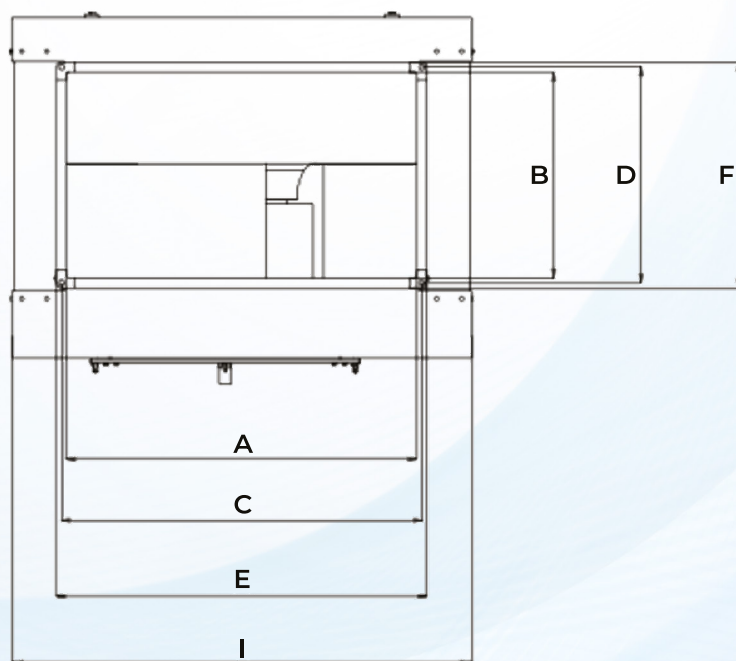
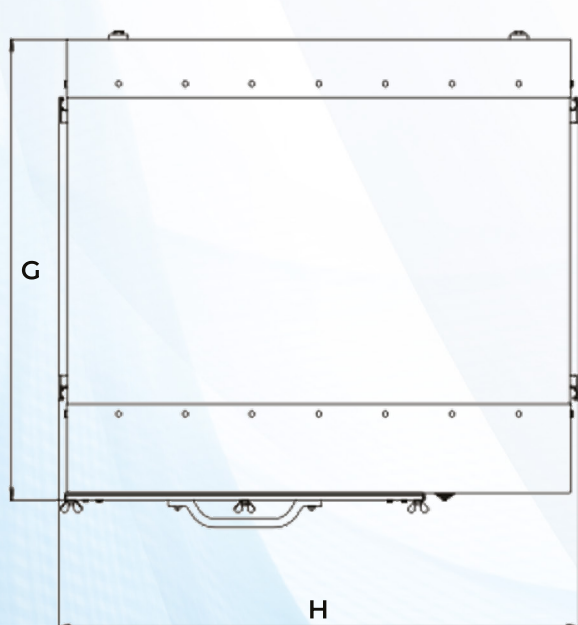
OVERALL DIMENSIONS OF SVF SERIES FANS

Designation	Dimensions (mm)								
	A	B	C	D	E	F	G	H	I
SVF 40-20/20.4E SVF 40-20/20.4D	400	200	420	220	440	240	281	500	11x9
SVF 50-25/22.4E SVF 50-25/22.4D SVF 50-25/22.6D	500	250	520	270	540	290	331	530	11x9
SVF 50-30/25.4E SVF 50-30/25.4D SVF 50-30/25.6D	500	300	520	320	540	340	381	565	11x9
SVF 60-30/28.4E SVF 60-30/28.4D SVF 60-30/28.6D	600	300	620	320	640	340	381	642	11x9
SVF 60-35/31.4E SVF 60-35/31.6D	600	350	620	370	640	390	431	720	11x9
SVF 70-40/35.4D SVF 70-40/35.6D	700	400	720	420	740	440	481	780	11x9
SVF 80-50/40.4D SVF 80-50/40.6D	800	500	830	530	860	560	591	885	Ø13
SVF 90-50/45.4D SVF 90-50/45.6D	900	500	930	530	960	560	591	985	Ø13



OVERALL DIMENSIONS OF SBV SERIES FANS

Designation	Dimensions (mm)								
	A	B	C	D	E	F	G	H	I
SBV 40-20/20.4E SBV 40-20/20.4D	400	200	420	220	440	240	460	500	610
SBV 50-25/22.4E SBV 50-25/22.4D SBV 50-25/22.6D	500	250	520	270	540	290	510	530	710
SBV 50-30/25.4E SBV 50-30/25.4D SBV 50-30/25.6D	500	300	520	320	540	340	560	565	710
SBV 60-30/28.4E SBV 60-30/28.4D SBV 60-30/28.6D	600	300	620	320	640	340	560	642	810
SBV 60-35/31.4D SBV 60-35/31.6D	600	350	620	370	640	390	610	720	810
SBV 70-40/35.4D SBV 70-40/35.6D	700	400	720	420	740	440	660	780	910
SBV 80-50/40.4D SBV 80-50/40.6D	800	500	830	530	860	560	760	885	1010
SBV 90-50/45.4D SBV 90-50/45.6D	900	500	930	530	960	560	760	985	1110



TECHNICAL CHARACTERISTICS OF FANS

Designation	Airflow capacity Q, m³/h	Max. static pressure P, Pa	Rotation speed, rpm	Motor voltage (V), phase	Electric power, W	Nominal / starting current (I), A
SVF/SBV 40-20/20-4E	1198	226	1260	230/1	0,29	1,45/2,3
SVF/SBV 40-20/20-4D	1248	259	1230	380/3	0,31	0,51/1,5
SVF/SBV 50-25/22-4E	1640	291	1250	230/1	0,51	2,3/4
SVF/SBV 50-25/22-4D	1930	300	1270	380/3	0,56	0,95/3,1
SVF/SBV 50-25/22-6D	1380	139	870	380/3	0,2	0,45/1,6
SVF/SBV 50-30/25-4E	2302	364	1230	230/1	0,78	3,4/7,7
SVF/SBV 50-30/25-4D	2570	381	1380	380/3	0,93	1,9/8,5
SVF/SBV 50-30/25-6D	1811	179	800	380/3	0,37	0,75/3
SVF/SBV 60-30/28-4E	2488	415	1210	230/1	1,15	5,1/12,5
SVF/SBV 60-30/28-4D	3562	407	1310	380/3	1,5	2,6/10,5
SVF/SBV 60-30/28-6D	2576	225	780	380/3	3,7	0,75/3
SVF/SBV 60-35/31-4D	4510	577	1300	380/3	2,5	4,1/16,5
SVF/SBV 60-35/31-6D	3680	269	750	380/3	0,9	1,8/4,1
SVF/SBV 70-40/35-4D	5787	722	1320	380/3	3,7	6/27
SVF/SBV 70-40/35-6D	4040	380	790	380/3	1,1	2/5
SVF/SBV 80-50/40-4D	6822	983	1330	380/3	5	8,1/35
SVF/SBV 80-50/40-6D	7360	501	830	380/3	2,7	4,9/17,5
SVF/SBV 90-50/45-4D	6558	1544	1180	380/3	4,9	8,4/29
SVF/SBV 90-50/45-6D	9213	671	840	380/3	3,7	6,8/24

SVV SERIES FANS

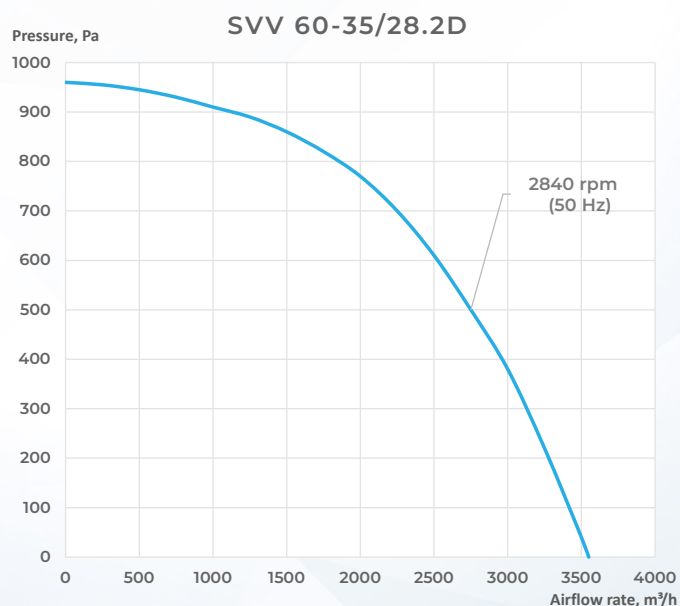
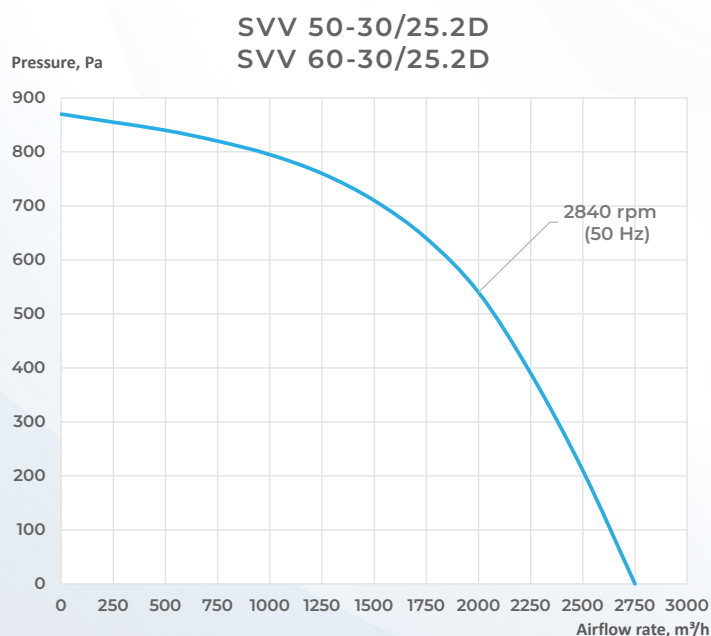
Centrifugal rectangular duct fans with backward-curved blades, SVV series fans are designed for use in supply and exhaust ventilation and air conditioning systems for various types of premises that require reliable and efficient solutions.

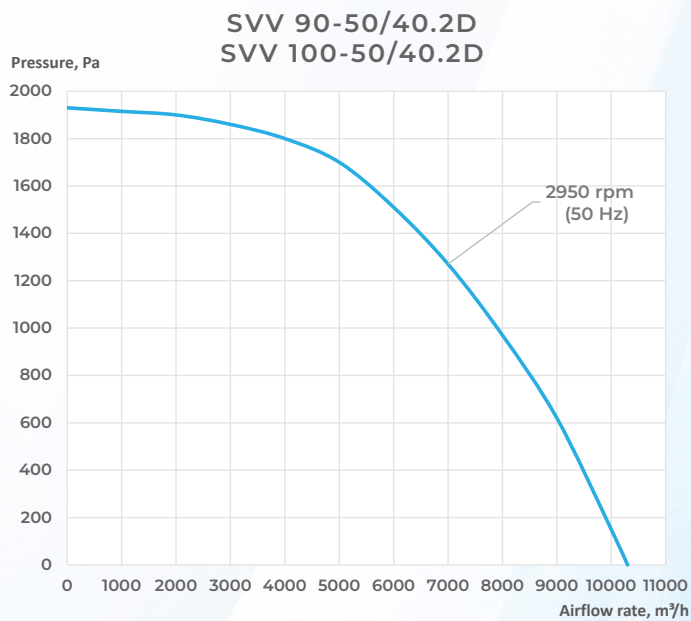
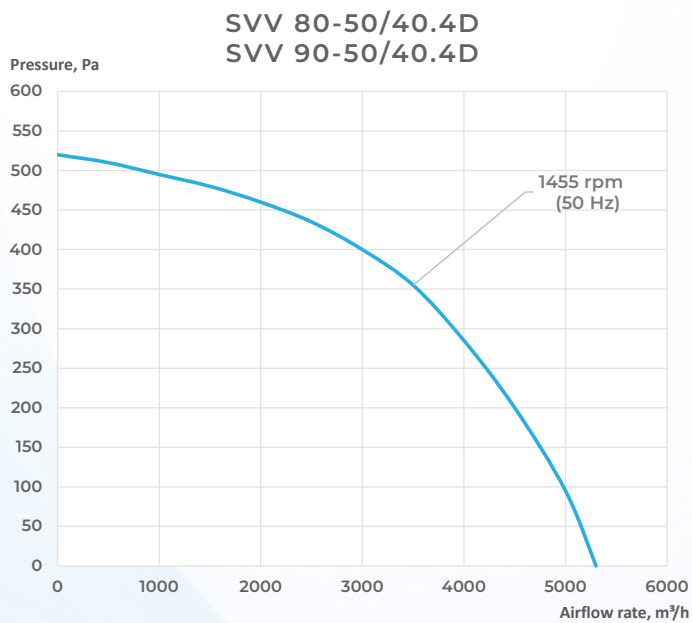
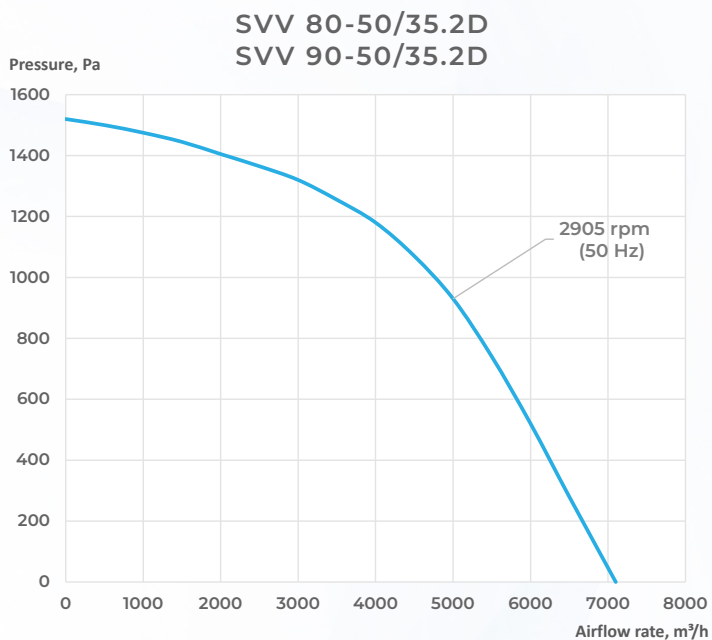
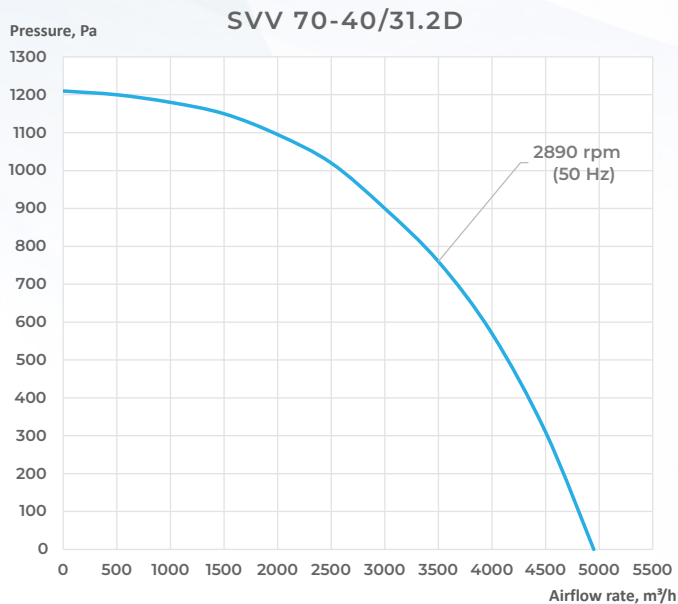
FEATURES

These are highly efficient energy-saving fans with backward-curved impellers and electronically commutated motors. They represent an advanced solution for energy-efficient systems. The fan housing is made of galvanized steel.

FAN ELECTRONICS PROVIDE THE FOLLOWING FUNCTIONS

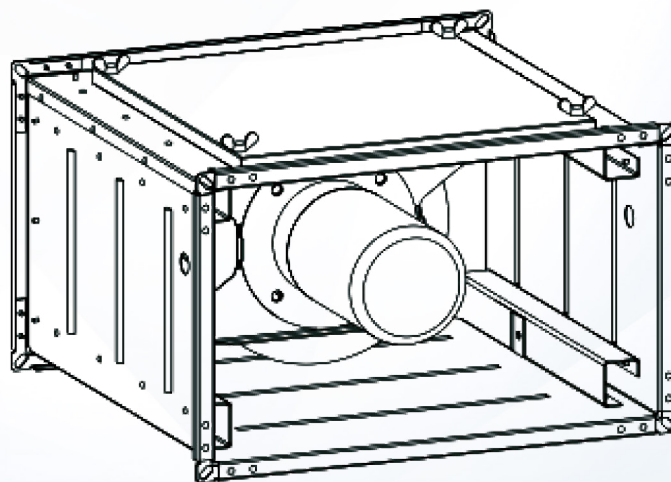
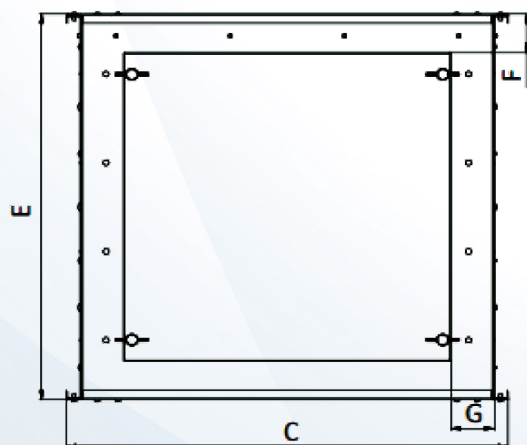
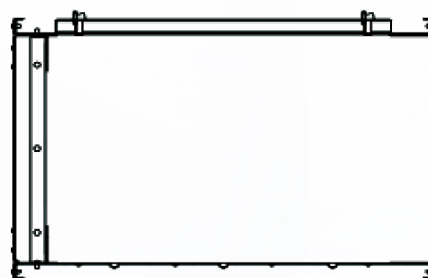
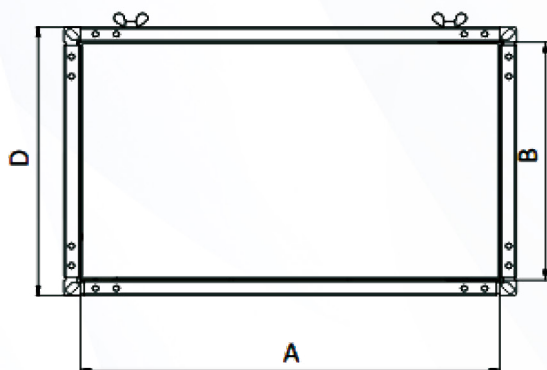
- Wide range of fans in each size category.
- High operational reliability.
- Operating temperature range of mixed air from -30 °C to +40 °C.
- Characteristic curve control using a frequency converter.
- Installation in any position.
- Protection class IP 54.





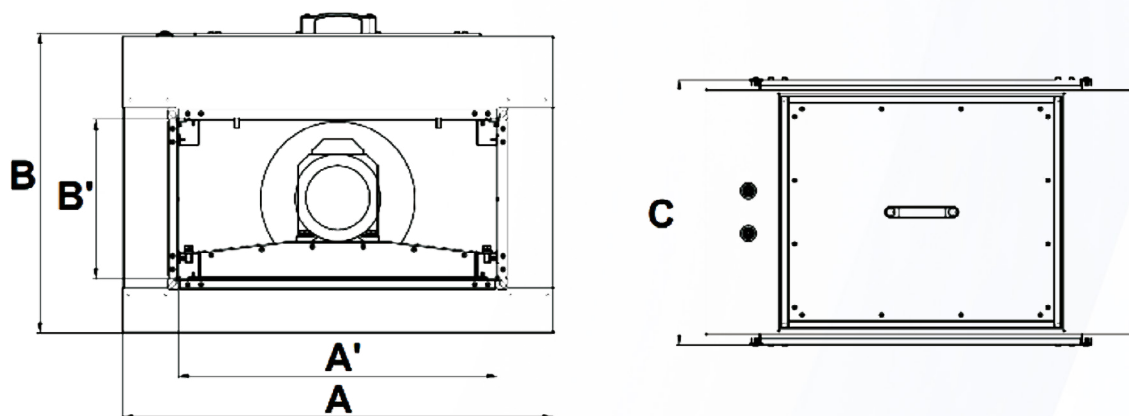
OVERALL AND CONNECTION DIMENSIONS OF SVV SERIES FANS

Name	A	B	C	D	E	F	G
SVV 50-30/25.2D	500	300	540	340	500	50	53
SVV 60-30/25.D	600	300	640	340	500	50	103
SVV 60-35/28.2D	600	350	640	390	500	50	103
SVV 70-40/31.2D	700	400	760	460	580	62,5	103
SVV 80-50/35.2D	800	500	860	560	750	147,5	153
SVV 80-50/40.4D	800	500	860	560	750	147,5	153
SVV 90-50/35.2D	900	500	960	560	750	122,5	178
SVV 90-50/40.2D	900	500	960	560	750	147,5	178
SVV 90-50/40.4D	900	500	960	560	750	122,5	178
SVV 100-50/40.2D	1000	500	1060	560	750	147,5	253



TECHNICAL CHARACTERISTICS OF FANS

Name	A	A'	B	B'	C
SVV 60-30/25-2D	810	600	564,2	300	500
SVV 60-35/35-2D	810	600	614,2	350	500
SVV 80-50/35-2D	1010	800	764,2	500	745
SVV 90-50/40-4D	1110	900	764,2	500	745
SVV 100-50	1210	1000	764,2	500	745



Name	Airflow Capacity, m³/h	Maximum Static Pressure, Pa	Supply Voltage, V	Rated Power, W	Rotational Speed, rpm
SVV 50-30/25.2D	2750	870	3~230/3~400	0,75	2805
SVV 60-30/25.2D	2750	870	3~230/3~400	0,75	2805
SVV 60-35/28.2D	3750	1075	3~230/3~400	0,75	2805
SVV 70-40/31.2D	4950	1210	3~230/3~400	1,1	2835
SVV 80-50/35.2D	7100	1520	3~230/3~400	2,2	2890
4SVV 80-50/40.4D	5300	520	3~230/3~400	1,1	1425
SVV 90-50/35.2D	7100	1520	3~230/3~400	2,2	2890
SVV 90-50/40.2D	10300	1930	3~230/3~400	4	2945
SVV 90-50/40.4D	5300	520	3~230/3~400	1,1	1425
SVV 100-50/40.2D	10300	1930	3~230/3~400	4	2945

FAN CHARACTERISTICS IN SOUND-INSULATED CASING

Name	Airflow Capacity, m³/h	Maximum Static Pressure, Pa	Supply Voltage, V	Rated Power, W	Rotational Speed, rpm
SVV 60-30/25-2D	2750	870	3~230/3~400	0,75	2805
SVV 60-35/35-2D	2750	870	3~230/3~400	0,75	2805
SVV 80-50/35-2D	7100	1520	3~230/3~400	2,2	2890
SVV 90-50/40-4D	5300	520	3~230/3~400	1,1	1425
SVV 100-50/40.2D	2750	870	3~230/3~400	0,75	2805

SV SERIES FANS

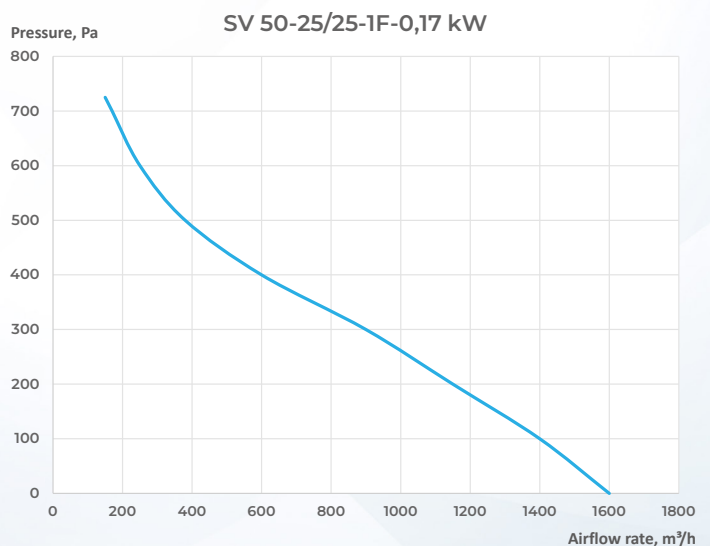
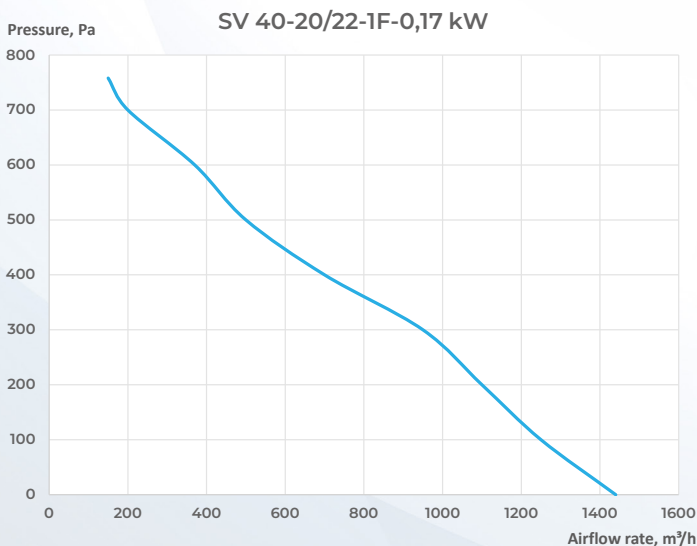
Centrifugal rectangular duct fans with backward-curved blades, SV series based on EC motor with external rotor. Used for supply and exhaust ventilation and air conditioning systems in various applications that require reliable and efficient solutions.

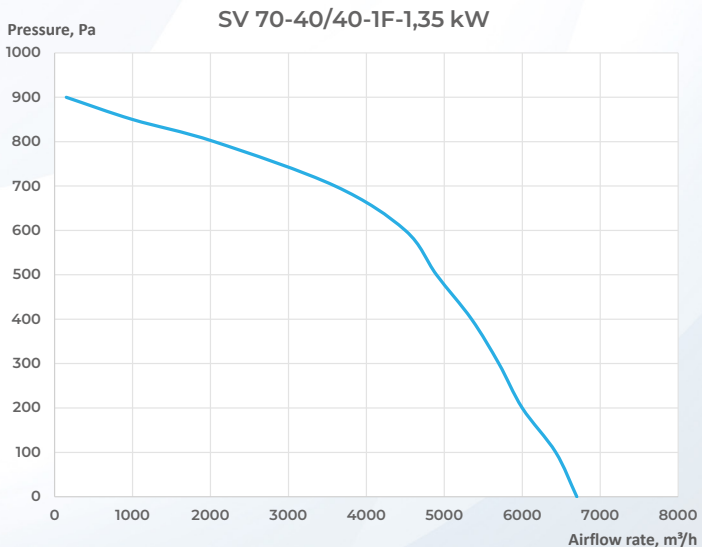
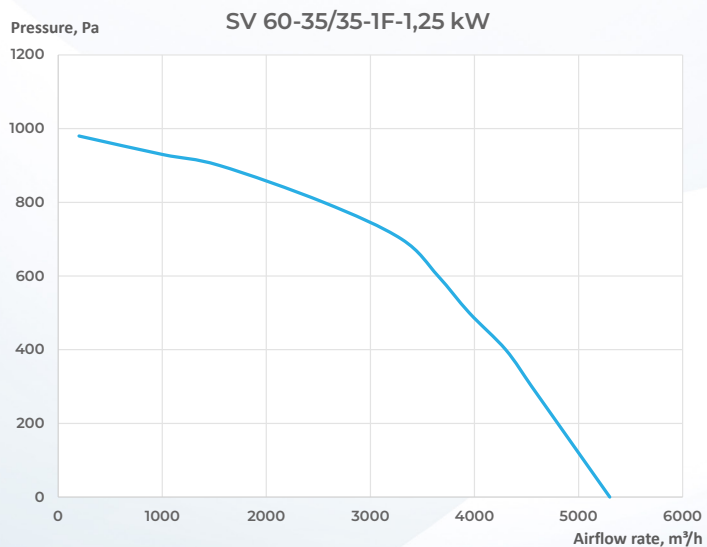
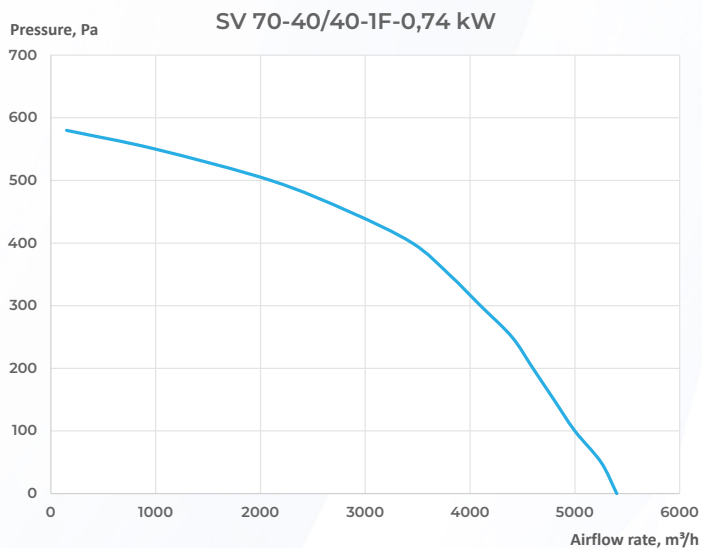
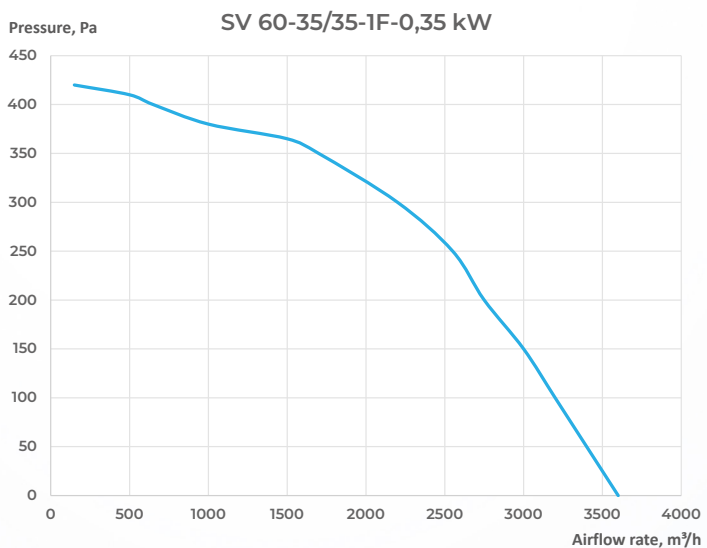
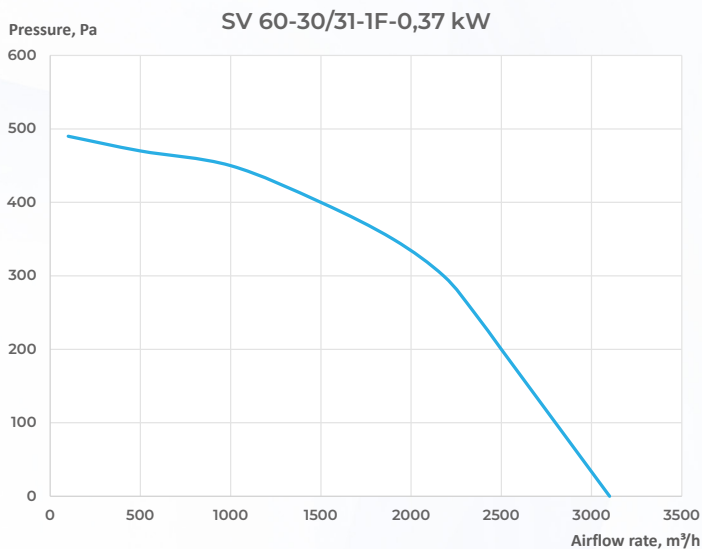
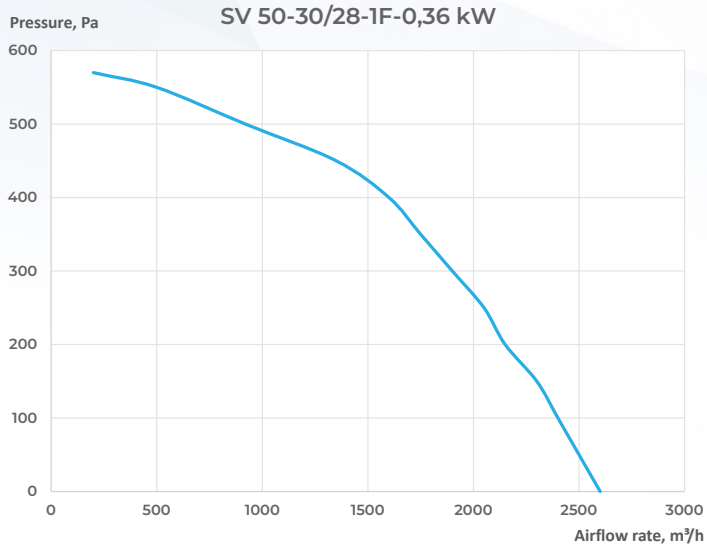
FEATURES

These high-efficiency, energy-saving fans feature backward-curved impellers and electronically commutated motors. They are the best solution for ventilation and smoke extraction applications. The fan housing is made of galvanized steel.

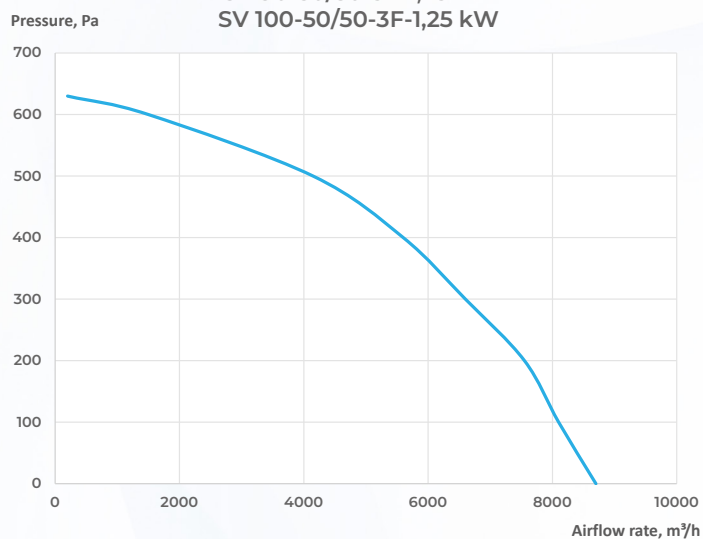
FAN ELECTRONICS UNIT PROVIDES THE FOLLOWING FUNCTIONS:

- Stable parameters during voltage fluctuations of $380 \pm 10\%$ V;
- Soft start;
- Protection against motor impeller blockage;
- Emergency relay output in case of undervoltage/overvoltage in the network and phase loss;
- Low noise level at low speeds;
- Minimal energy losses;
- Built-in protection against motor and electronics overheating, and protection in case of rotor blockage;
- Protection against motor and electronics unit overheating;
- Long service life (over 80,000 hours of continuous operation) due to the absence of components subject to rapid wear;
- Wide range of nominal voltage: 1 ~ 200–277 V or 3 ~ $380 \pm 10\%$ V, at a frequency of 50/60 Hz.

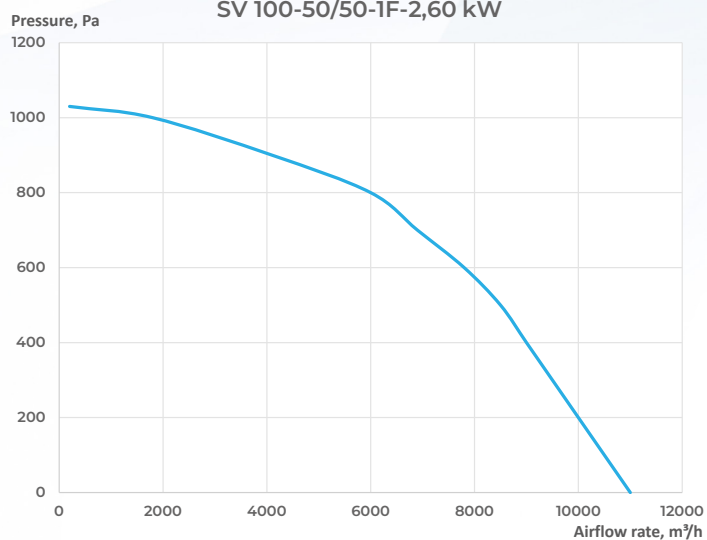




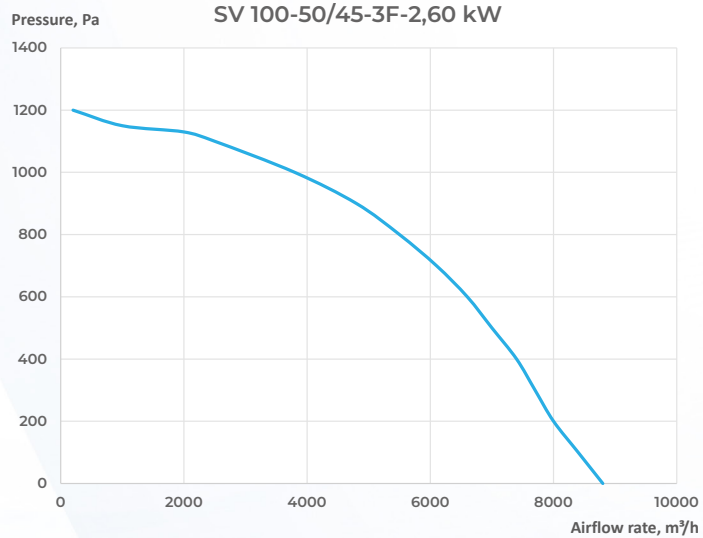
SV 80-50/50-3F-1,25 kW
SV 90-50/50-3F-1,25 kW
SV 100-50/50-3F-1,25 kW



SV 80-50/50-1F-2,60 kW
SV 100-50/50-1F-2,60 kW

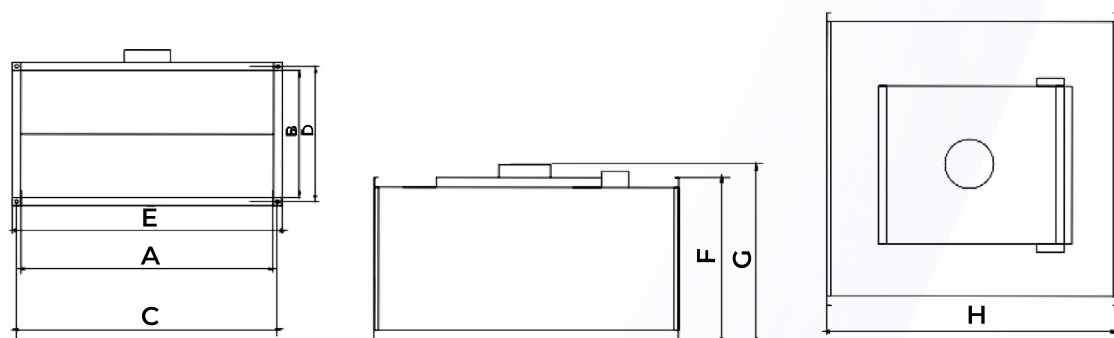


SV 90-50/45-3F-2,60 kW
SV 100-50/45-3F-2,60 kW



OVERALL AND CONNECTION DIMENSIONS OF SVV SERIES FANS

Name	Dimensions (mm)							
	A	B	C	D	E	F	G	H
SV 40-20	400	200	420	220	440	240	240	550
SV 50-25	500	250	520	270	540	290	290	556
SV 50-30	500	300	520	320	540	340	349	640
SV 60-30	600	300	620	320	640	340	377	642
SV 60-35	600	350	620	370	640	390	409	720
SV 70-40	700	400	720	420	740	440	478	706
SV 80-50/50-3F-1.35	800	500	830	530	860	560	602	885
SV 80-50/50-3F-2.60	800	500	830	530	860	560	602	856
SV 90-50	900	500	930	530	960	560	602	856
SV 100-50	1000	500	1030	530	1060	560	602	856



TECHNICAL CHARACTERISTICS OF FANS

Name	Max. Airflow, m ³ /h	Max. Total Pressure, Pa	RPM at Max. Efficiency, min ⁻¹	Voltage	Max. Electric Power, W	Max. Current, A	Motor Insulation Class
SV 40-20/22-1F-0.17	1400	758	2860	1/200-240	170	1,75-1,45	B
SV 50-25/25-1F-0.17	1600	725	2520	1/200-240	170	1,65-1,35	B
SV 50-30/28-1F-0.36	2600	569	2450	1/200-277	670	1,8-1,3	B
SV 60-30/31-1F-0.37	3100	490	2010	1/200-277	370	1,65-1,35	B
SV 60-35/35-1F-0.35	3600	417	1650	1/200-277	350	1,8-1,3	B
SV 60-35/35-3F-1.25	5300	976	2500	3/380-480	1250	2,1-1,65	F
SV 70-40/40-1F-0.74	5400	578	1700	1/200-277	740	1,65-1,35	B
SV 70-40/40-3F-1.35	6700	893	2100	3/380-480	1350	2,4-1,9	F
SV 80-50/50-3F-1.25 SV 90-50/50-3F-1.25 SV 100-50/50-3F-1.25	8700	632	1400	3/380-480	1250	2,1-1,65	F
SV 80-50/50-3F-1.25 SV 100-50/50-3F-2.60	11000	1030	1800	3/380-480	2600	4,3-3,4	F
SV 90-50/45-3F-2.6 SV 100-50/45-3F-2.60	8800	1209	2121	3/380-480	2600	4,2-3,3	F