

Product overview

Single-phase

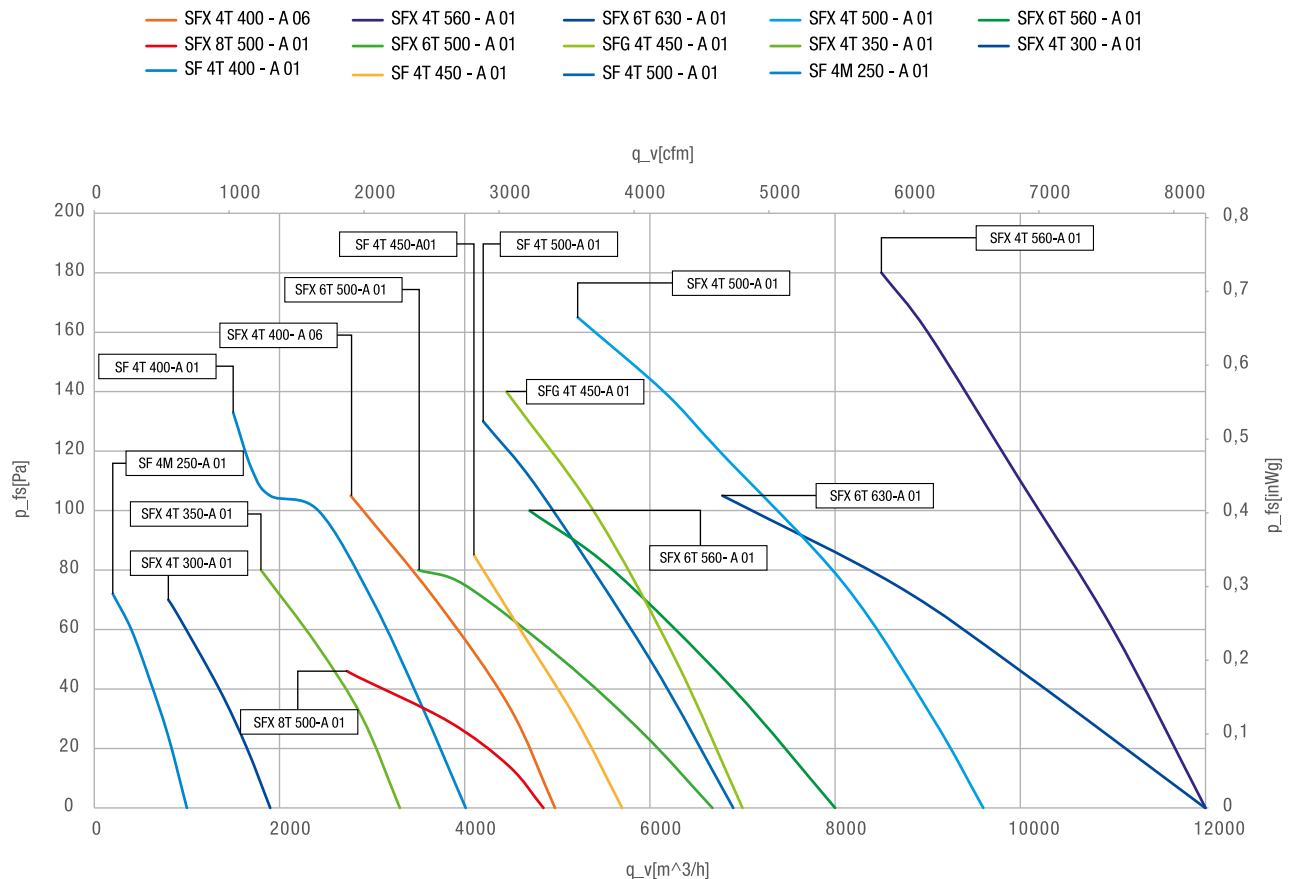
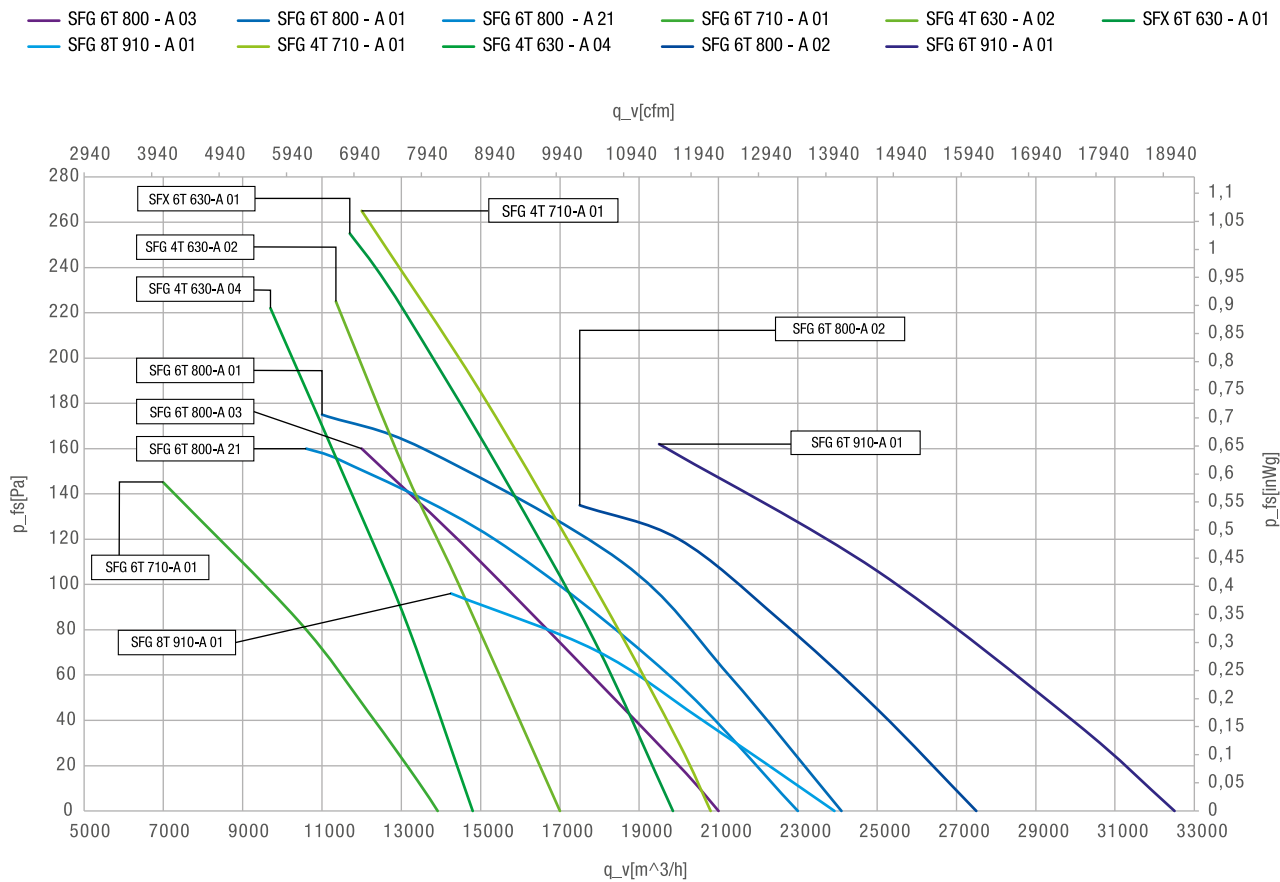
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Three-phase

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SF Series Cooling Fans Performance Range



SF ecoDiff.



SF ecoDiff. It is a product that we designed based on our experience and that will reduce electricity power consumption. Today, it has become extremely important to use energy more efficiently. In this context, as BVN, we approach this issue sensitively. We aim for a cleaner world by complying with ErP directives and developing energy efficiency products.

With its strong staff, up-to-date technology and environmentally friendly understanding, BVN always continues its tradition of being a leader in its field.

This innovative design, which was first used with our axial fans with 800 mm diameter, will be designed in all nozzle product diameters over time and will be offered to you, our users. SF ecoDiff. for the same working conditions demanded; It offers less power consumption and a lower noise level on the same system curve. With this innovative diffuser design, a better aerodynamic performance is achieved and comfort conditions are improved. The diffuser, which has a good effect on the aerodynamic performance, ensures that the efficiency levels specified in the ErP directives are easily achieved. The SF ecoDiff is designed to be mounted directly on your existing fans. It is also a very good choice for your fans placed side by side with its compact structure. It can be used as plug-and-play without the need for any revision in your products. SF ecoDiff. only 280 mm high!

Our product designed by BVN R&D is designed as the most efficient type diffuser, circular diffuser. The design will be most suitable for aerodynamic improvement; AXIONkanat[®] blade, which is optimized based on artificial intelligence, has been sized with conjugate CFD analysis.

Our work is carried out by complying with ErP directives and always improving the satisfaction of our customers. It is on its way to be the pioneer of the BVN sector, which is always getting stronger with fast lead times, quality workmanship and up-to-date technology.

Art of Fans - BVN



- up to %25 less energy consumption
- up to 6 dB(A) less noise level
- up to %10 increased air performance



ABOUT US

BVN has been providing millions of ventilation fans of different scales, used in various application areas by thousands of institutions from 85 countries of the world for 30 years. BVN carries out its design, production, and R&D activities for ventilation fans and external rotor electric motors as part of its wide range of products. Having adopted the end-to-end domestic production philosophy, BVN offers its 100% Made in Turkey products to the HVAC (Heating, Ventilation, and Air Conditioning) industry and other industries with a competitive edge thanks to compliance with international standards, and pro-vides services to its business partners in Turkey and around the world with its professional staff and flexible production capabilities. We have set out with the slogan “For A Breath of Fresh Air” and we work hard for more efficiency, more comfort and a better future.

GENERAL INFORMATION

BVN Fans are produced according to EN 60034-1; EN 61800-5-1; EN 60335-1; (Depending on the model, the standard changes.) Fans can use all kinds of axial cooling fans. BVN motors meet the requirements of EN 60034-1 and 60335-1 adopted international standards. Thanks to our special fan blade and motor design, we can reach a high flow-low pressure operation point with lower noise and high efficiency.

By using optimized blade and fan technology with aerodynamic CFD analysis, the product has been designed in the field of highest efficiency and service. By transferring our decades of experience to axial cooling fans, we satisfy all the requirements of international standards. Streamlined blade shape designed for optimal flow, highest efficiency and lowest noise level. Protective wire and wire mesh electrostatic powder coated steelwire. The propeller is coupled directly to the motor. Protective and carrier wireframe produced in standard connection dimensions.

Advantages ;

- Streamlined blade shape designed for optimal flow, highest efficiency and lowest noise level
- Robust design (-40 degrees Celsius and all models can operate at minimum +40 and +90 degrees Celsius depending on model)
- Compact structure and low weight thanks to external rotor motor
- Low energy consumption
- Long service life
- Variable corrosion protection classes for the external environment
- Wide product range that can meet the variable demands of machine manufacturers
- Protective grille on inlet and outlet edges and optional square or rounded cases.
- As a motor and fan manufacturer, we can provide variable customer demand performance, construction and corrosion class in design.

Affiliated Organizations and Our Certification



SF SERIES

COOLING FANS

Fan Components and Material Properties

The propeller is manufactured from electrostatic powder coated sheet metal, composite plastic or aluminum sheet metal. Protective wire and wire mesh electrostatic powder coated steel wire. The propeller is coupled directly to the motor. Protective and carrier wireframe produced in standard connection dimensions. All motors "F" insulation class and standard protection class is IP 54.

* Square Plate and Flat Grill and other options are available. Please contact BVN representatives for request and detailed information.

Benefits

With its blower and suction types, the SF cooling fans are designed for high performance, low noise level and long-term maintenance-free operation in a variety of applications. Speed can be adjusted with speed control devices. Propellers are manufactured in the most ideal angle according to their size and maximum performance is ensured.

Speed Control

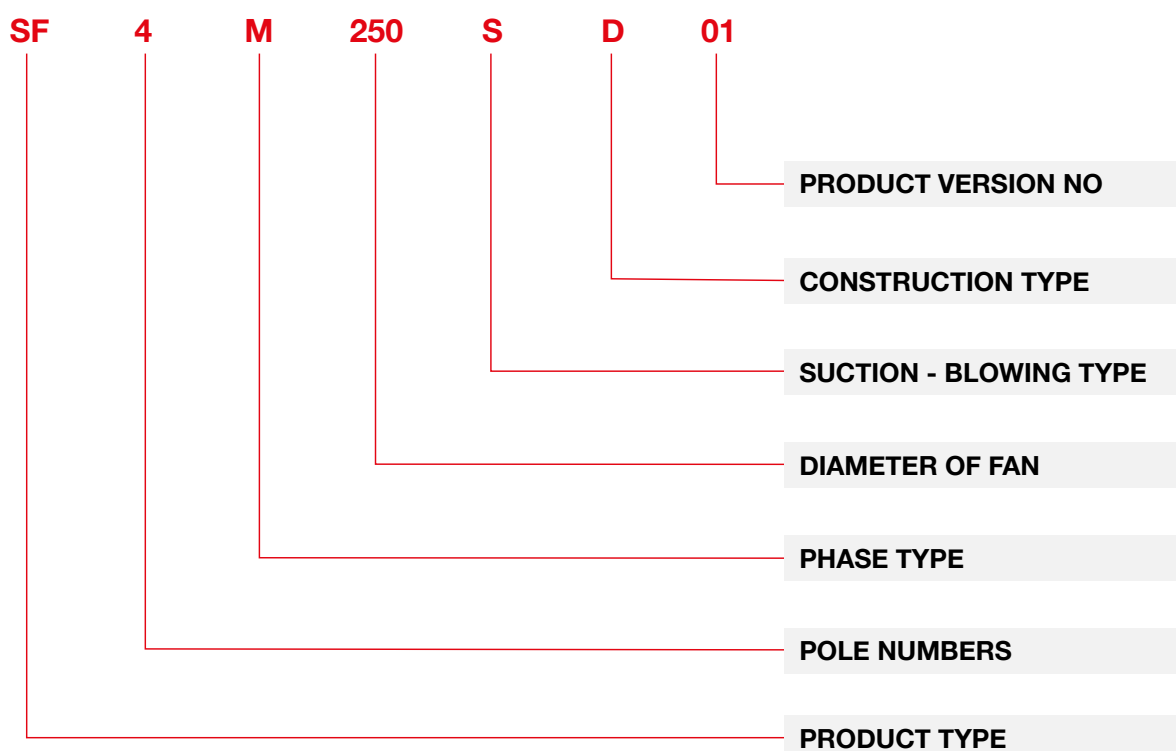
Optional control devices can be provided. 1~Phase products can be controlled with linear voltage regulator (see BSC accessory).

* In line with the demand, three-phase models can be produced in accordance with the inverter.

Usage Areas

Refrigeration machines, laboratories, residences, air-conditioning outdoor units, hot and cold air appliances and industrial chillers etc. used in places.

Product Code Descriptions



SF 4M 250

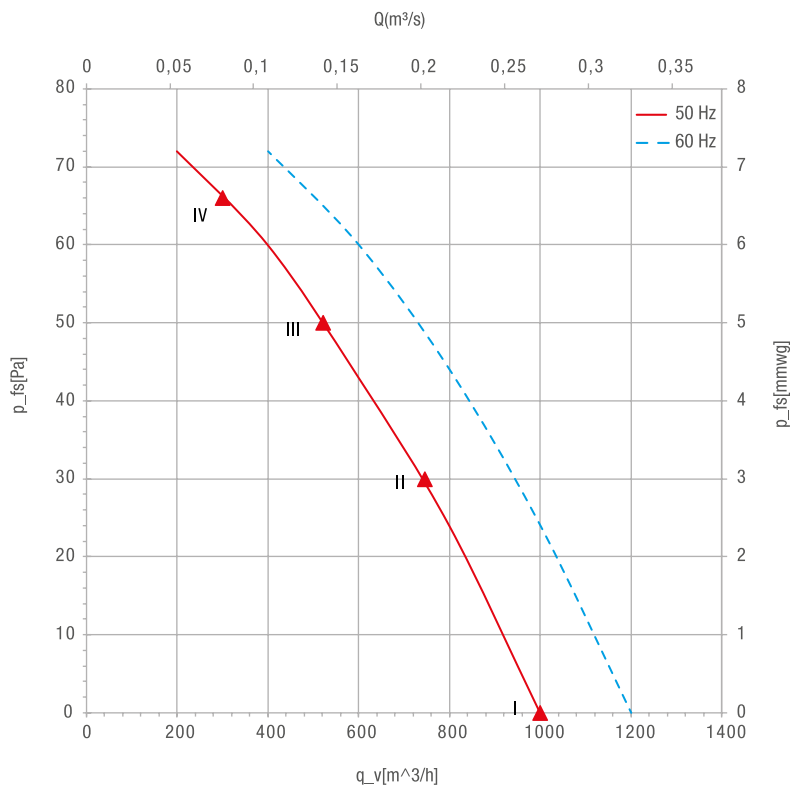


Description

Motor technology: AC
Rated voltage U_N : 230 V~50/60 Hz
Rated frequency f_N : 50/60 Hz
Input power P_{ed} : 55W
Rated current I_A : 0.26 A
Rated speed n_N : 1370/1615 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
Service capacitor C_{400V} : 1.5 µF
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Steel sheet metal
Approval: CE

Electrical connection provided by the terminal box.

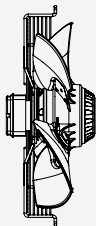
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Max. Airflow	Pressure	qv cfm	P_fs in.Wg
		U [V]	f Hz	n RPM	P_e W	I [A]		m³/h	P_fs Pa		
SF 4M 250- A 01	I	1~230	50	1404	50	0.22	44	1000	0	588	0,00
	II	1~230	50	1380	54	0.23	44	750	30	441	0,12
	III	1~230	50	1360	55	0.25	45	500	50	294	0,20
	IV	1~230	50	1340	55	0.27	46	300	66	176	0,27

Product Variant Information

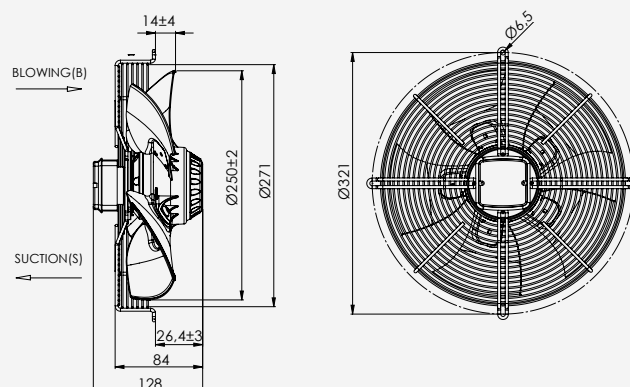
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Weight	2,5 KG	3,5 KG
		
Type	SF 4M 250 S/B-D 01	SF 4M 250 S/B-F 01

Air flow direction "S"

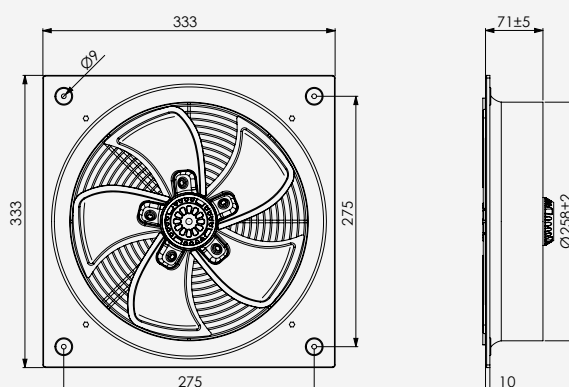
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC



SF 2M 300

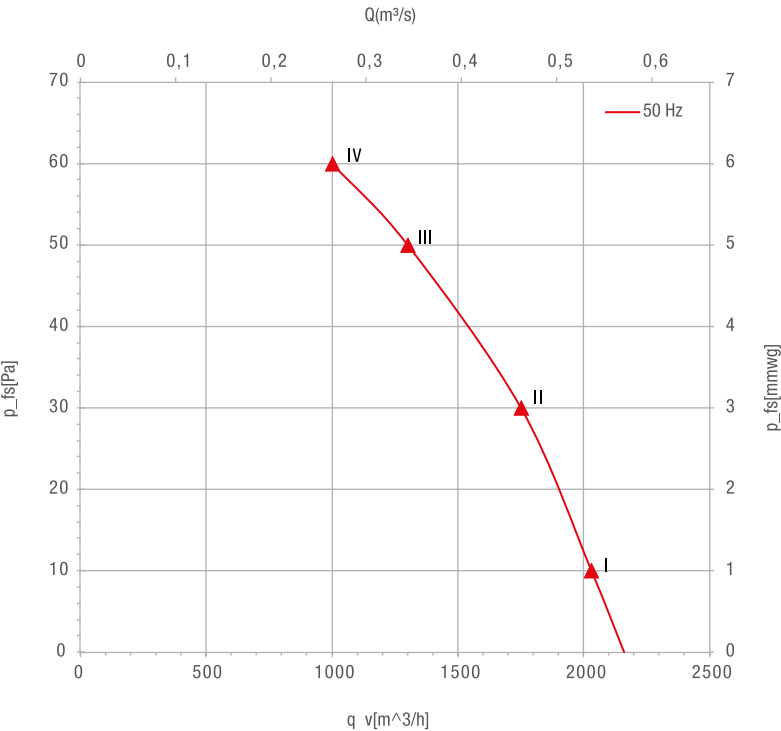


Description

Motor technology: AC
Rated voltage U_N : 230 V~50/60 Hz
Rated frequency f_N : 50/60 Hz
Input power P_{ed} : 169 W
Rated current I_A : 0.66 A
Rated speed n_N : 2220 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +50°C
Service capacitor C_{400V} : 4 µF
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Steel sheet metal
Approval: CE

Electrical connection provided by the terminal box.

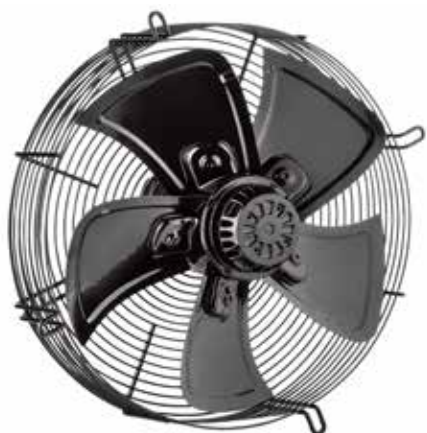
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure	qv cfm	P _{fs} in.Wg
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa		
SF 2M 300-A 01	I	1~230	50	2484	152	0,64	2160	0	1271	0,00
	II	1~230	50	2412	160	0,65	2030	10	1194	0,04
	III	1~230	50	2316	161	0,66	1750	30	1029	0,12
	IV	1~230	50	2220	169	0,66	1300	50	765	0,20

SF 4M 300

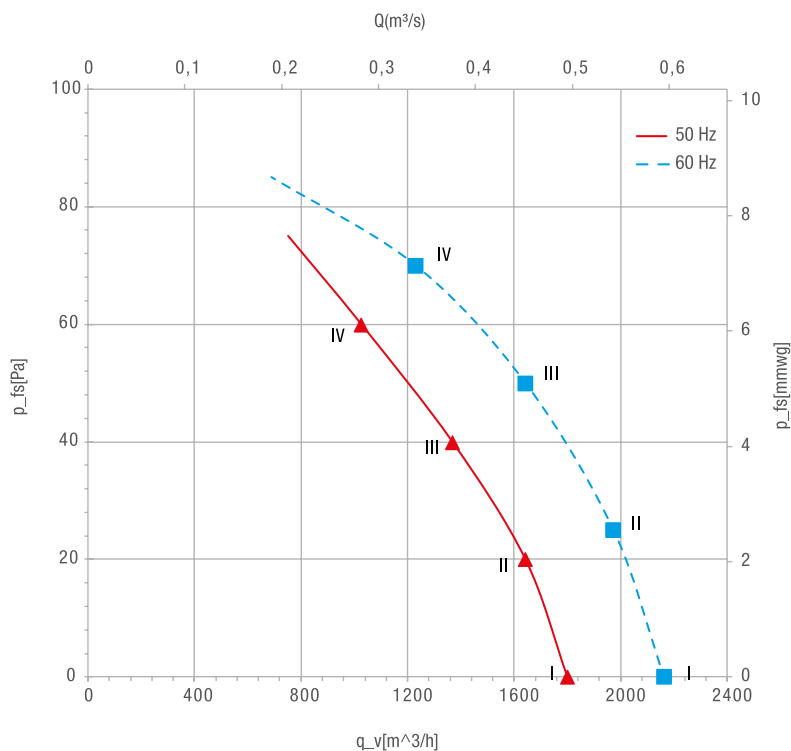


Description

Motor technology: AC
 Rated voltage U_N : 230 V~50/60 Hz
 Rated frequency f_N : 50/60 Hz
 Input power P_{ed} : 72W/87W
 Rated current I_A : 0.32-0.38 A
 Rated speed n_N : 1356/1627 min⁻¹
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +50°C
 Service capacitor C_{400V} : 2.5 μ F
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Steel sheet metal
 Approval: CE

Electrical connection provided by the terminal box.

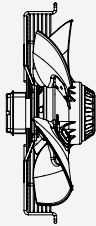
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa	q _v cfm	P _{fs} in.Wg
SF 4M 300-A 01	I	1~230	50	1356	72	0,33	1801	0	1059	0,00
	II	1~230	50	1344	76	0,35	1643	20	966	0,08
	III	1~230	50	1333	78	0,37	1368	40	805	0,16
	IV	1~230	50	1284	80	0,38	1025	60	603	0,24
	I	1~230	60	1627	87	0,4	2161	0	1271	0,00
	II	1~230	60	1613	89	0,42	1972	25	1160	0,10
	III	1~230	60	1600	91	0,43	1642	50	966	0,20
	IV	1~230	60	1541	94	0,44	1230	70	724	0,28

Product Variant Information

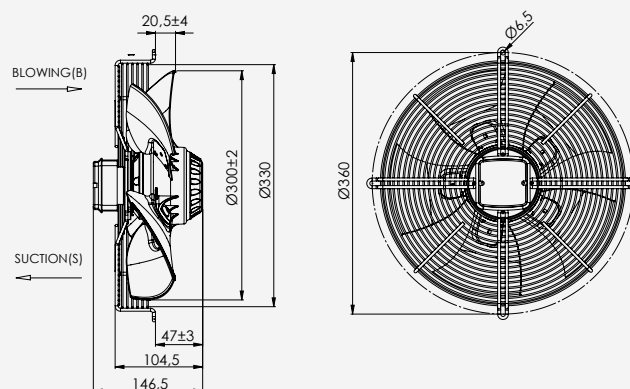
Design	D 01	F 01
Weight	4 KG	4,5 KG
		
Type	SF 4M 300 S/B-D 01	SF 4M 300 S/B-F 01

Air flow direction "S"

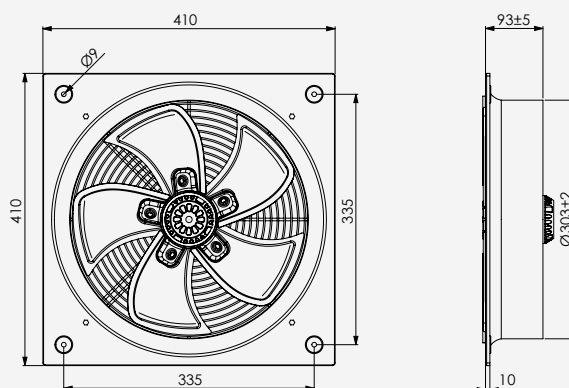
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01

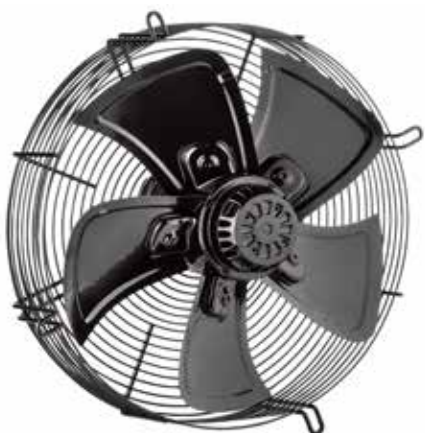


Accessories

BSC



SFX 4M 300

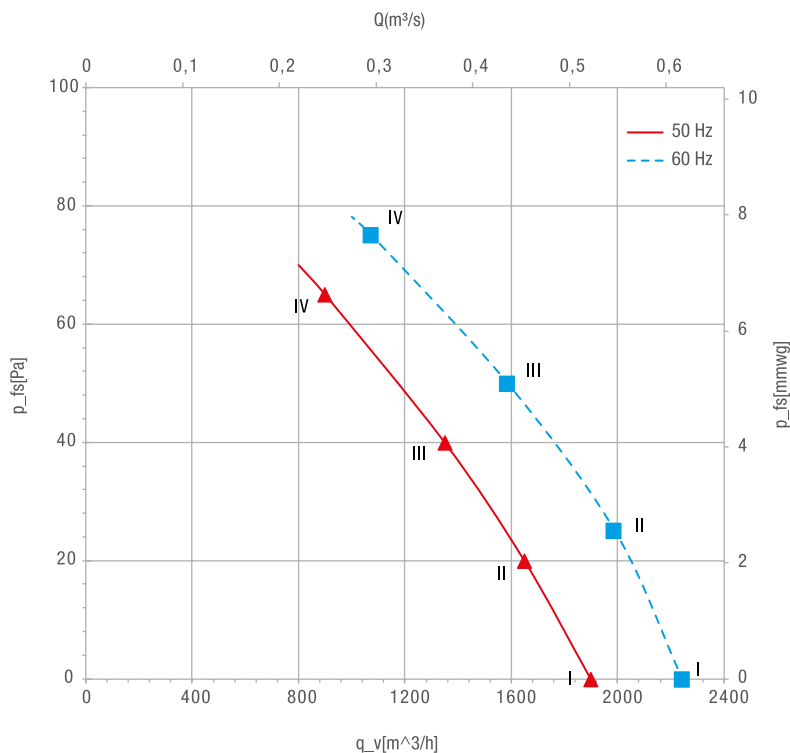


Description

Motor technology: AC
 Rated voltage U_N : 230 V~50/60 Hz
 Rated frequency f_N : 50/60 Hz
 Input power P_{ed} : 100W/120W
 Rated current I_A : 0.5-0.54 A
 Rated speed n_N : 1450/1710 min⁻¹
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
 Service capacitor C_{400V} : 3.5 μ F
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Steel sheet metal
 Approval: CE

Electrical connection provided by the terminal box.

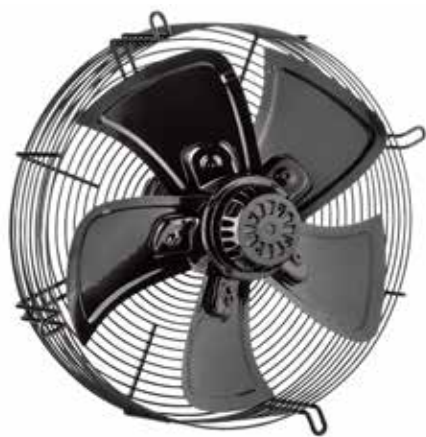
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa	qv cfm	P _{fs} in.Wg
SFX 4M 300-A 01	I	1~230	50	1450	81	0,41	1900	0	1118	0,00
	II	1~230	50	1450	83	0,42	1650	20	971	0,08
	III	1~230	50	1440	89	0,45	1350	40	794	0,16
	IV	1~230	50	1430	100	0,5	900	65	529	0,26
	I	1~230	60	1740	103	0,46	2240	0	1318	0,00
	II	1~230	60	1730	107	0,48	1987	25	1169	0,10
	III	1~230	60	1720	111	0,50	1583	50	931	0,20
	IV	1~230	60	1710	120	0,54	1072	75	631	0,30

SF 4M 350

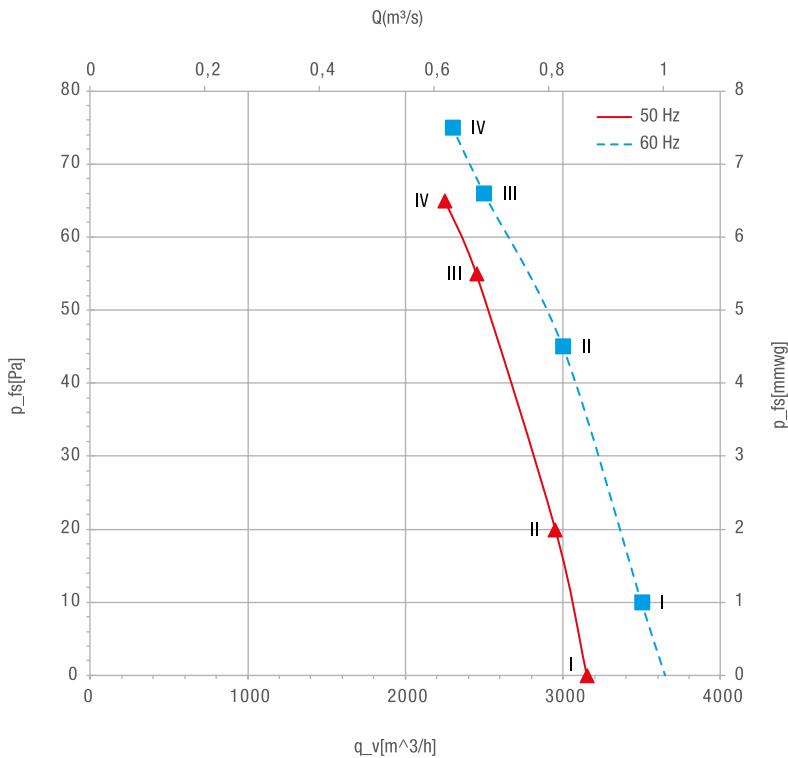


Description

Motor technology: AC
Rated voltage U_N : 230 V~50 Hz
Rated frequency f_N : 50 Hz
Input power P_{ed} : 115W/150W
Rated current I_A : 0.5/0.66 A
Rated speed n_N : 1225 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
Service capacitor C_{400V} : 4 µF
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Steel sheet metal
Approval: CE

Electrical connection provided by the terminal box.

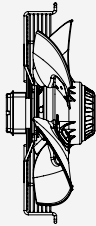
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure	qv cfm	P _{fs} in.Wg
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa		
SF 4M 350-A 01	I	1~230	50	1245	115	0.51	3100	0	1824	0,00
	II	1~230	50	1235	95	0.55	2850	30	1676	0,12
	III	1~230	50	1164	109	0.63	2350	56	1382	0,22
	IV	1~230	50	1080	115	0.71	1700	77	1000	0,31
	I	1~230	60	1284	150	0.66	3100	0	1824	0,00
	II	1~230	60	1275	126	0.71	2850	30	1676	0,12
	III	1~230	60	1210	140	0.75	2350	56	1382	0,22
	IV	1~230	60	1164	150	0.88	1700	77	1000	0,31

Product Variant Information

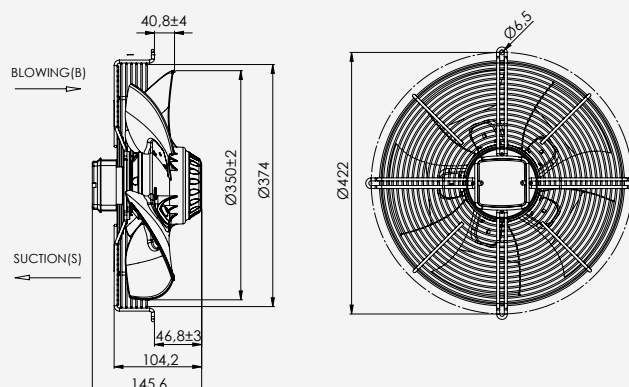
Design	D 01	F 01
Weight	3,3 KG	4 KG
		
Type	SF 4M 350 S/B-D 01	SF 4M 350 S/B-F 01

Air flow direction "S"

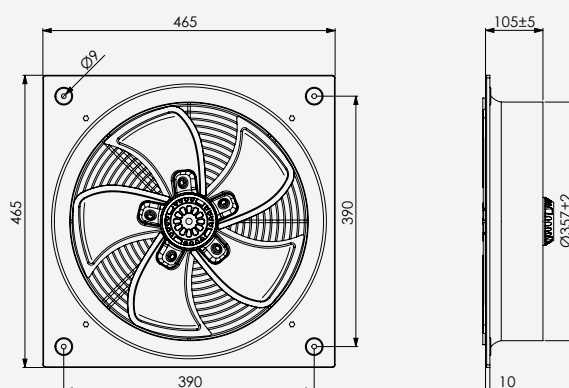
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01

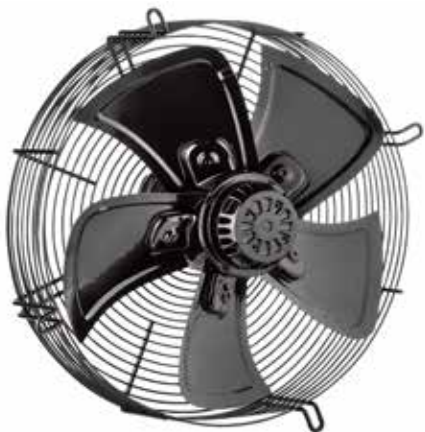


Accessories

BSC



SFX 4M 350

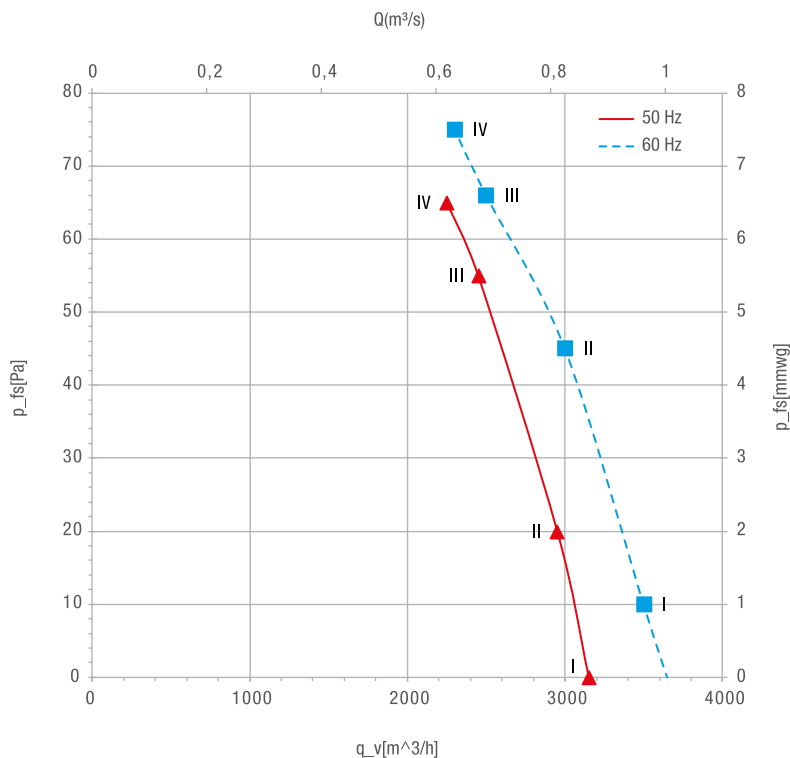


Description

Motor technology: AC
 Rated voltage U_N : 230 V~50/60 Hz
 Rated frequency f_N : 50/60 Hz
 Input power P_{ed} : 165W/195W
 Rated current I_A : 0.75-0.85 A
 Rated speed n_N : 1380/1545 min⁻¹
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
 Service capacitor C_{400V} : 4 µF
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Steel sheet metal
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

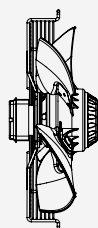


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa	qv cfm	P _{fs} in.Wg
SFX 4M 350-A 01	I	1~230	50	1380	146	0.65	3300	0	1941	0,00
	II	1~230	50	1344	155	0.69	2900	30	1706	0,12
	III	1~230	50	1332	160	0.71	2400	55	1412	0,22
	IV	1~230	50	1308	171	0.76	1800	80	1059	0,32
	I	1~230	60	1545	159	0.70	3700	0	2176	0,00
	II	1~230	60	1520	167	0.77	3300	30	1941	0,12
	III	1~230	60	1490	186	0.82	2800	55	1647	0,22
	IV	1~230	60	1475	199	0.88	2150	80	1265	0,32

Product Variant Information

Design D-01
Weight 4,2 KG



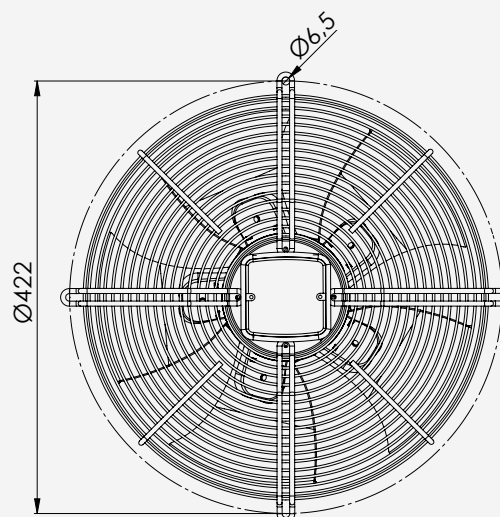
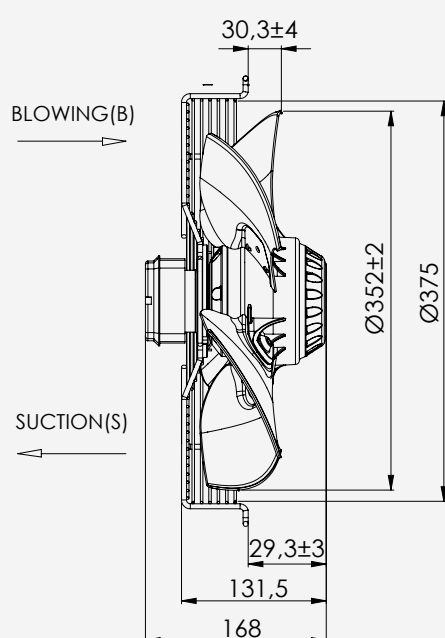
Air flow direction "S"

Air flow direction "B"

Type SFX 4M 350 S/B-D 01

Dimensions [mm]

Design D 01

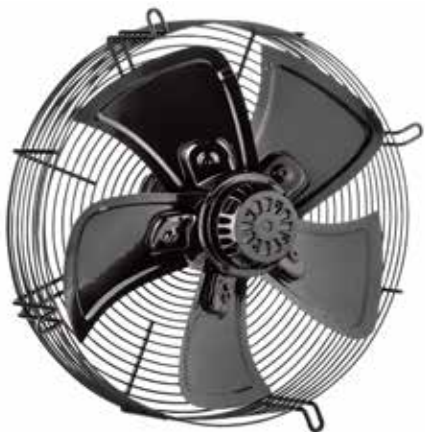


Accessories

BSC



SF 4M 400

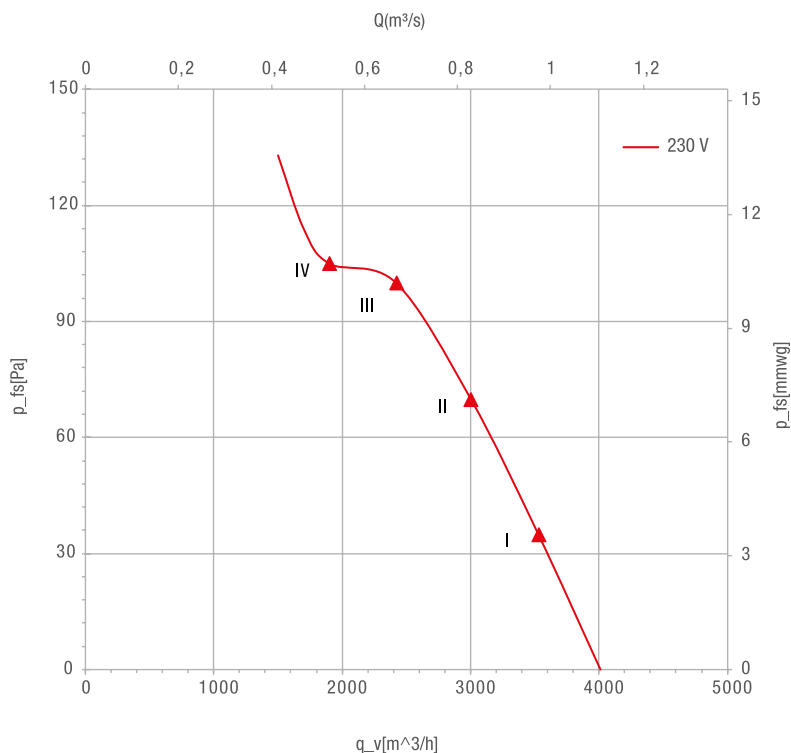


Description

Motor technology: AC
 Rated voltage U_N : 230 V~50/60 Hz
 Rated frequency f_N : 50/60 Hz
 Input power P_{ed} : 160W/220W
 Rated current I_A : 0.75/1.1 A
 Rated speed n_N : 1400/1650 min⁻¹
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +40°C
 Service capacitor C_{400V} : 5 μ F
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium sheet metal
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

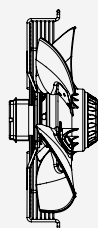


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa	qv cfm	P _{fs} in.Wg
SF 4M 400-A 01	I	230	50	1430	120	0,56	4.011	0	2359	0,00
	II	230	50	1420	140	0,65	3.527	35	2075	0,14
	III	230	50	1410	150	0,7	3.001	70	1765	0,28
	IV	230	50	1390	160	0,75	2.420	100	1424	0,40
	I	230	60	1645	195	0,93	4.011	0	2359	0,00
	II	230	60	1633	205	0,99	3.527	35	2075	0,14
	III	230	60	1622	210	1,06	3.001	70	1765	0,28
	IV	230	60	1599	220	1,11	2.420	100	1424	0,40

Product Variant Information

Design	D 01	F 01
Weight	6,1 KG	7,5 KG



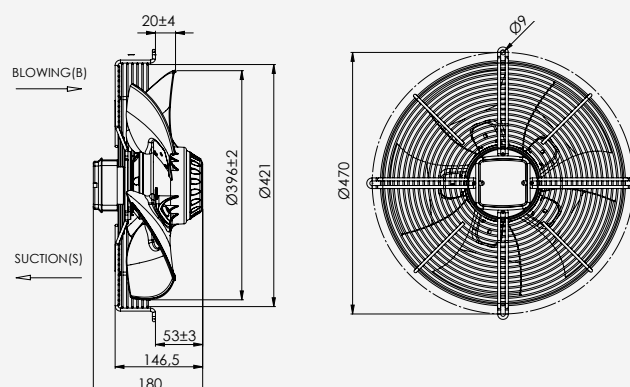
Air flow direction "S"

Air flow direction "B"

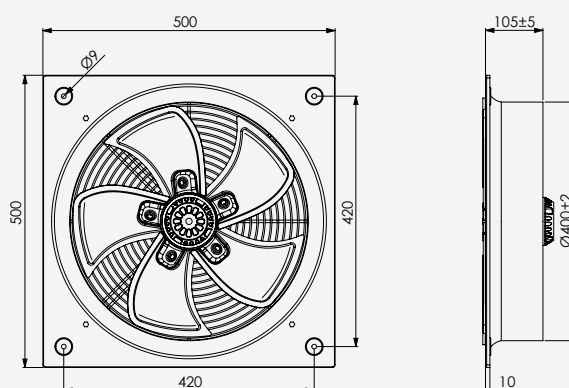
Type	SF 4M 400 S/B-D 01	SF 4M 400 S/B-F 01
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Dimensions [mm]

Design D 01



Design F 01

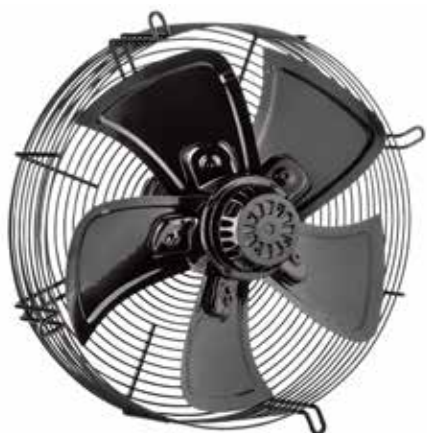


Accessories

BSC



SF 4M 450

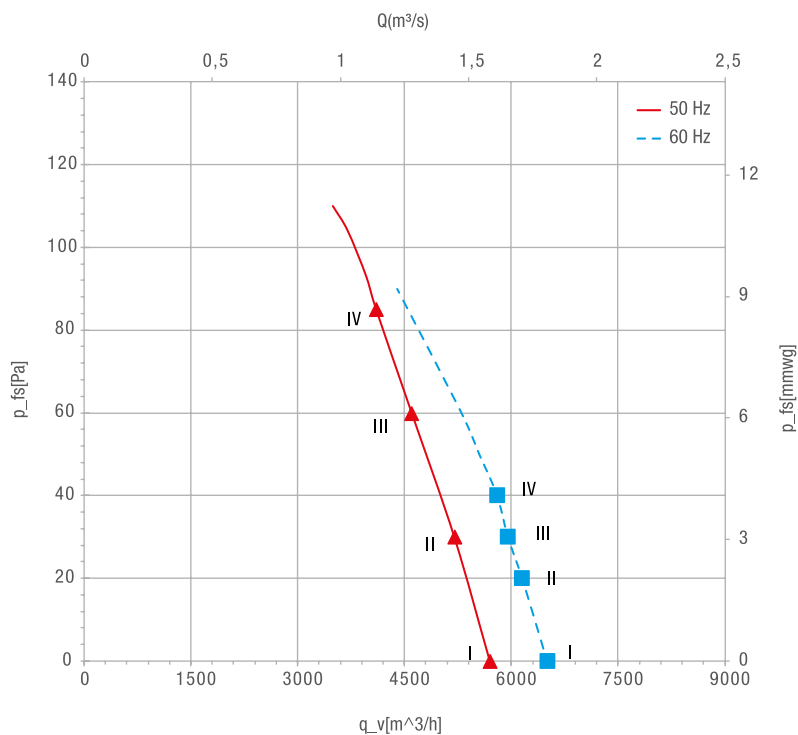


Description

Motor technology: AC
 Rated voltage U_N : 230 V~50/60 Hz
 Rated frequency f_N : 50/60 Hz
 Input power P_{ed} : 245W/355W
 Rated current I_A : 1.2/1.6 A
 Rated speed n_N : 1400/1600 min⁻¹
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +40°C
 Service capacitor C_{400V} : 7 µF
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium sheet metal
 Approval: CE

Electrical connection provided by the terminal box.

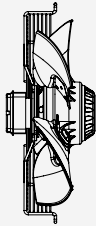
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa	qv cfm	P _{fs} in.Wg
SF 4M 450-A 01	I	230	50	1375	222	1,08	5700	0	3353	0,00
	II	230	50	1365	245	1,14	5200	30	3059	0,12
	III	230	50	1355	261	1,18	4600	60	2706	0,24
	IV	230	50	1350	274	1,24	4100	85	2412	0,34
	I	230	60	1600	355	1,59	6500	0	3824	0,00
	II	230	60	1580	364	1,67	6150	20	3618	0,08
	III	230	60	1560	376	1,7	5950	30	3500	0,12
	IV	230	60	1520	391	1,76	5800	40	3412	0,16

Product Variant Information

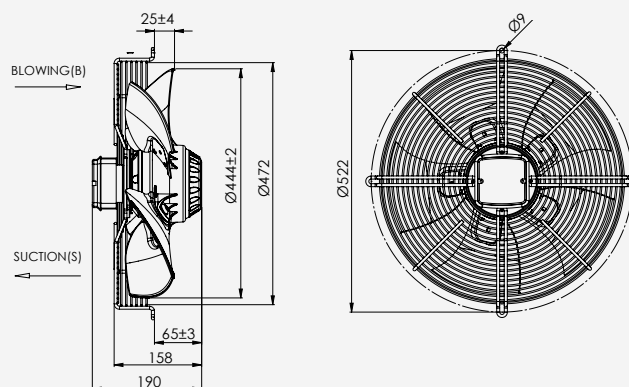
Design	D 01	F 01
Weight	6,9 KG	8 KG
		
Type	SF 4M 450 S/B-D 01	SF 4M 450 S/B-F 01

Air flow direction "S"

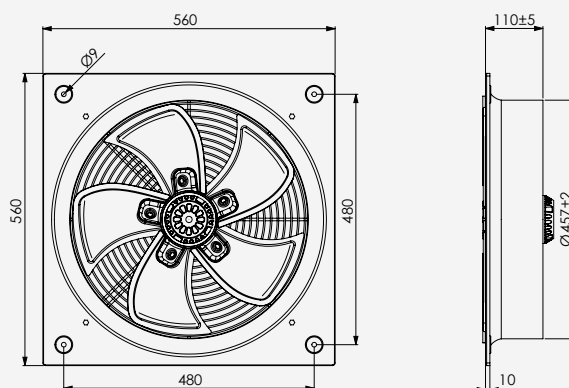
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01

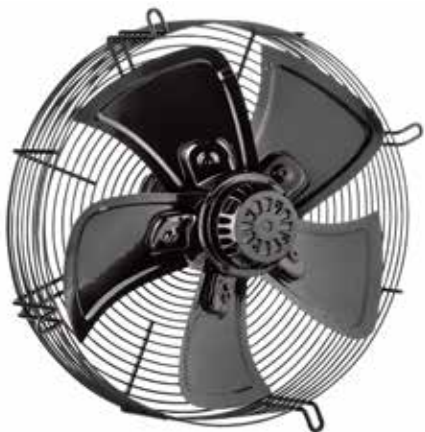


Accessories

BSC



SFX 6M 450

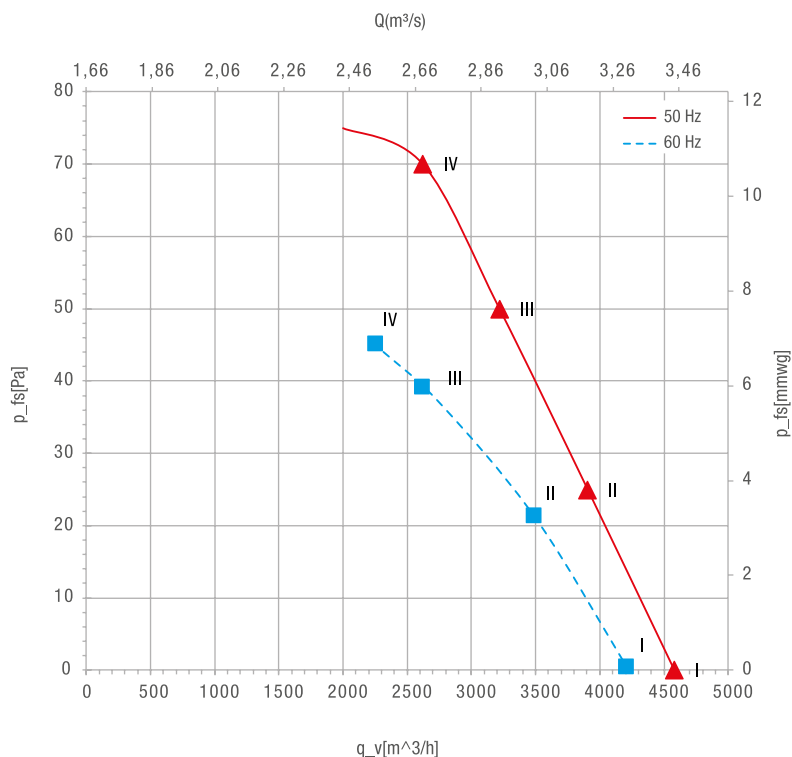


Description

Motor technology: AC
 Rated voltage U_N : 230 V~50/60 Hz
 Rated frequency f_N : 50/60 Hz
 Input power P_{ed} : 165W/220W
 Rated current I_A : 0.75/0.95 A
 Rated speed n_N : 910/1025 min⁻¹
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +80°C
 Service capacitor C_{400V} : 4 µF
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

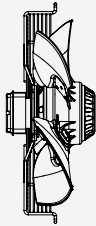
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	q_v cfm	P_{fs} in. Wg
SFX 6M 450-A 01	I	230	50	900	138	0,53	56	56	4.581	0	2695	0,00
	II	230	50	860	146	0,58	55	55	3.906	25	2298	0,10
	III	230	50	820	157	0,63	53	54	3.219	50	1894	0,20
	IV	230	50	805	165	0,75	52	53	2.623	70	1543	0,28
	I	230	60	845	201	0,64	55	56	4.225	0	2485	0,00
	II	230	60	835	207	0,76	54	54	3.500	21	2059	0,08
	III	230	60	810	213	0,83	52	53	2.750	37	1618	0,15
	IV	230	60	790	220	0,95	52	52	2.250	45	1324	0,18

Product Variant Information

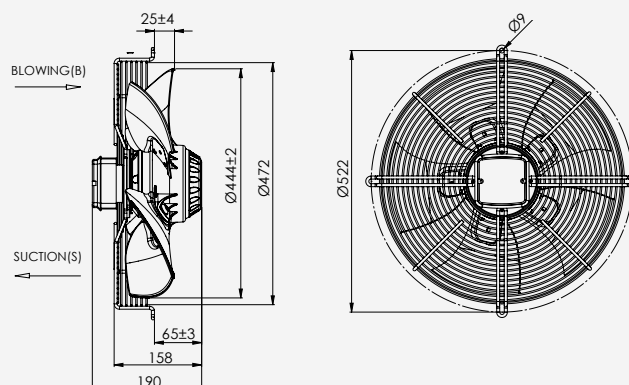
Design	D 01	F 01
Weight	6,9 KG	8 KG
		
Type	SFX 6M 450 S/B-D 01	SFX 6M 450 S/B-F 01

Air flow direction "S"

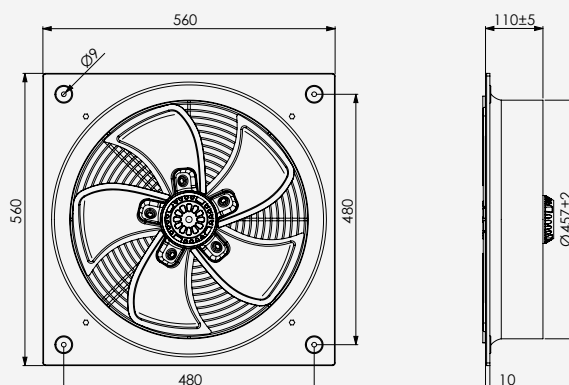
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC



SFG 4M 450

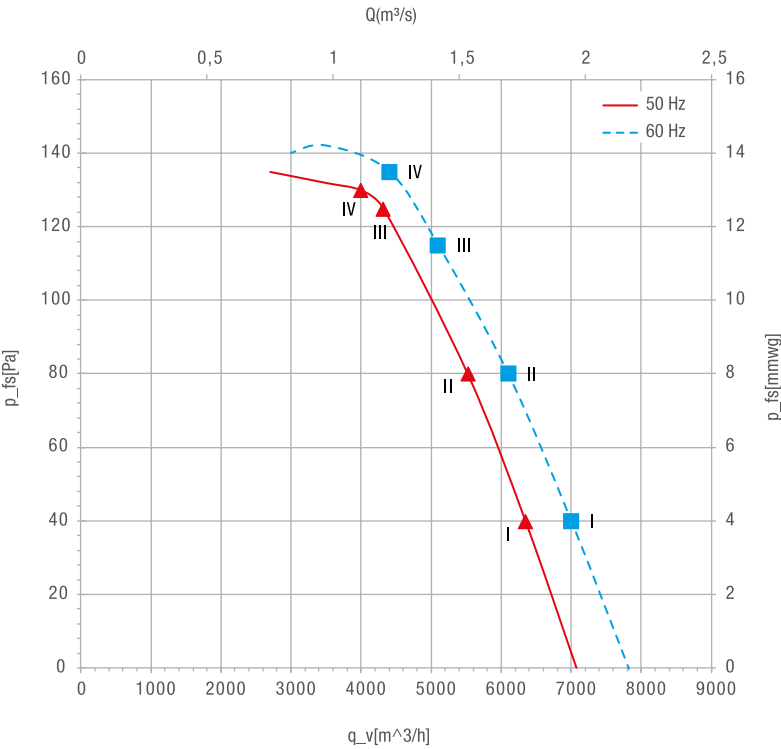


Description

Motor technology: AC
Rated voltage U_N : 230 V~50/60 Hz
Rated frequency f_N : 50/60 Hz
Input power P_{ed} : 500W/720W
Rated current I_A : 2.35/3.7 A
Rated speed n_N : 1350/1440 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
Service capacitor C_{400V} : 8 µF
Number of blades: 5
Motor protection class: IP55
Motor insulation class: F
Blades material: Aluminium sheet metal
Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

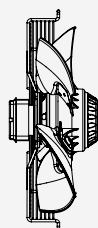


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure	qv cfm	P _{fs} in.Wg
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa		
SFG 4M 450-A 01	I	230	50	1390	435	2.12	7080	0	4165	0,00
	II	230	50	1368	454	2.18	6350	40	3735	0,16
	III	230	50	1380	454	2.30	5525	80	3250	0,32
	IV	230	50	1368	504	2.40	4320	125	2541	0,50
	I	230	60	1600	650	3.17	7820	0	4600	0,00
	II	230	60	1585	691	3.32	7000	40	4118	0,16
	III	230	60	1565	704	3.57	6100	80	3588	0,32
	IV	230	60	1550	739	3.52	5100	115	3000	0,46

Product Variant Information

Design D 01
Weight 10 KG



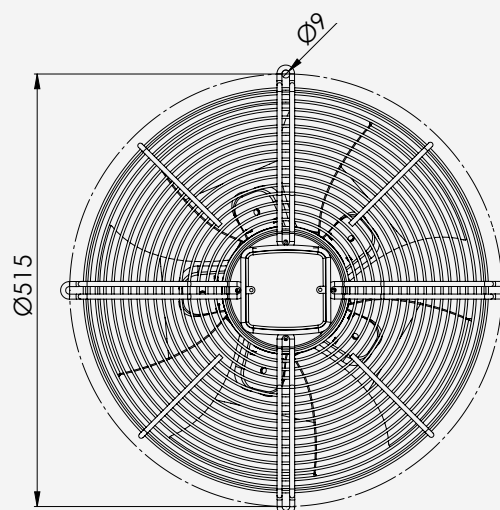
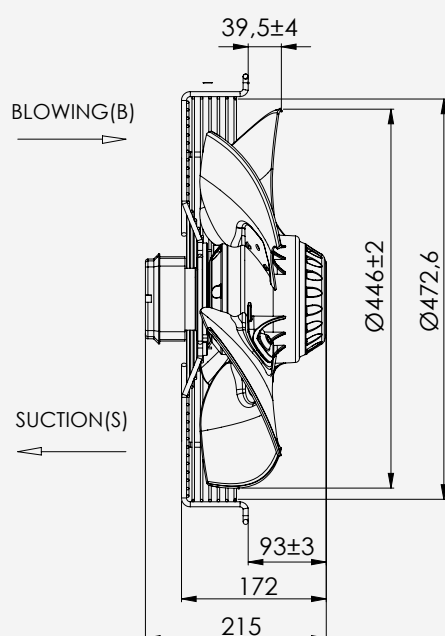
Air flow direction "S"

Air flow direction "B"

Type SFG 4M 450 S/B-D 01

Dimensions [mm]

Design D 01



Accessories

BSC



SF 4M 500

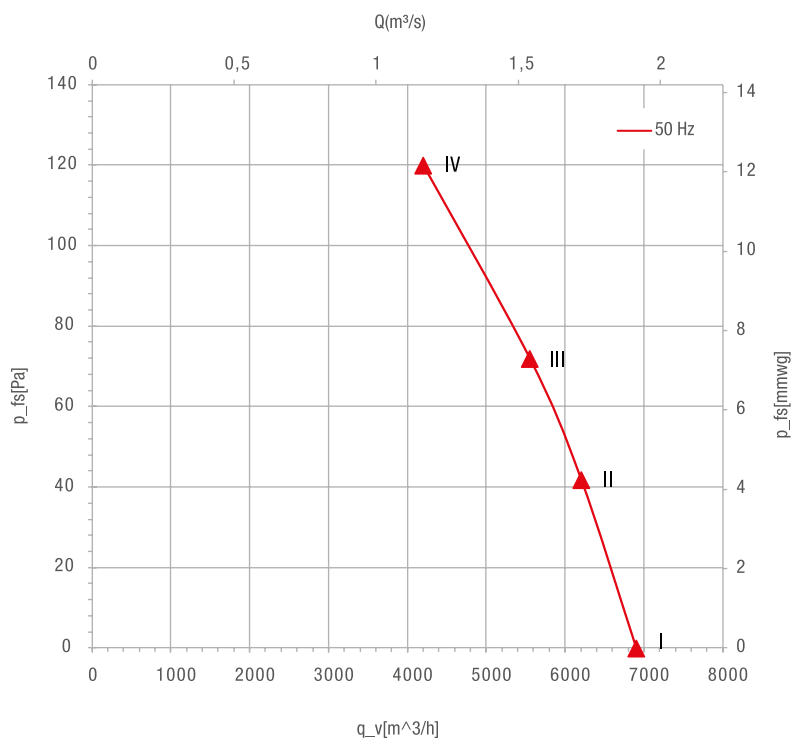


Description

Motor technology: AC
 Rated voltage U_N : **230 V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **420W**
 Rated current I_A : **2 A**
 Rated speed n_N : **1300 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +40°C
 Service capacitor C_{400V} : 8 μ F
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SF 4M 500- A 01	I	230	50	1368	416	1.98	71	71	6900	0	4059	0,00
	II	230	50	1340	465	2.18	71	72	6200	42	3647	0,17
	III	230	50	1340	478	2.28	69	70	5550	72	3265	0,29
	IV	230	50	1317	495	2.48	70	70	4200	120	2471	0,48

SFX 4M 500

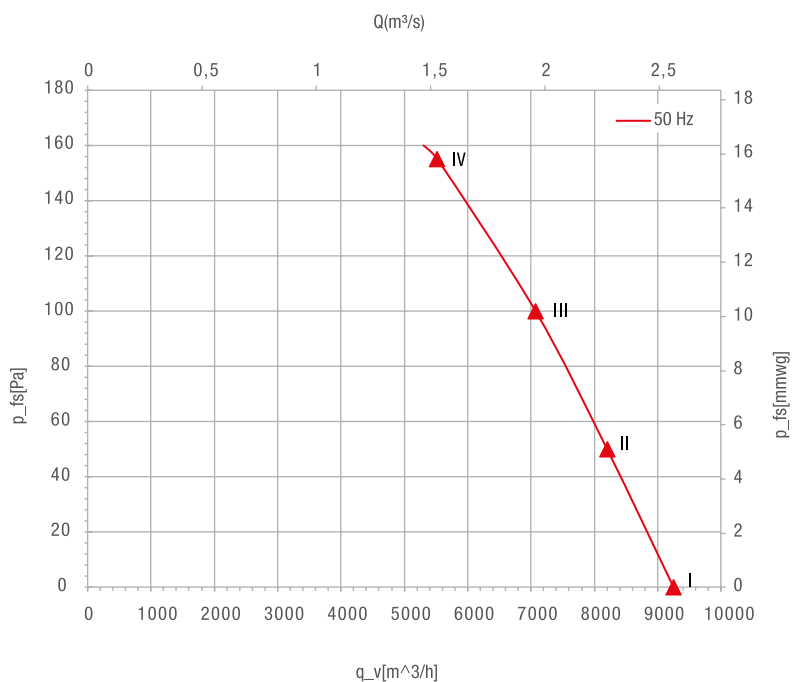


Description

Motor technology: AC
 Rated voltage U_N : **230 V~50/60 Hz**
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **750W**
 Rated current I_A : **3.28 A**
 Rated speed n_N : **1260 min⁻¹**
 Min. permitted ambient temperature t_{amb} : **-40°C**
 Max. permitted ambient temperature t_{amb} at n_{max} : **+60°C**
 Service capacitor C_{400V} : **16 μ F**
 Number of blades: **5**
 Motor protection class: **IP55**
 Motor insulation class: **F**
 Blades material: **Aluminium Sheet Metal**
 Approval: **CE**

Electrical connection provided by the terminal box.

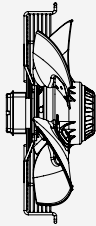
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFX 4M 500- A 01	I	230	50	1320	635	2,77	74	74	9.250	0	5441	0,00
	II	230	50	1308	698	3,05	72	72	8.200	50	4824	0,20
	III	230	50	1296	721	3,15	70	70	7.070	100	4159	0,40
	IV	230	50	1286	750	3,28	69	69	5.520	155	3247	0,63
	I	230	60	1080	502	0,79	72	72	8.150	0	4794	0,00
	II	230	60	1050	524	0,84	73	73	7.055	33	4150	0,13
	III	230	60	1020	539	0,89	72	72	6.010	65	3535	0,26
	IV	230	60	1000	550	0,95	74	74	4.285	95	2521	0,38

Product Variant Information

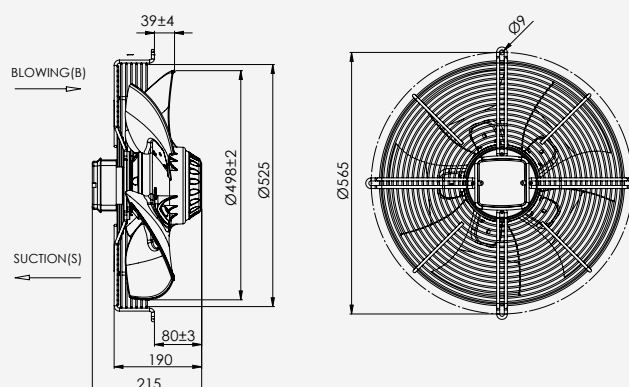
Design	D 01	F 01
Weight	10,5 KG	13,5 KG
		
Type	SFX 4M 500 S/B-D 01	SFX 4M 500 S/B-F 01

Air flow direction "S"

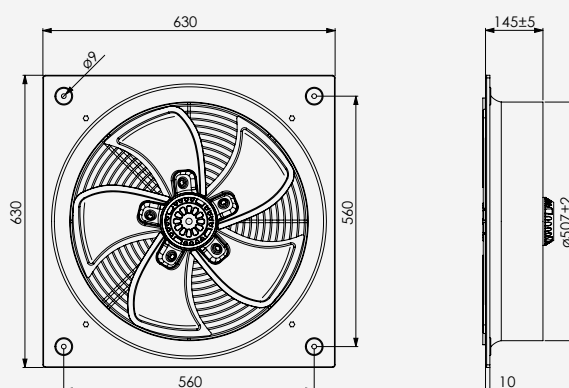
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC



SFX 6M 500

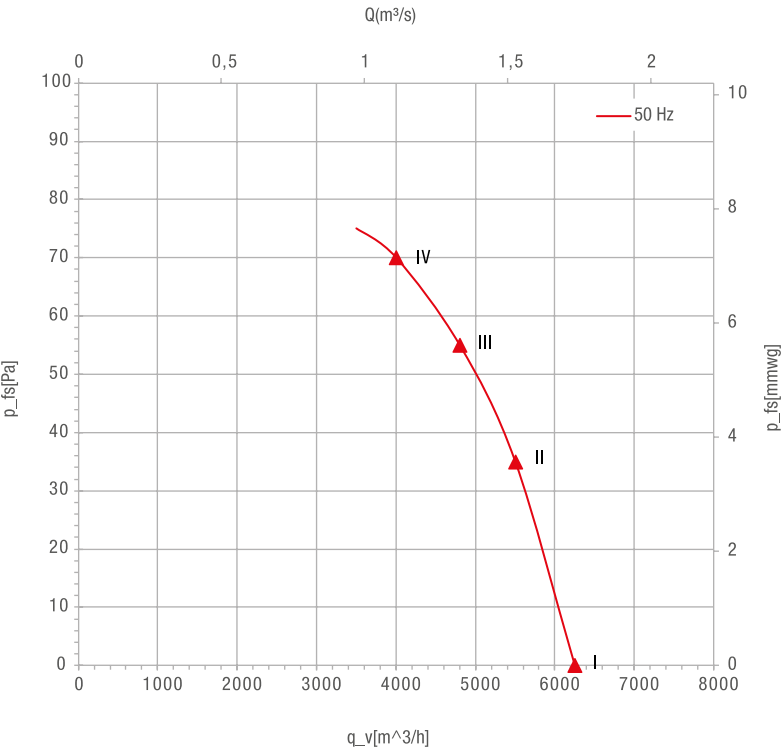


Description

Motor technology: AC
Rated voltage U_N : **230 V~50 Hz**
Rated frequency f_N : **50 Hz**
Input power P_{ed} : **245W**
Rated current I_A : **1.1 A**
Rated speed n_N : **850 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +65°C
Service capacitor C_{400V} : 6 μ F
Number of blades: 5
Motor protection class: IP55
Motor insulation class: F
Blades material: Aluminium Sheet Metal
Approval: CE

Electrical connection provided by the terminal box.

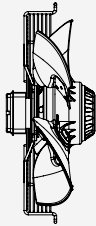
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	q_v cfm	P_fs in.Wg
SFX 6M 500- A 01	I	230	50	852	222	1.07	65	65	6.250	0	3676	0,00
	II	230	50	825	244	1.17	64	64	5.500	35	3235	0,14
	III	230	50	804	252	1.22	62	62	4.800	55	2824	0,22
	IV	230	50	792	262	1.33	64	64	4.000	70	2353	0,28

Product Variant Information

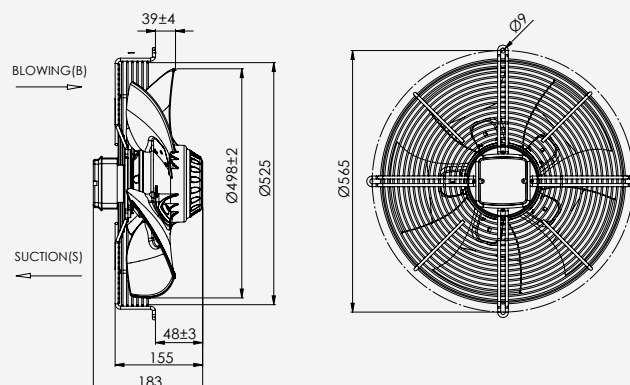
Design	D 01	F 01
Weight	10,5 Kg	13,,5 KG
		
Type	SFX 6M 500 S/B-D 01	SFX 6M 500 S/B-F 01

Air flow direction "S"

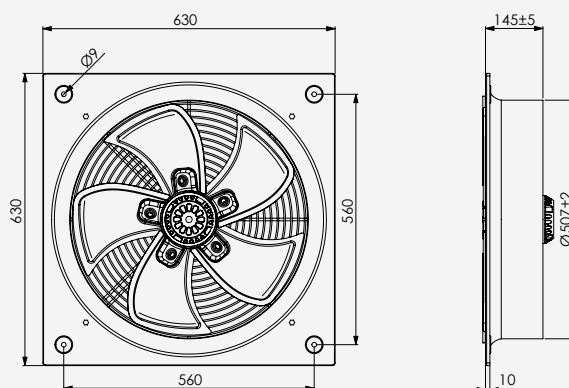
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC



SFX 4M 560

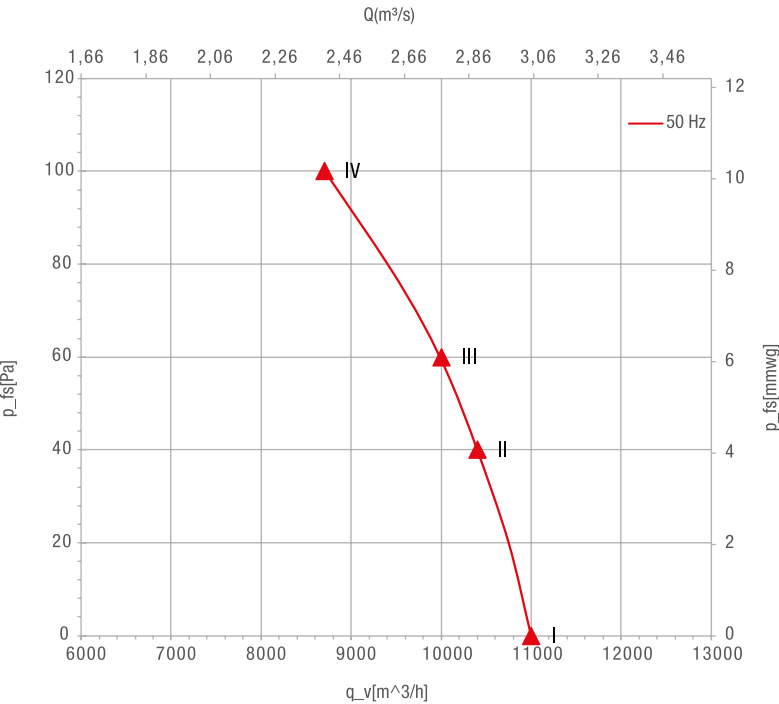


Description

Motor technology: AC
Rated voltage U_N : 230 V~50 Hz
Rated frequency f_N : 50 Hz
Input power P_{ed} : 1000 W
Rated current I_A : 4.8 A
Rated speed n_N : 1250 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
Service capacitor C_{400V} : 12.5 µF
Number of blades: 5
Motor protection class: IP55
Motor insulation class: F
Blades material: Aluminium Sheet Metal
Approval: CE

Electrical connection provided by the terminal box.

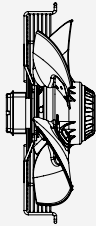
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]			m³/h	P_fs Pa	qv cfm	P_fs in.Wg
SFX 4M 560- A 01	I	230	50	1308	990	4,11	75	75	11.000	0	6471	0,00
	II	230	50	1284	1011	4,54	73	73	10.400	40	6118	0,16
	III	230	50	1296	955	4,61	72	72	10.000	60	5882	0,24
	IV	230	50	1082	1005	4,82	70	70	8.700	100	5118	0,40

Product Variant Information

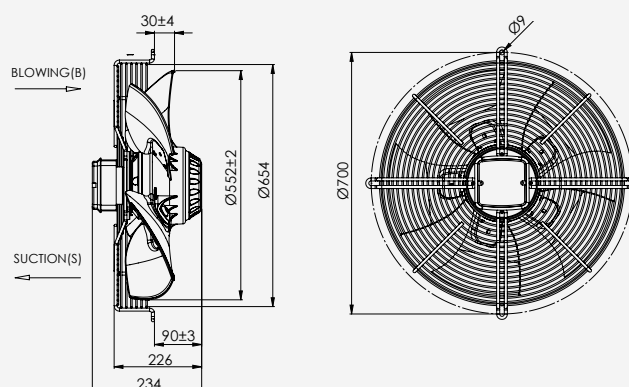
Design	D 01	F 01
Weight	15 KG	19 KG
		
Type	SFX 4M 560 S/B-D 01	SFX 4M 560 S/B-F 01

Air flow direction "S"

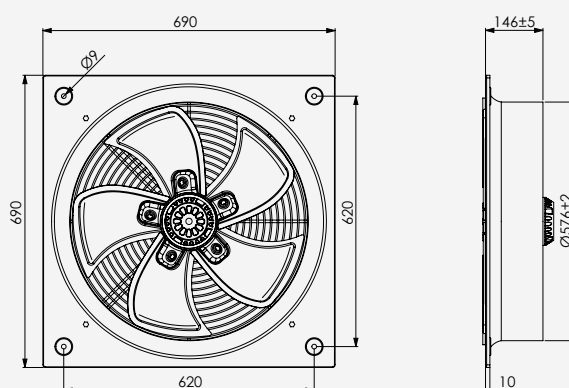
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC



SFX 6M 560

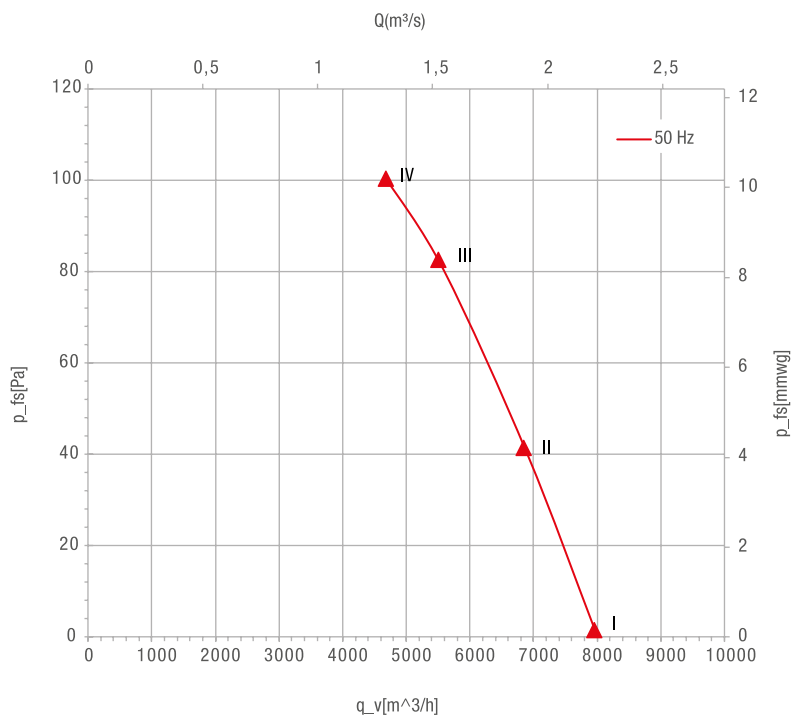


Description

Motor technology: AC
 Rated voltage U_N : 230 V~50/60 Hz
 Rated frequency f_N : 50/60 Hz
 Input power P_{ed} : 425W/585W
 Rated current I_A : 2.15/2.58 A
 Rated speed n_N : 900/1050 min⁻¹
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Service capacitor C_{400V} : 12.5 µF
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

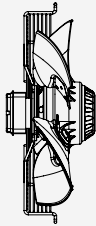
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFX 6M 560- A 01	I	230	50	900	421	1,94	66	66	8000	0	4706	0,00
	II	230	50	890	430	2,14	65	65	6900	40	4059	0,16
	III	230	50	880	406	2,18	64	64	5600	80	3294	0,32
	IV	230	50	860	427	2,28	65	65	4700	100	2765	0,40

Product Variant Information

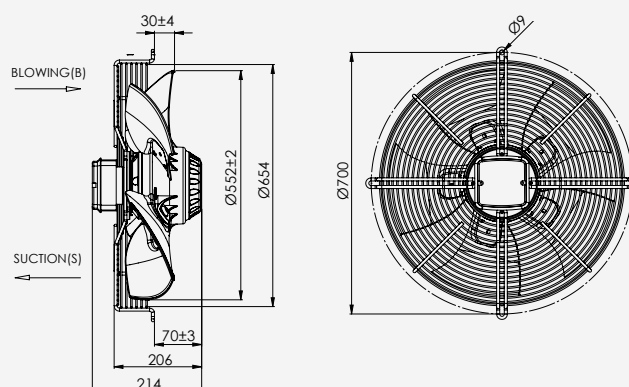
Design	D 01	F 01
Weight	15 KG	19 KG
		
Type	SFX 6M 560 S/B-D 01	SFX 6M 560 S/B-F 01

Air flow direction "S"

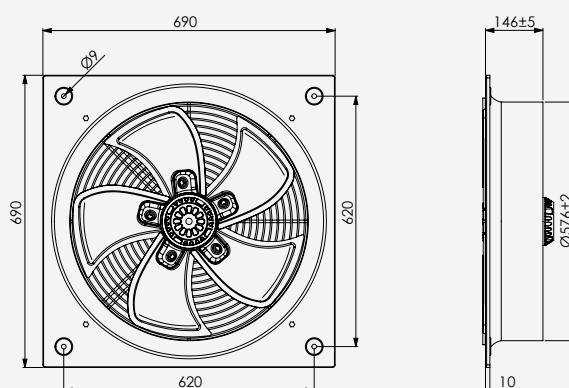
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC



SFX 6M 630

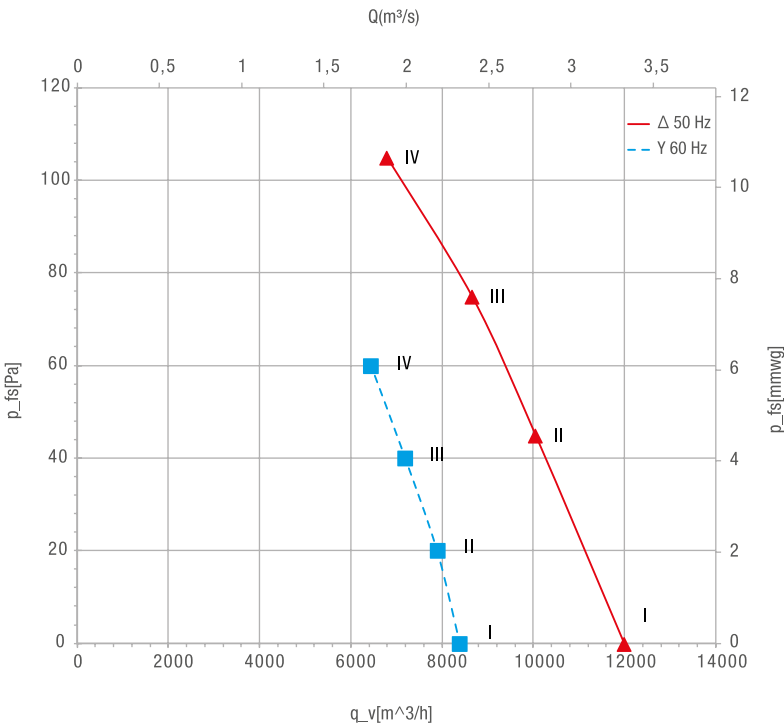


Description

Motor technology: AC
Rated voltage U_N : 230 V~50/60 Hz
Rated frequency f_N : 50/60 Hz
Input power P_{ed} : 630W/750W
Rated current I_A : 2.9 A
Rated speed n_N : 850 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +40°C
Service capacitor C_{400V} : 12.5 µF
Number of blades: 5
Motor protection class: IP55
Motor insulation class: F
Blades material: Sheet metal Aluminium
Approval: CE

Electrical connection provided by the terminal box.

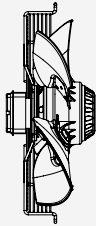
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFX 6M 630- A 01	I	230	50	900	421	1,94	66	66	8000	0	4706	0,00
	II	230	50	890	430	2,14	65	65	6900	40	4059	0,16
	III	230	50	880	406	2,18	64	64	5600	80	3294	0,32
	IV	230	50	860	427	2,28	65	65	4700	100	2765	0,40

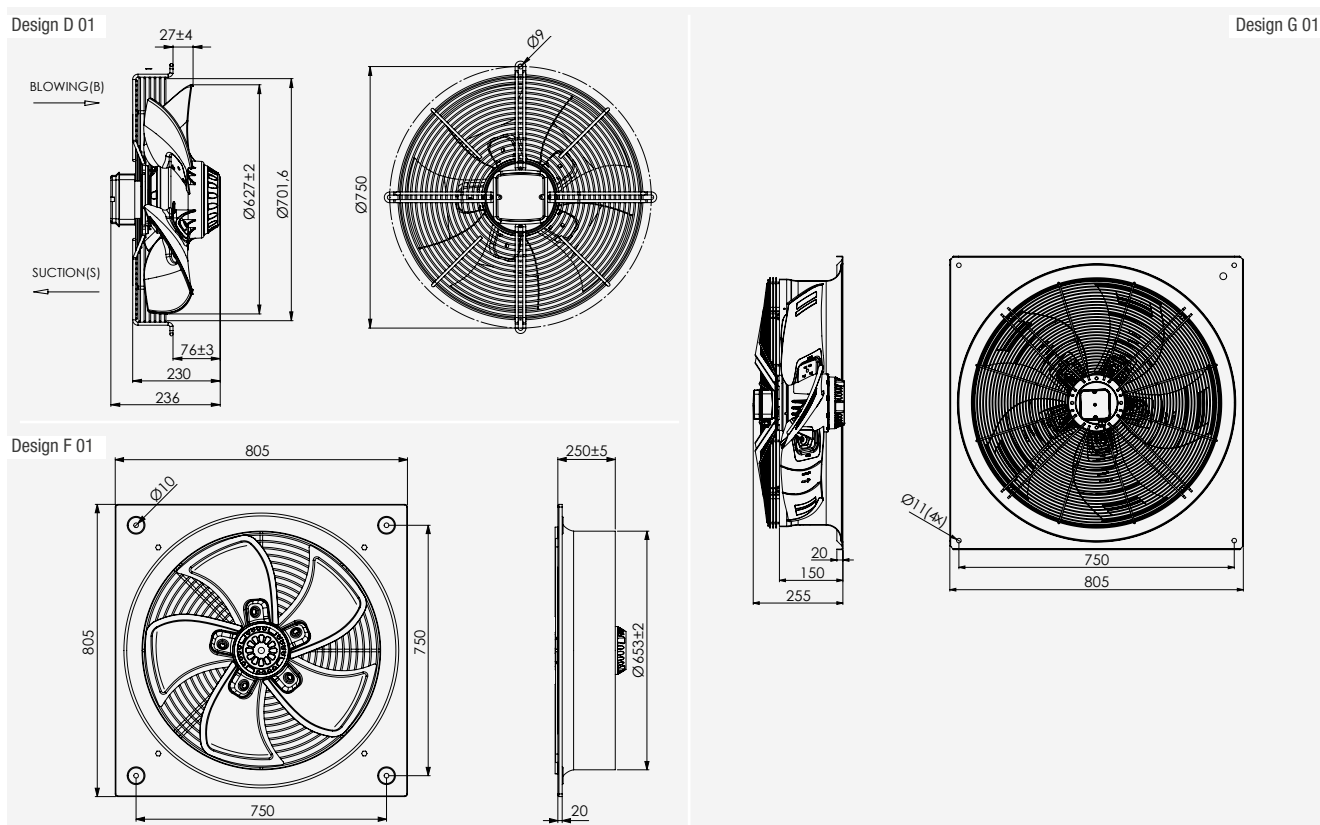
Product Variant Information

Design	D 01	F 01	G 01
Weight	18 KG	22 KG	24 KG
			
Type	SFX 6M 630 S/B-D 01	SFX 6M 630 S/B-F 01	SFX 6M 630 S/B-G 01

Air flow direction "S"

Air flow direction "B"

Dimensions [mm]



Accessories

BSC



SF 2T 250

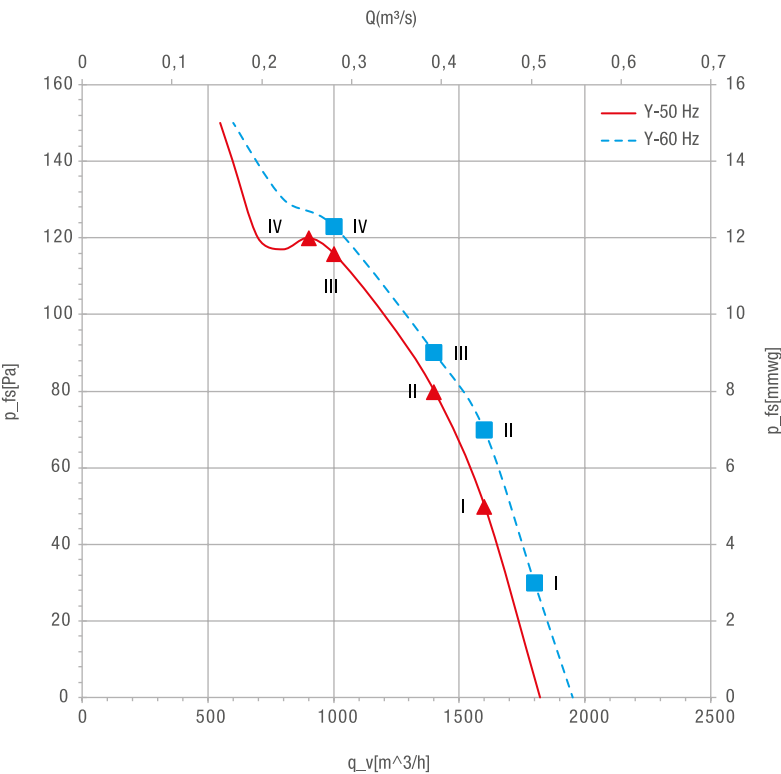


Description

Motor technology: AC
Rated voltage U_N : **400Y V~50-60 Hz**
Rated frequency f_N : **50/60 Hz**
Input power P_{ed} : **125/155 W**
Rated current I_A : **0.21/0.24 A**
Rated speed n_N : **2250 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Steel sheet metal
Approval: CE

Electrical connection provided by the terminal box.

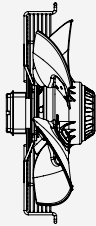
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa		
SF 2T 250-A 01	I	3~400 Y	50	2460	106	0.51	1835	0	1079	0,00
	II	3~400 Y	50	2430	120	0.52	1400	80	824	0,32
	III	3~400 Y	50	2390	130	0.55	1200	100	706	0,40
	IV	3~400 Y	50	2280	135	0.59	700	120	412	0,48

Product Variant Information

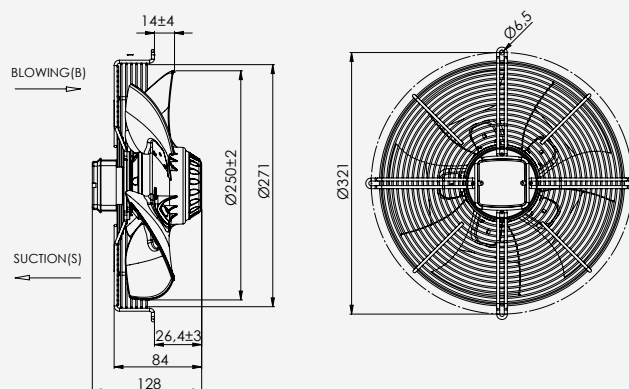
Design	D 01	F 01
Weight	3 KG	4 KG
		
Type	SF 2T 250 S/B-D 01	SF 2T 250 S/B-F 01

Air flow direction "S"

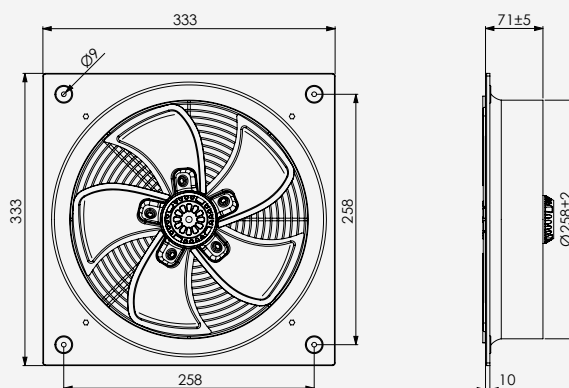
Air flow direction "B"

Dimensions [mm]

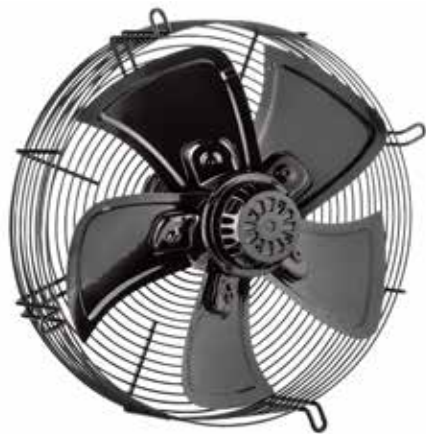
Design D 01



Design F 01



SFX 4T 300

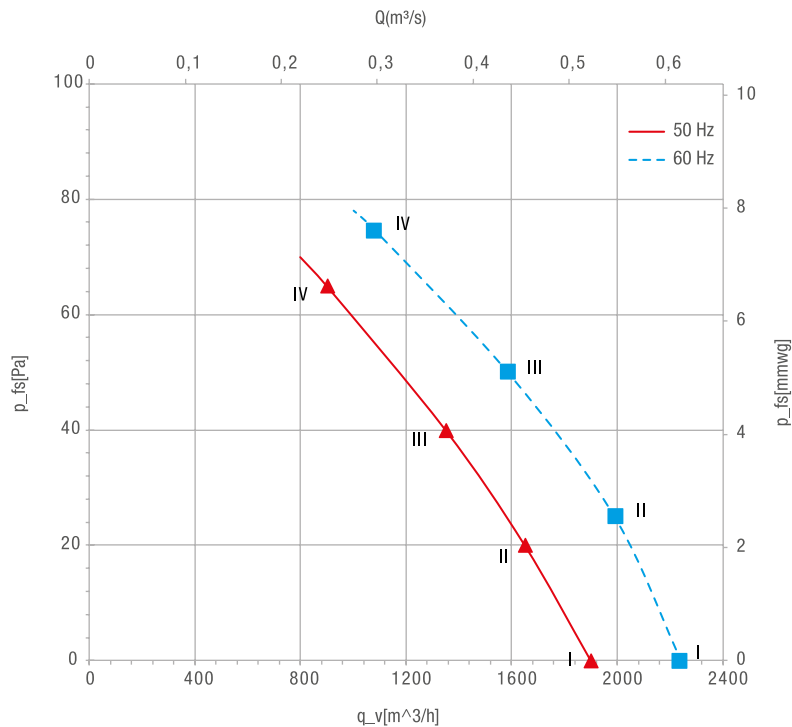


Description

Motor technology: AC
Rated voltage U_N : **380Y V~50-60 Hz**
Rated frequency f_N : **50/60 Hz**
Input power P_{ed} : **108 W**
Rated current I_A : **0.52 A**
Rated speed n_N : **1710 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Steel sheet metal
Approval: CE

*Electrical connection provided by the terminal box.

Characteristic Curve

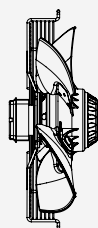


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa		
SFX 4T 300-A 01	I	400Y	50	1450	76	0.28	1900	0	1118	0,00
	II	400Y	50	1449	79	0.29	1650	20	971	0,08
	III	400Y	50	1442	86	0.29	1350	40	794	0,16
	IV	400Y	50	1436	90	0.29	900	65	529	0,26
	I	400Y	60	1745	97	0.29	2240	0	1318	0,00
	II	400Y	60	1737	102	0.29	1987	25	1169	0,10
	III	400Y	60	1721	106	0.30	1583	50	931	0,20
	IV	400Y	60	1709	108	0.32	1072	75	631	0,30

Product Variant Information

Design D 01
 Weight 4 KG



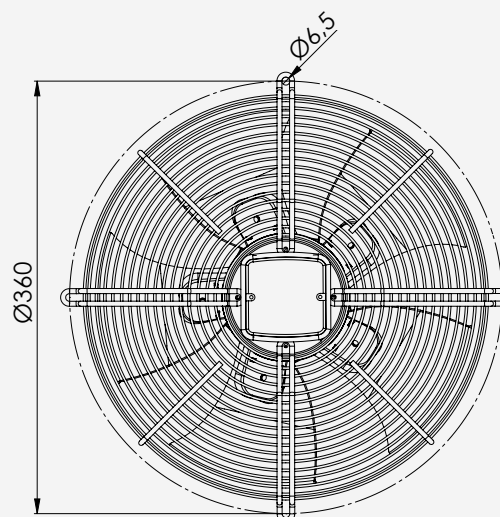
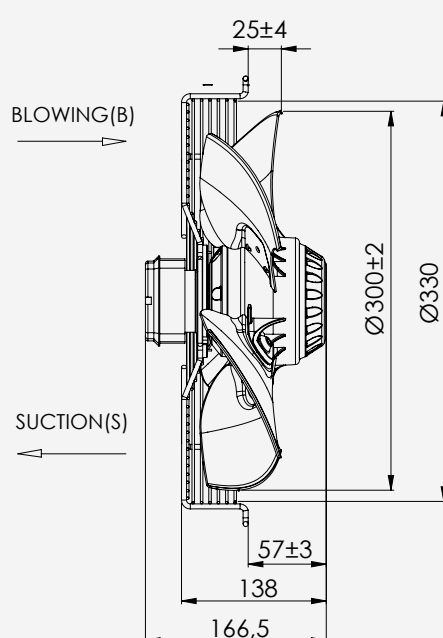
Air flow direction "S"

Air flow direction "B"

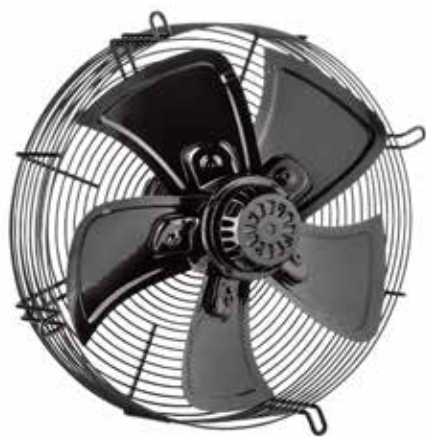
Type **SFX 4T 300 S/B-D 01**

Dimensions [mm]

Design D 01



SFX 4T 350

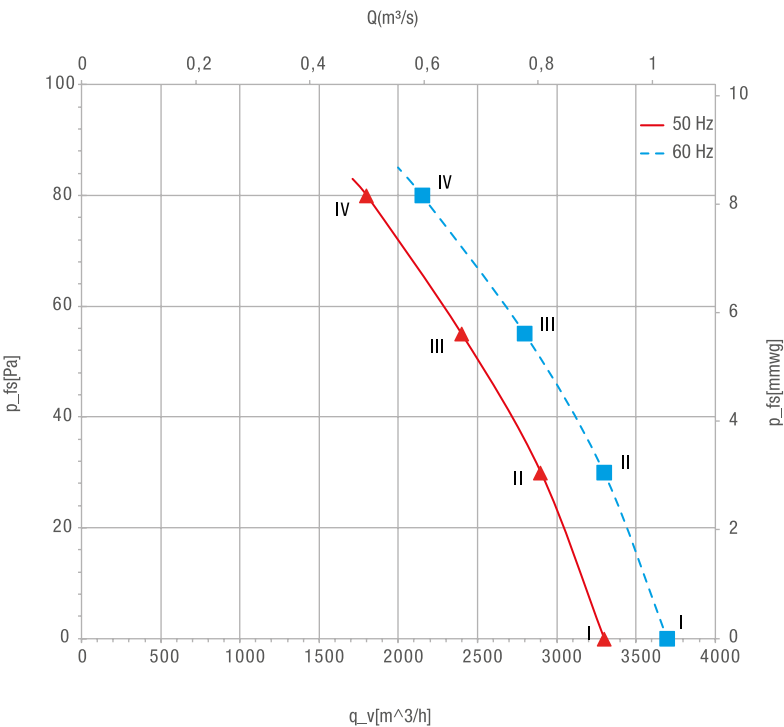


Description

Motor technology: AC
Rated voltage U_N : **380Y V~50-60 Hz**
Rated frequency f_N : **50/60 Hz**
Input power P_{ed} : **170 W**
Rated current I_A : **0.58 A**
Rated speed n_N : **1545 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Steel sheet metal
Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

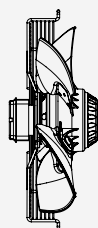


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure	qv cfm	P _{fs} in.Wg
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa		
SFX 4T 350-A 01	I	400Y	50	1372	139	0.31	3300	0	1941	0,00
	II	400Y	50	1361	151	0.32	2750	30	1618	0,12
	III	400Y	50	1346	157	0.33	2200	60	1294	0,24
	IV	400Y	50	1316	174	0.35	1700	90	1000	0,36
	I	460Y	60	1600	150	0.34	3848	0	2264	0,00
	II	460Y	60	1705	160	0.35	3445	40	2026	0,16
	III	460Y	60	1571	172	0.36	2567	75	1510	0,30
	IV	460Y	60	1560	190	0.37	2550	100	1500	0,40

Product Variant Information

Design D 01
 Weight 4,7 KG



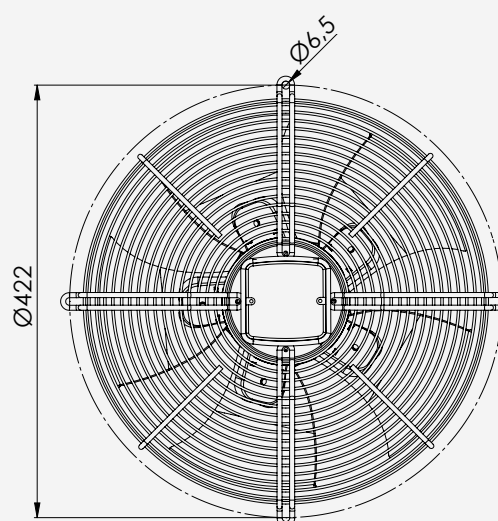
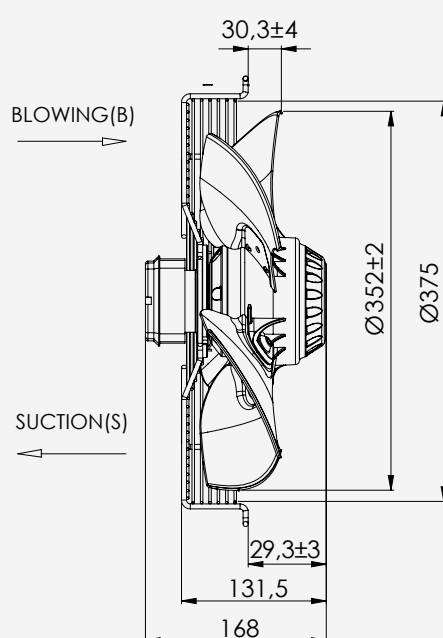
Air flow direction "S"

Air flow direction "B"

Type **SFX 4T 350 S/B-D 01**

Dimensions [mm]

Design D 01



SFG 4T 350

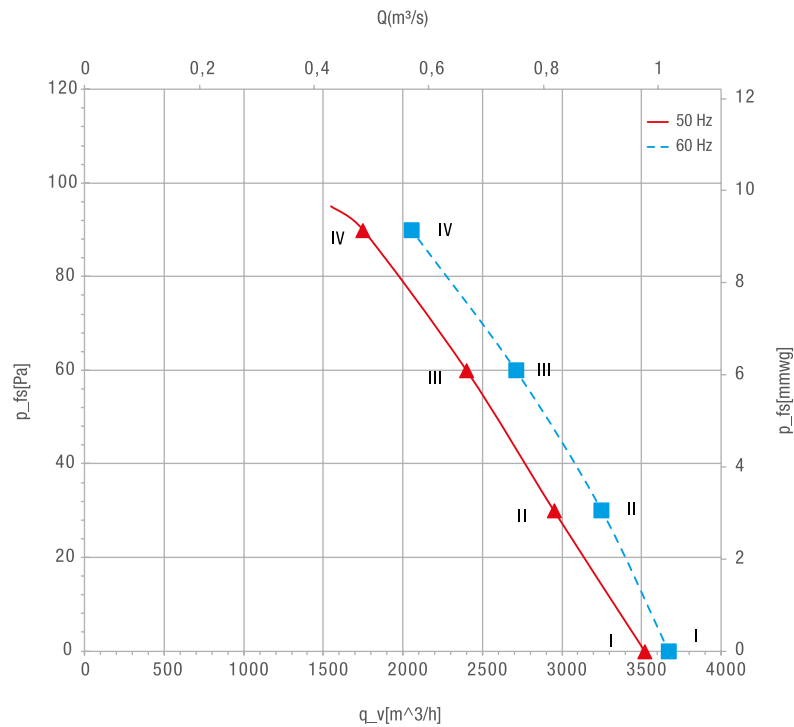


Description

Motor technology: AC
Rated voltage U_N : **400Y V~50-60 Hz**
Rated frequency f_N : **50/60 Hz**
Input power P_{ed} : **170 W**
Rated current I_A : **0.58 A**
Rated speed n_N : **1545 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +55°C
Number of blades: 5
Motor prodction class: IP54
Motor insulation class: F
Blades metarial: High Performance composite material
Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

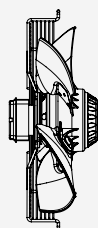


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	m³/h	P_fs Pa		
SFG 4T 350-A 01	I	400Y	50	1390	140	0,45	3520	0	2071	0,00
	II	400Y	50	1380	150	0,46	2950	30	1735	0,12
	III	400Y	50	1360	160	0,47	2400	60	1412	0,24
	IV	400Y	50	1340	170	0,48	1750	90	1029	0,36
	I	460Y	60	1550	110	0,34	3.670	0	2159	0,00
	II	460Y	60	1500	115	0,35	3.250	30	1912	0,12
	III	460Y	60	1480	125	0,36	2.710	60	1594	0,24
	IV	460Y	60	1450	130	0,37	2.055	90	1209	0,36

Product Variant Information

Design D 01
 Weight 4,5 KG



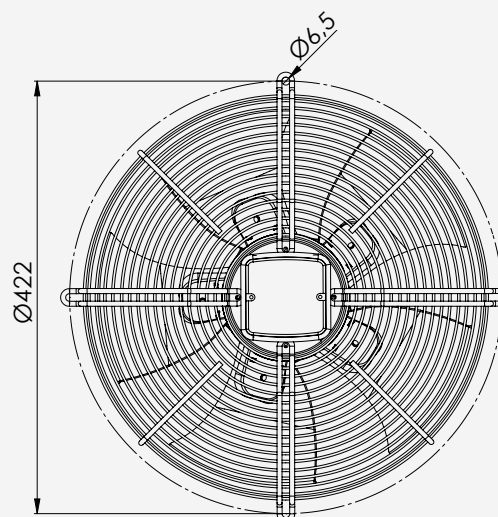
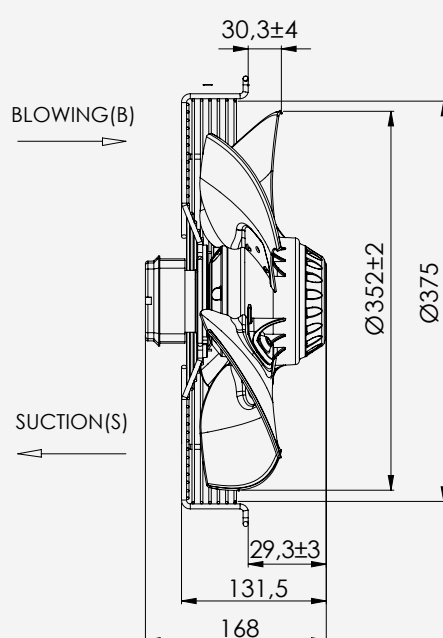
Air flow direction "S"

Air flow direction "B"

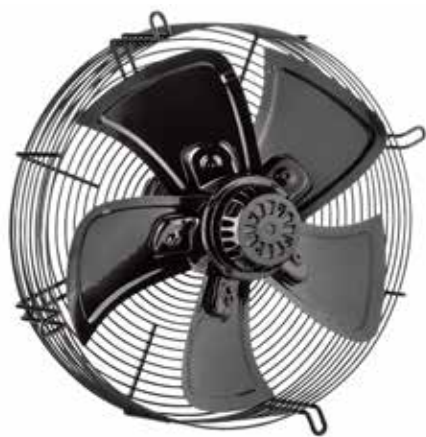
Type **SFG 4T 350 S/B-D 01**

Dimensions [mm]

Design D 01



SF 4T 400

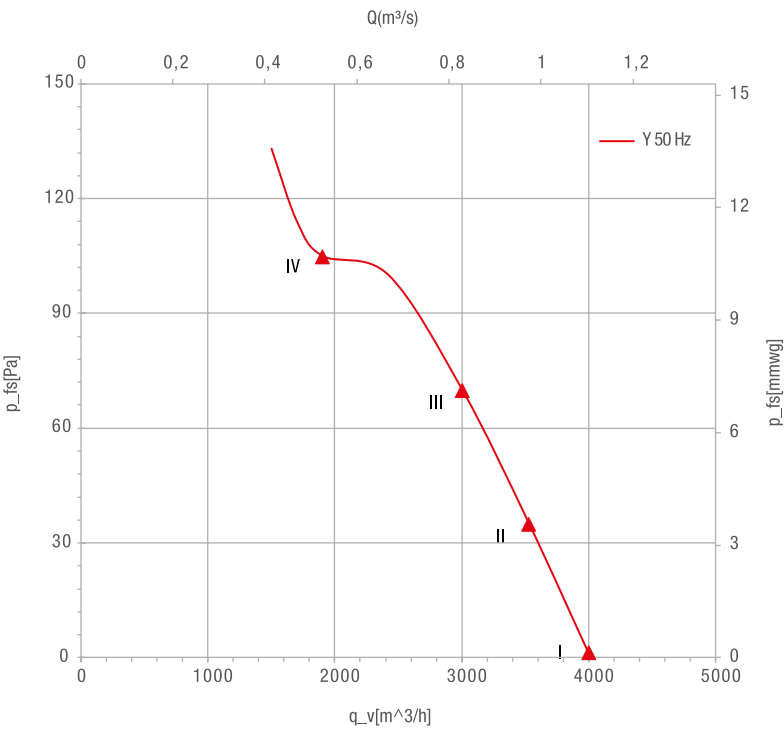


Description

Motor technology: AC
Rated voltage U_N : **400Y V~50-60 Hz**
Rated frequency f_N : **50/60 Hz**
Input power P_{ed} : **190 W**
Rated current I_A : **0.8 A**
Rated speed n_N : **1650 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +40°C
Number of blades: 5
Motor prodction class: IP54
Motor insulation class: F
Blades metarial: Aluminium sheet metal
Approval: CE

Electrical connection provided by the terminal box.

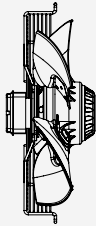
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	m³/h	P_fs Pa		
SF 4T 400-A 01	I	400Y	50	1375	143	0.82	4.011	0	2359	0,00
	II	400Y	50	1365	167	0.83	3.527	35	2075	0,14
	III	400Y	50	1355	188	0.85	3.001	70	1765	0,28
	IV	400Y	50	1350	206	0.86	2.420	100	1424	0,40

Product Variant Information

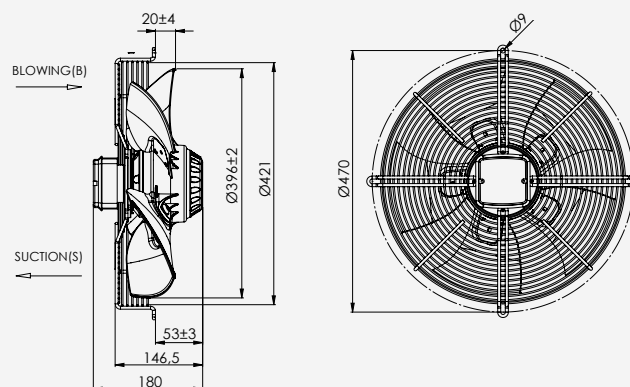
Design	D 01	F 01
Weight	6,1 KG	8 KG
		
Type	SF 4T 400 S/B-D 01	SF 4T 400 S/B-F 01

Air flow direction "S"

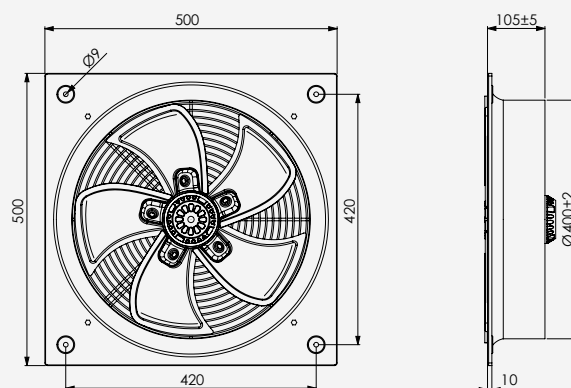
Air flow direction "B"

Dimensions [mm]

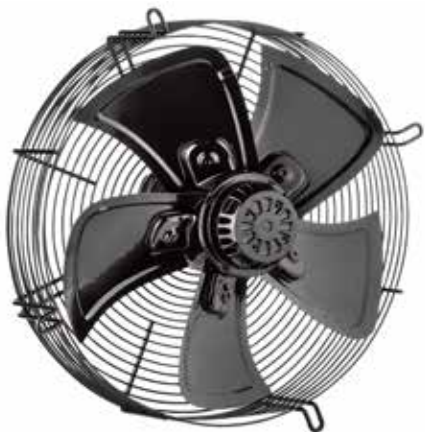
Design D 01



Design F 01



SFX 4T 400

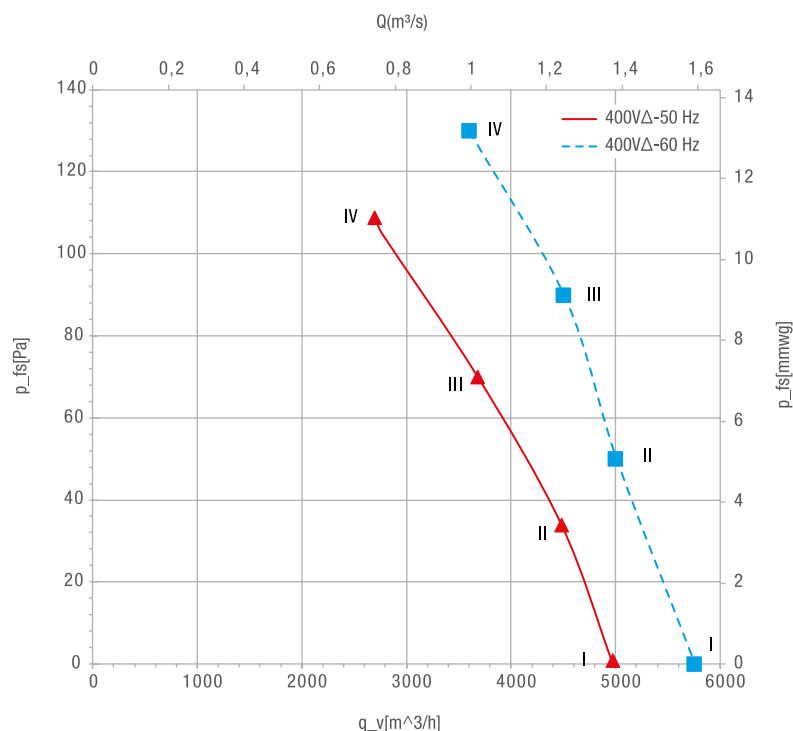


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50-60 Hz**
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **295/205 I 420/230 W**
 Rated current I_A : **0,81/0,38 I 0,78/0,38 A**
 Rated speed n_N : **1360/1175 I 1560/1180 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +65°C
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium sheet metal
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

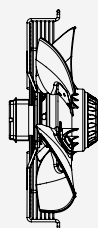


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa	qv cfm	P _{fs} in.Wg
SFX 4T 400-A 06	I	400 Δ	50	1375	245	0.75	4.975	0	2926	0,00
	II	400 Δ	50	1370	265	0.77	4.483	34	2637	0,14
	III	400 Δ	50	1365	275	0.80	3.685	70	2168	0,28
	IV	400 Δ	50	1360	295	0.81	2.770	105	1629	0,42
	I	400 Y	50	1200	185	0.33	3.958	0	2328	0,00
	II	400 Y	50	1195	190	0.34	3.777	20	2222	0,08
	III	400 Y	50	1190	195	0.37	3.400	40	2000	0,16
	IV	400 Y	50	1175	205	0.38	3.000	60	1765	0,24
SFX 4T 400-A 06	I	480 Δ	60	1650	395	0.86	5.750	0	3382	0,00
	II	480 Δ	60	1645	425	0.89	5.000	50	2941	0,20
	III	480 Δ	60	1640	445	0.90	4.500	90	2647	0,36
	IV	480 Δ	60	1620	460	0.91	3.600	130	2118	0,52
	I	400 Y	60	1250	220	0.35	4.200	0	2471	0,00
	II	400 Y	60	1240	225	0.36	3.800	20	2235	0,08
	III	400 Y	60	1200	227	0.37	3.600	35	2118	0,14
	IV	400 Y	60	1180	230	0.38	3.300	45	1941	0,18

Product Variant Information

Design D 06
 Weight 9 KG



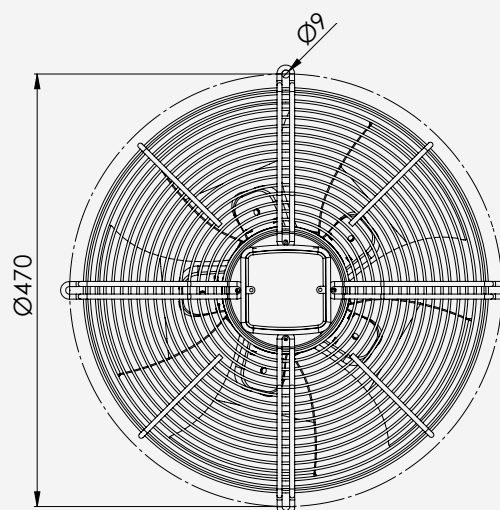
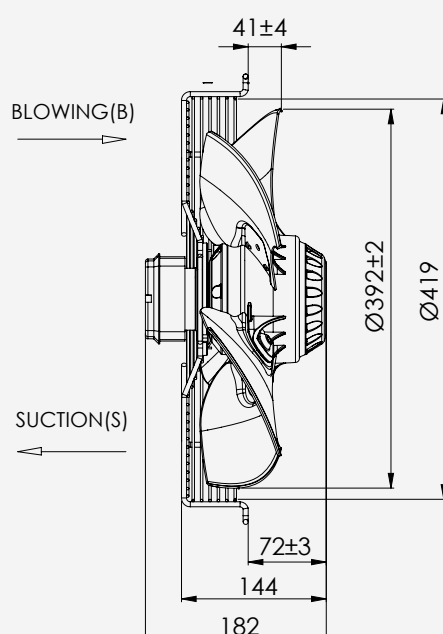
Air flow direction "S"

Air flow direction "B"

Type **SFX 4T 400 S/B-D 06**

Dimensions [mm]

Design D 06



Accessories

BSC-F



SF 4T 450

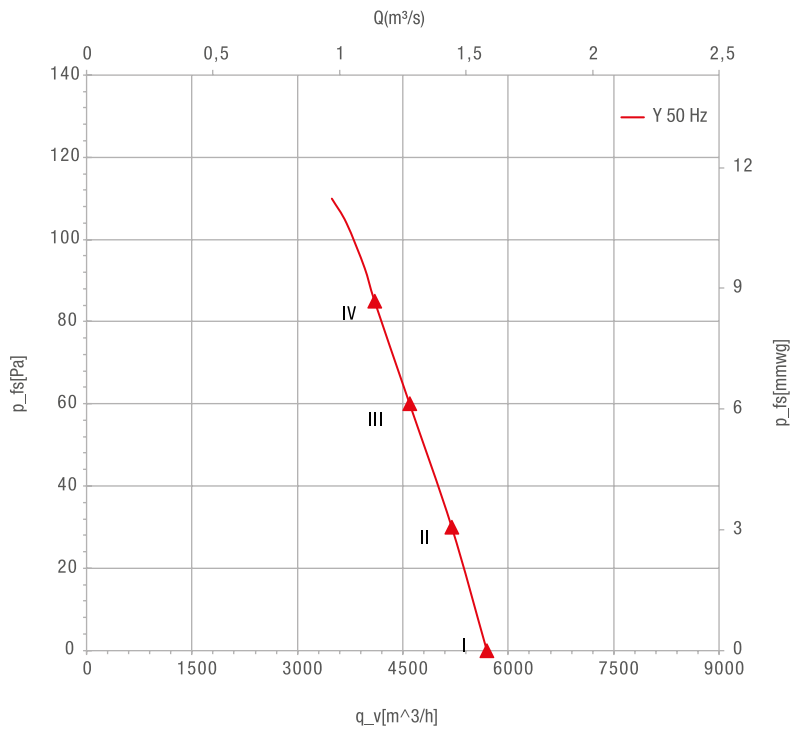


Description

Motor technology: AC
Rated voltage U_N : **380Y V~50-60 Hz**
Rated frequency f_N : **50/60 Hz**
Input power P_{ed} : **285 W**
Rated current I_A : **0,55 A**
Rated speed n_N : **1600 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Aluminium sheet metal
Approval: CE

Electrical connection provided by the terminal box.

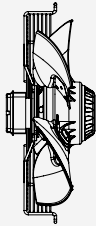
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P _e W	I [A]	m³/h	P _{fs} Pa		
SF 4T 450-A 01	I	380 Y	50	1400	180	0,55	5700	0	3353	0,00
	II	380 Y	50	1370	185	0,57	5200	30	3059	0,12
	III	380 Y	50	1355	190	0,61	4600	60	2706	0,24
	IV	380 Y	50	1350	200	0,63	4100	85	2412	0,34

Product Variant Information

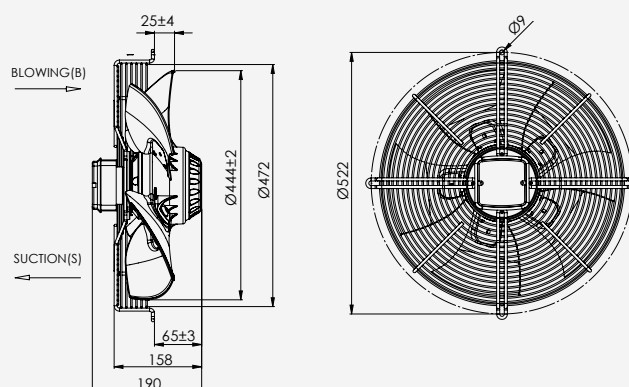
Design	D 01	F 01
Weight	6,9 KG	8 KG
		
Type	SF 4T 450 S/B-D 01	SF 4T 450 S/B-F 01

Air flow direction "S"

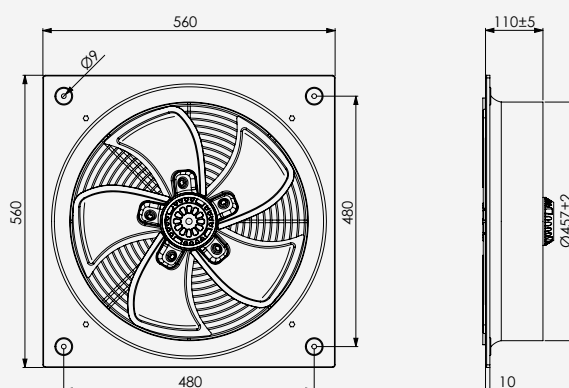
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



SFG 4T 450

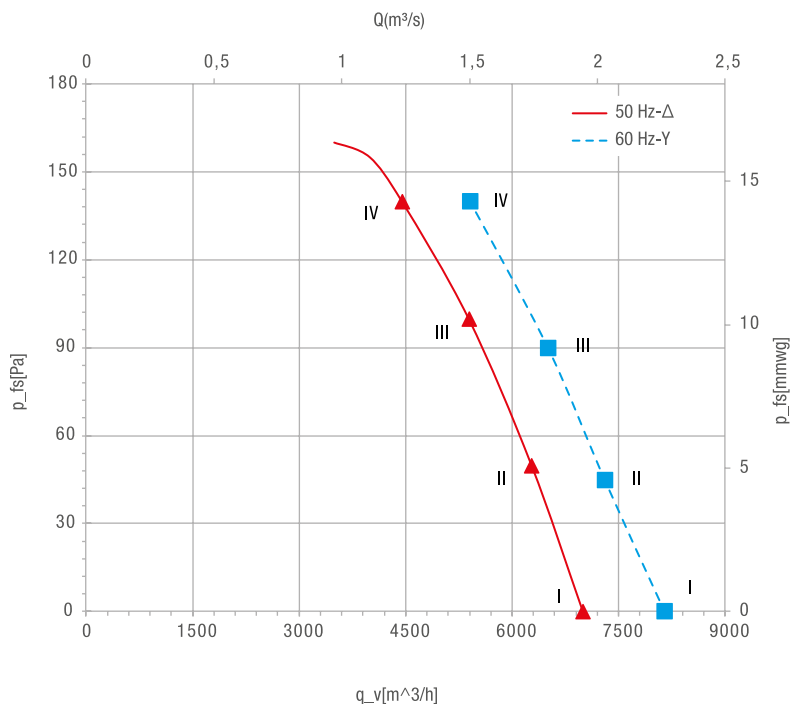


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V** ~50-60 Hz
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **430/345 I 650/390 W**
 Rated current I_A : **0,85/0,5 I 1,1/0,7 A**
 Rated speed n_N : **1350/1100 I 1500/1100 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium sheet metal
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

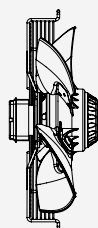


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	m^3/h	P_{fs} Pa	qv cfm	P_{fs} in.Wg
SFG 4T 450-A 01	I	400 Δ	50	1405	407	1,14	7000	0	4118	0,00
	II	400 Δ	50	1400	440	1,15	6275	50	3691	0,20
	III	400 Δ	50	1385	454	1,16	5390	100	3171	0,40
	IV	400 Δ	50	1375	490	1,17	4450	140	2618	0,56
	I	400 Y	50	1248	325	0,57	6100	0	3588	0,00
	II	400 Y	50	1236	340	0,60	5300	35	3118	0,14
	III	400 Y	50	1220	345	0,62	4450	70	2618	0,28
	IV	400 Y	50	1200	350	0,63	3700	90	2176	0,36
	I	400 Δ	60	1623	585	1,11	8.145	0	4791	0,00
	II	400 Δ	60	1610	630	1,15	7.300	45	4294	0,18
	III	400 Δ	60	1607	660	1,18	6.500	90	3824	0,36
	IV	400 Δ	60	1600	695	1,25	5.400	140	3176	0,56

Product Variant Information

Design D 01
 Weight 10 KG



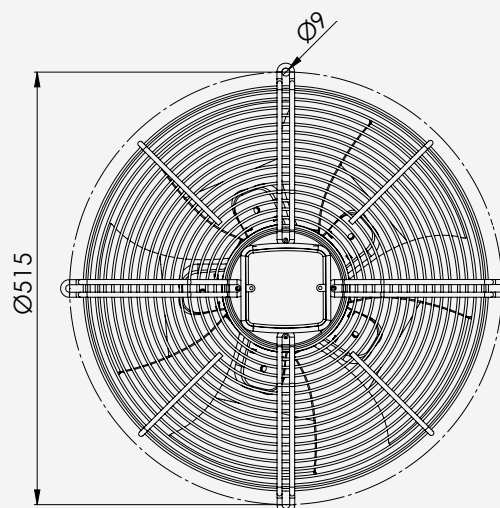
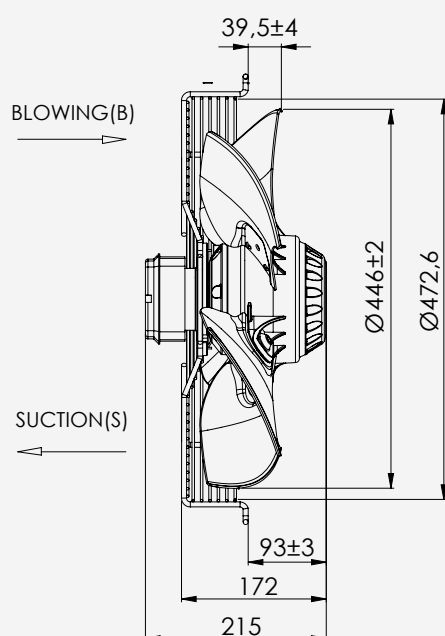
Air flow direction "S"

Air flow direction "B"

Type **SFG 4T 450 S/B-D 01**

Dimensions [mm]

Design D 01



Accessories

BSC-F



SF 4T 500

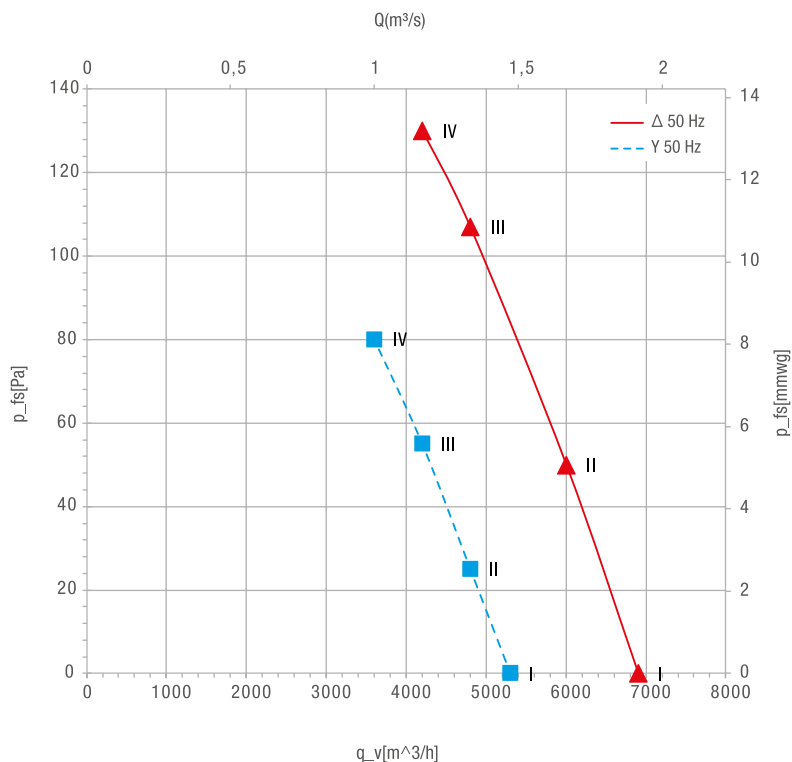


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50-60 Hz**
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **425 W**
 Rated current I_A : **0,75 A**
 Rated speed n_N : **1300 min⁻¹**
 Min. permitted ambient temperature t_{amb} : **-40°C**
 Max. permitted ambient temperature t_{amb} at n_{max} : **+80°C**
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

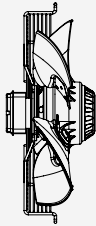
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	q_v cfm	P_{fs} in.Wg
SF 4T 500-A 01	I	400 Δ	50	1358	326	0,76	73	70	6.900	0	4059	0,00
	II	400 Δ	50	1332	389	0,81	74	71	6.000	50	3529	0,20
	III	400 Δ	50	1306	417	0,87	75	72	4.800	107	2824	0,43
	IV	400 Δ	50	1295	438	0,89	77	74	4.200	130	2471	0,52
	I	400 Y	60	1134	226	0,41	69	66	5.300	0	3118	0,00
	II	400 Y	60	1085	248	0,45	70	67	4.800	25	2824	0,10
	III	400 Y	60	1010	270	0,49	69	66	4.200	55	2471	0,22
	IV	400 Y	60	945	282	0,52	71	68	3.600	80	2118	0,32

Product Variant Information

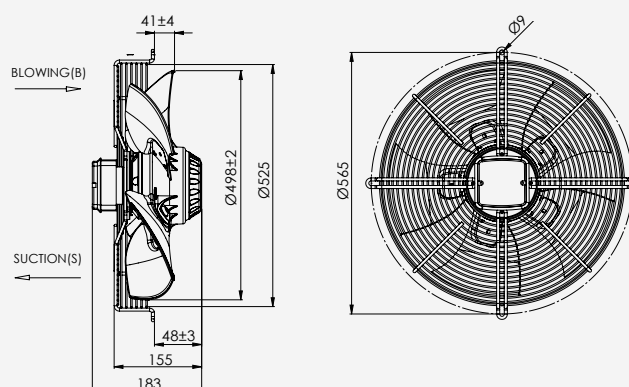
Design	D 01	F 01
Weight	9,5 KG	13,5 KG
		
Type	SF 4T 500 S/B-D 01	SF 4T 500 S/B-F 01

Air flow direction "S"

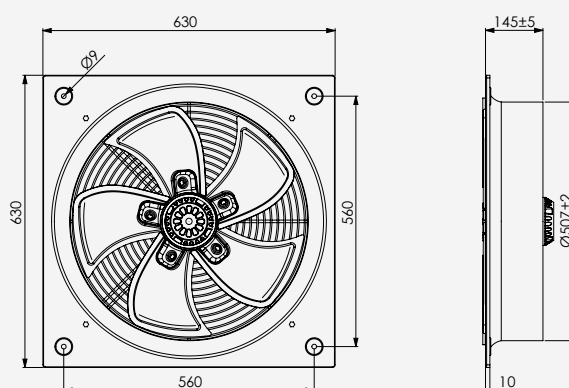
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC-F



SFX 4T 500

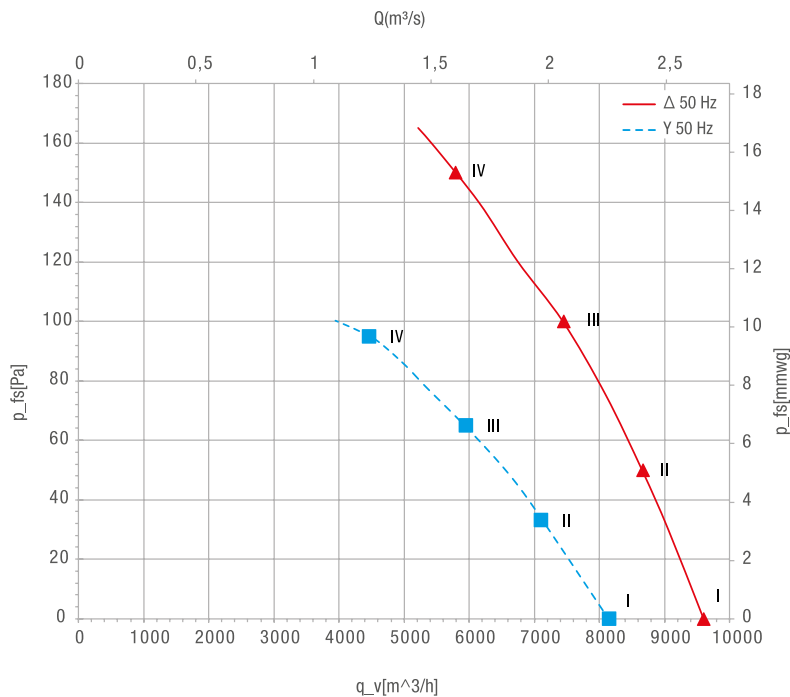


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50-60 Hz**
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **800 I 500 W**
 Rated current I_A : **1.6 I 0.95 A**
 Rated speed n_N : **1260 I 1000 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +80°C
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

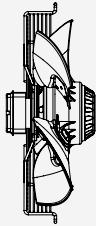
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in	Lw(A)_out	Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	dB(A)	dB(A)	m³/h	P_fs Pa	qv cfm	P_fs in.Wg
SFX 4T 500-A 01	I	400 Δ	50	1328	824	1.50	74	74	9.800	0	5765	0,00
	II	400 Δ	50	1318	831	1.52	72	72	9.100	50	5353	0,20
	III	400 Δ	50	1032	838	1.56	70	70	8.100	100	4765	0,39
	IV	400 Δ	50	1289	857	1.60	69	69	6.700	155	3941	0,61
	I	400 Y	50	1012	460	0.83	68	69	5.750	0	3382	0,00
	II	400 Y	50	983	489	0.86	68	68	5.030	35	2959	0,14
	III	400 Y	50	959	489	0.87	66	67	4.200	70	2471	0,28
	IV	400 Y	50	942	509	0.91	66	67	3.400	90	2000	0,35
	I	480 Δ	60	1600	1060	1.70	77	78	10700	0	6294	0,00
	II	480 Δ	60	1536	1140	1.80	77	77	9830	50	5782	0,20
	III	480 Δ	60	1525	1210	1.90	73	74	8890	100	5229	0,39
	IV	480 Δ	60	1524	1240	1.89	73	73	7800	150	4588	0,59
	I	480 Y	60	1140	552	0.99	68	69	8350	0	4912	0,00
	II	480 Y	60	1080	586	1.05	68	68	7480	50	4400	0,20
	III	480 Y	60	1080	586	1.05	67	67	6580	100	3871	0,39
	IV	480 Y	60	888	610	1.18	66	67	5520	130	3247	0,51

Product Variant Information

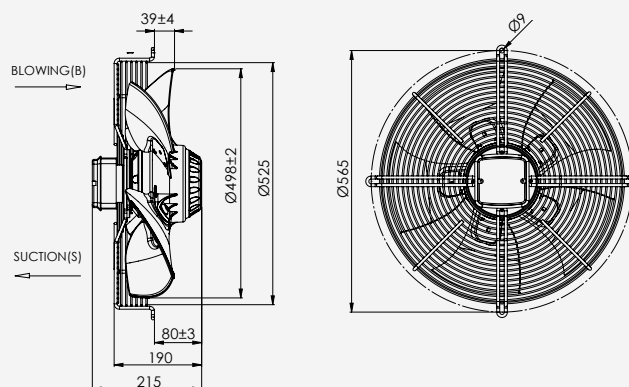
Design	D 01	F 01
Weight	10,5 KG	14,5 KG
		
Type	SFX 4T 500 S/B-D 01	SFX 4T 500 S/B-F 01

Air flow direction "S"

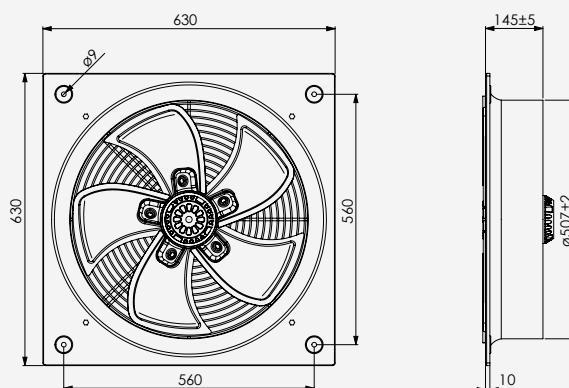
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC-F



SFX 6T 500

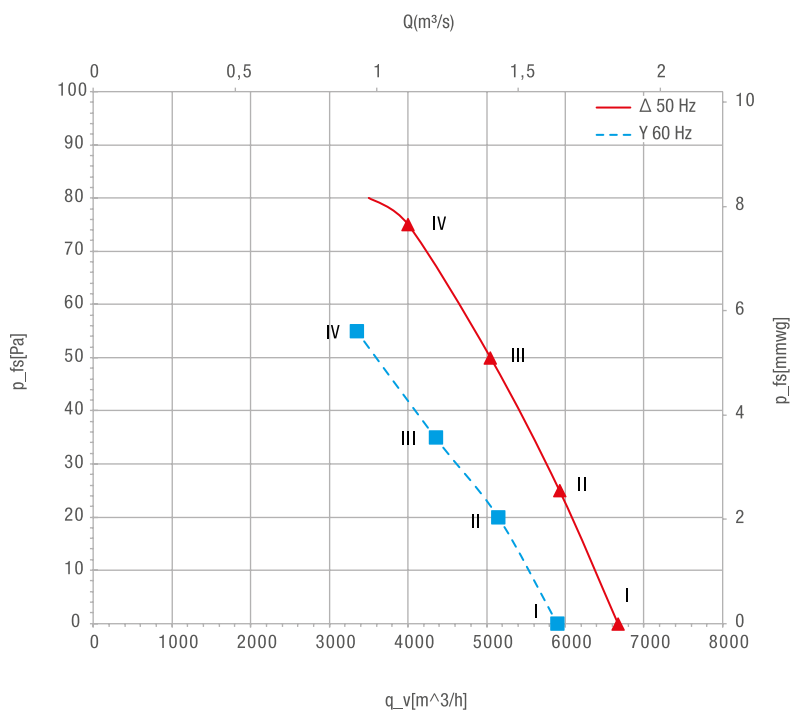


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50-60 Hz**
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **270 I 145 W**
 Rated current I_A : **0.65 I 0.3 A**
 Rated speed n_N : **875 I 600 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +70°C
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

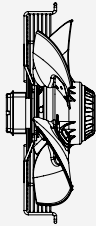
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	qv cfm	P_{fs} in.Wg
SFX 6T 500-A 01	I	400 Δ	50	925	290	0,80	68	68	6.675	0	3926	0,00
	II	400 Δ	50	915	315	0,81	69	69	5.930	25	3488	0,10
	III	400 Δ	50	910	320	0,82	68	68	5.050	50	2971	0,20
	IV	400 Δ	50	900	325	0,83	70	70	4.000	75	2353	0,30
	I	400 Y	50	775	185	0,38	65	65	5.900	0	3471	0,00
	II	400 Y	50	765	195	0,39	66	66	5.150	20	3029	0,08
	III	400 Y	50	745	200	0,40	65	65	4.350	35	2559	0,14
	IV	400 Y	50	740	205	0,41	65	65	3.350	55	1971	0,22

Product Variant Information

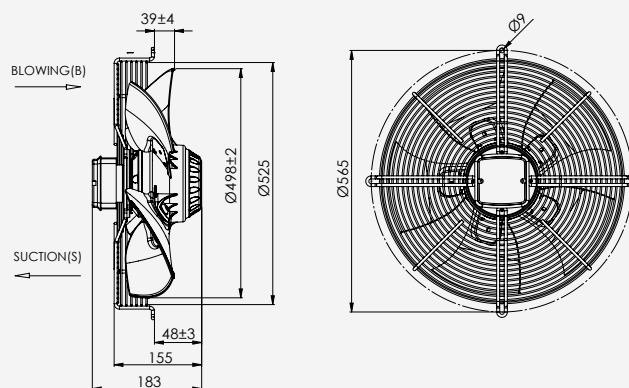
Design	D 01	F 01
Weight	10,5 KG	14,5 KG
		
Type	SFX 6T 500 S/B-D 01	SFX 6T 500 S/B-F 01

Air flow direction "S"

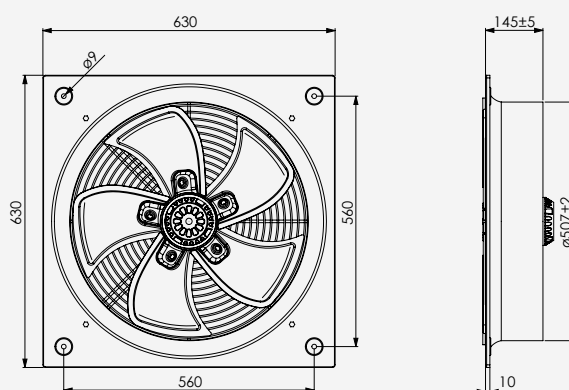
Air flow direction "B"

Dimensions [mm]

Design D 01



Design F 01



Accessories

BSC-F



SFX 8T 500

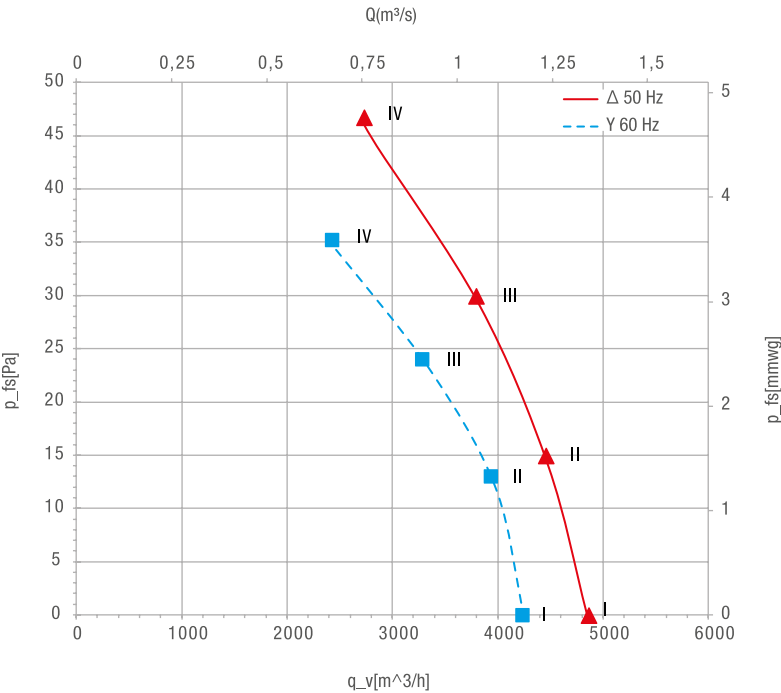


Description

Motor technology: AC
Rated voltage U_N : **400Δ/400Y V~50-60 Hz**
Rated frequency f_N : **50/60 Hz**
Input power P_{ed} : **145 I 80 W**
Rated current I_A : **0.65 I 0.2 A**
Rated speed n_N : **700 I 600 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +80°C
Number of blades: 5
Motor protection class: IP55
Motor insulation class: F
Blades material: Aluminium Sheet Metal
Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

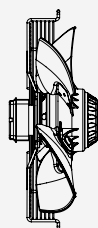


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFX 8T 500- A 01	I	400 Δ	50	690	185	0,65	65	65	4.995	0	2938	0,00
	II	400 Δ	50	680	190	0,66	65	65	4.616	15	2715	0,06
	III	400 Δ	50	675	200	0,67	64	64	3.947	30	2322	0,12
	IV	400 Δ	50	670	210	0,68	66	66	2.938	47	1728	0,19
	I	400 Y	50	590	95	0,23	63	63	4.361	0	2565	0,00
	II	400 Y	50	580	100	0,24	63	63	4.086	13	2404	0,05
	III	400 Y	50	570	105	0,25	62	62	3.482	24	2048	0,10
	IV	400 Y	50	565	110	0,26	62	62	2.581	37	1518	0,15

Product Variant Information

Design D 01
 Weight 10 KG



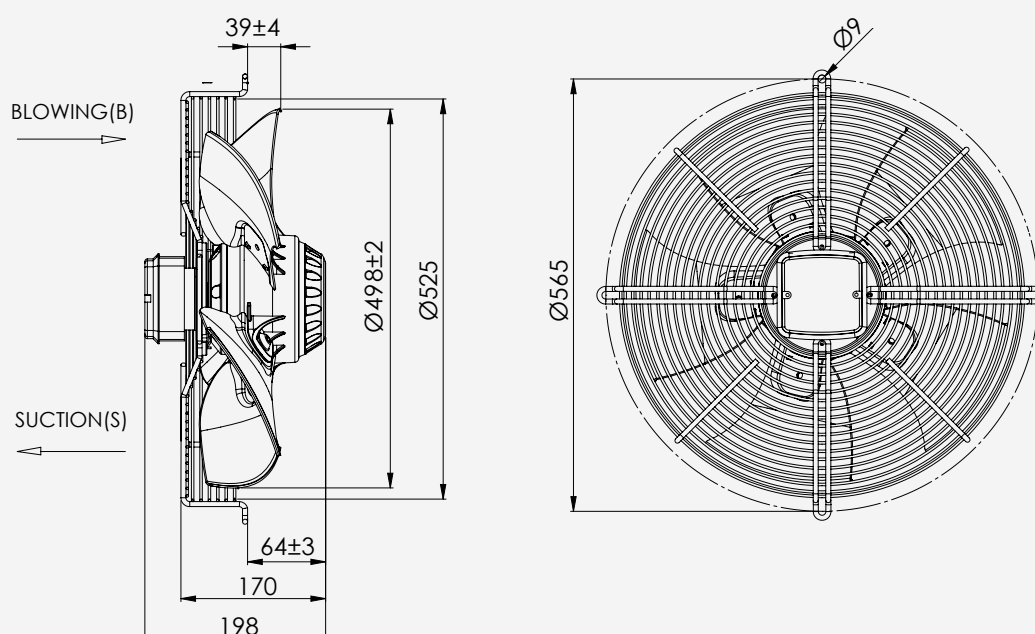
Air flow direction "S"

Air flow direction "B"

Type **SFX 8T 500 S/B-D 01**

Dimensions [mm]

Design D 01



Accessories

BSC-F



SFX 4T 560

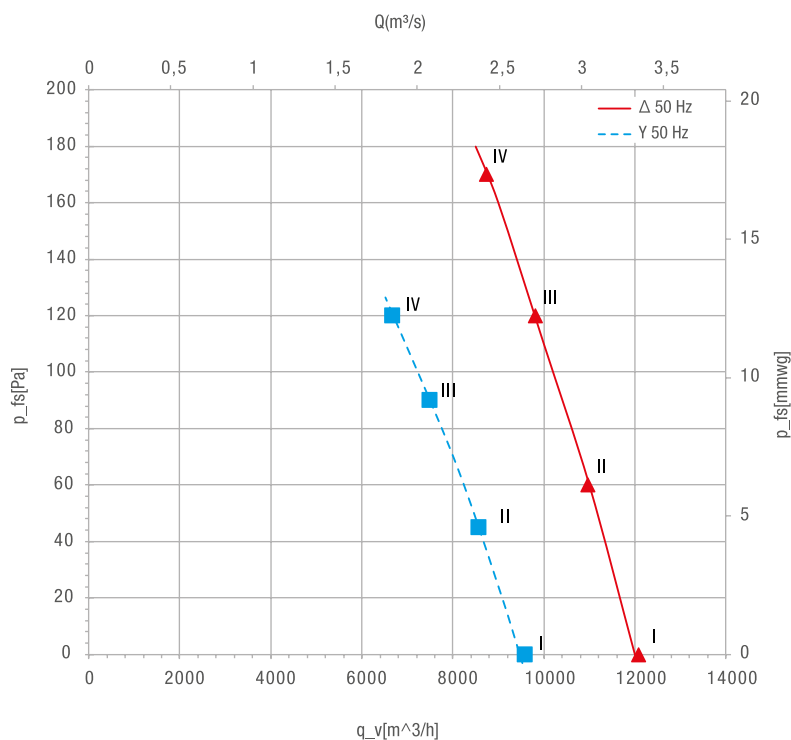


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V** ~50-60 Hz
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **900 I 650 W**
 Rated current I_A : **2.45 I 1.15 A**
 Rated speed n_N : **1350 I 1050 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

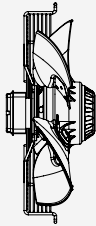
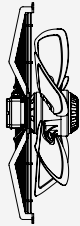
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	q_v cfm	P_{fs} in.Wg
SFX 4T 560-A 01	I	400 Δ	50	1308	1089	1.99	75	75	12.070	0	7100	0,00
	II	400 Δ	50	1284	1112	2.04	73	73	10.890	60	6406	0,24
	III	400 Δ	50	1296	1051	2.07	72	72	9.735	120	5726	0,48
	IV	400 Δ	50	1082	1106	2.10	70	70	8.650	170	5088	0,69
	I	400 Y	50	998	678	1.15	69	69	9.570	0	5629	0,00
	II	400 Y	50	996	698	1.23	68	68	8.750	45	5147	0,18
	III	400 Y	50	970	693	1.23	68	68	7.482	90	4401	0,36
	IV	400 Y	50	948	742	1.29	68	68	6.540	120	3847	0,48

Product Variant Information

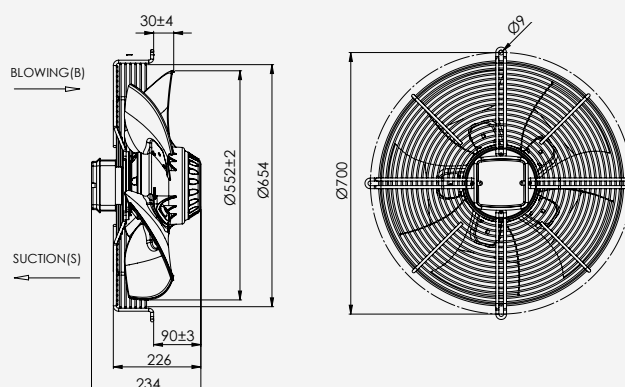
Design	D 01	C 01
Weight	15 KG	17 KG
		
Type	SFX 4T 560 S/B-D 01	SFX 4T 560 S/B-C 01

Air flow direction "S"

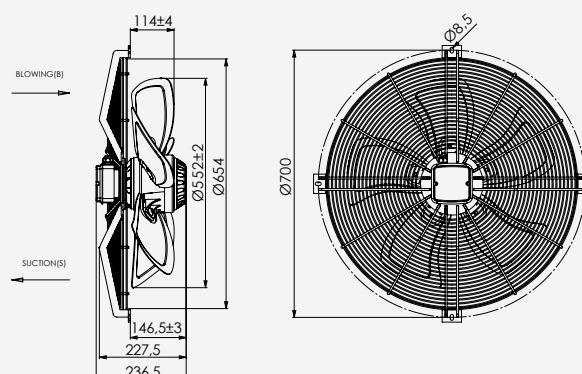
Air flow direction "B"

Dimensions [mm]

Design D 01



Design C 01



Accessories

BSC-F



SFX 6T 560

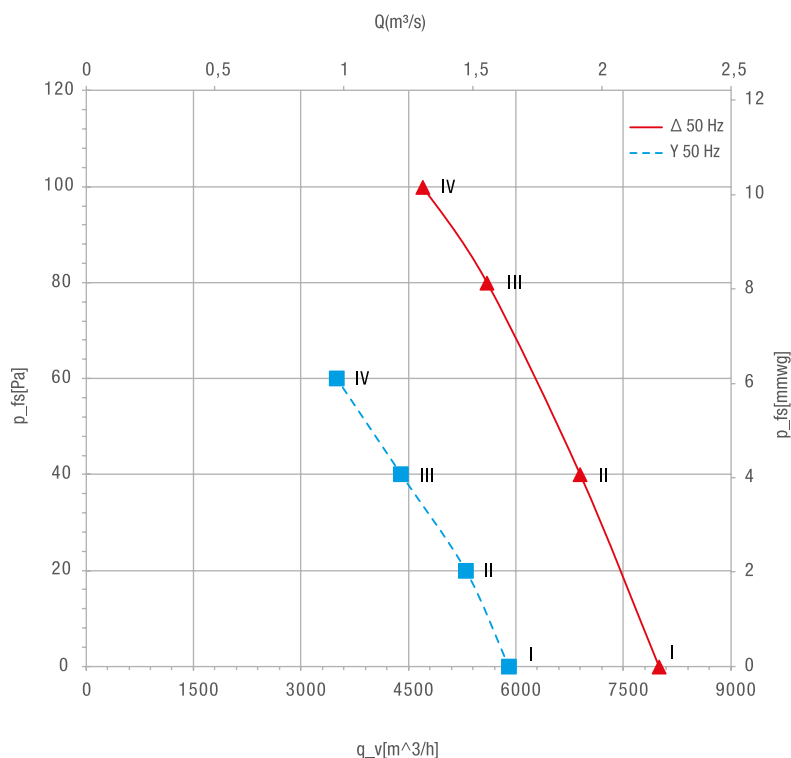


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50-60 Hz**
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **330/230 I 380/265 W**
 Rated current I_A : **0.84/0.42 I 1.04/0.48 A**
 Rated speed n_N : **900/700 I 970/600 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +40°C
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

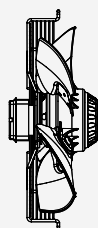


Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	q_v cfm	P_{fs} in.Wg
SFX 6T 560-A 01	I	400 Δ	50	900	752	1,41	66	66	8.000	0	4706	0,00
	II	400 Δ	50	890	773	1,47	65	65	6.900	40	4059	0,16
	III	400 Δ	50	880	788	1,53	64	64	5.600	80	3294	0,32
	IV	400 Δ	50	860	800	1,60	65	65	4.700	100	2765	0,40
	I	400 Y	50	700	502	0,79	63	63	5.900	0	3471	0,00
	II	400 Y	50	700	524	0,84	62	62	5.300	20	3118	0,08
	III	400 Y	50	680	539	0,89	61	61	4.400	40	2588	0,16
	IV	400 Y	50	670	550	0,95	62	62	3.500	60	2059	0,24

Product Variant Information

Design D 01
 Weight 15 KG



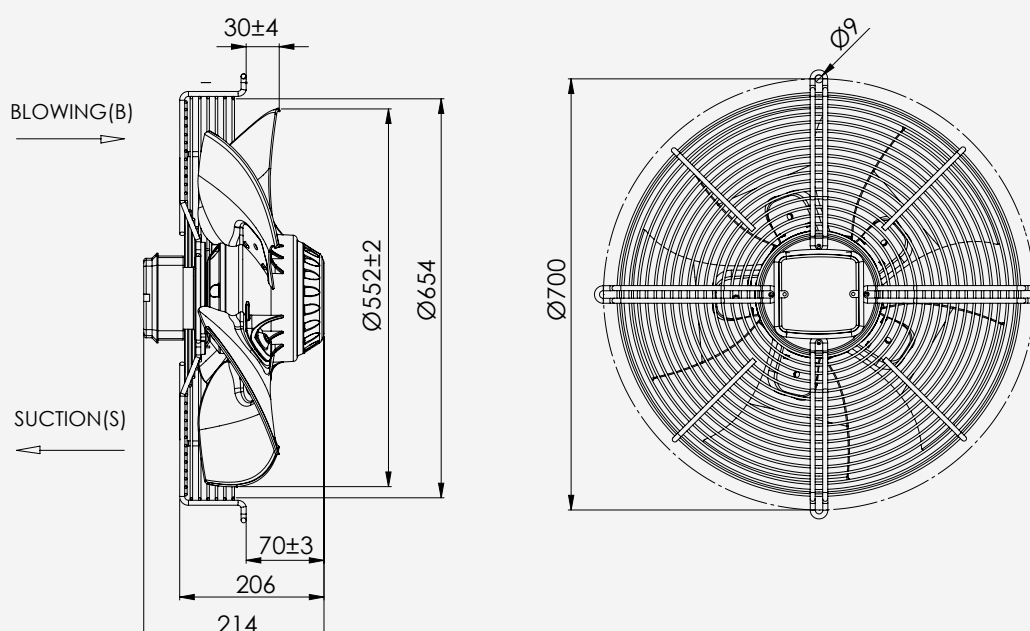
Air flow direction "S"

Air flow direction "B"

Type **SFX 6T 560 S/B-D 01**

Dimensions [mm]

Design D 01



Accessories

BSC-F



SFX 6T 630

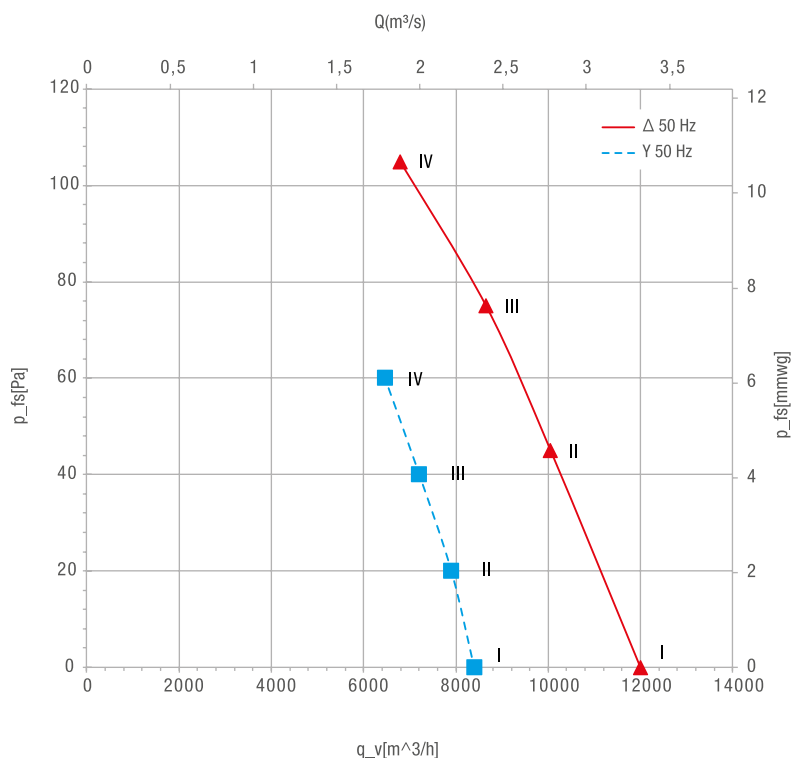


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50/60 Hz**
 Rated frequency f_N : **50/60 Hz**
 Input power P_{ed} : **600/400 I 720/475 W**
 Rated current I_A : **1.25/0.7 I 1.37/0.73 A**
 Rated speed n_N : **850/650 I 900/695 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +45°C
 Number of blades: 5
 Motor protection class: IP55
 Motor insulation class: F
 Blades material: Aluminium Sheet Metal
 Approval: CE

Electrical connection provided by the terminal box.

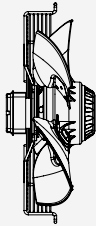
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	qv cfm	P_{fs} in.Wg
SFX 6T 630-A 01	I	400 Δ	50	880	505	1.21	69	69	11.996	0	7056	0,00
	II	400 Δ	50	839	519	1.24	65	64	10.050	45	5912	0,18
	III	400 Δ	50	836	519	1.23	65	63	8.653	75	5090	0,30
	IV	400 Δ	50	798	612	1.33	63	63	6.785	105	3991	0,42
	I	400 Y	50	638	309	0.61	63	63	8.400	0	4941	0,00
	II	400 Y	50	621	320	0.63	60	60	7.900	20	4647	0,08
	III	400 Y	50	618	331	0.64	61	59	7.200	40	4235	0,16
	IV	400 Y	50	538	363	0.71	59	60	6.450	60	3794	0,24
	I	480 Δ	60	915	551	1.32	70	70	13.650	0	8029	0,00
	II	480 Δ	60	884	620	1.48	65	65	11.550	40	6794	0,16
	III	480 Δ	60	870	650	1.41	65	64	9.975	70	5868	0,28
	IV	480 Δ	60	795	760	1.54	63	63	7.350	110	4324	0,44
	I	480 Y	60	602	640	0.63	61	60	11.235	0	6609	0,00
	II	480 Y	60	560	630	0.64	61	60	9.450	30	5559	0,12
	III	480 Y	60	500	628	0.65	60	59	7.875	45	4632	0,18
	IV	480 Y	60	427	580	0.69	61	60	5.250	65	3088	0,26

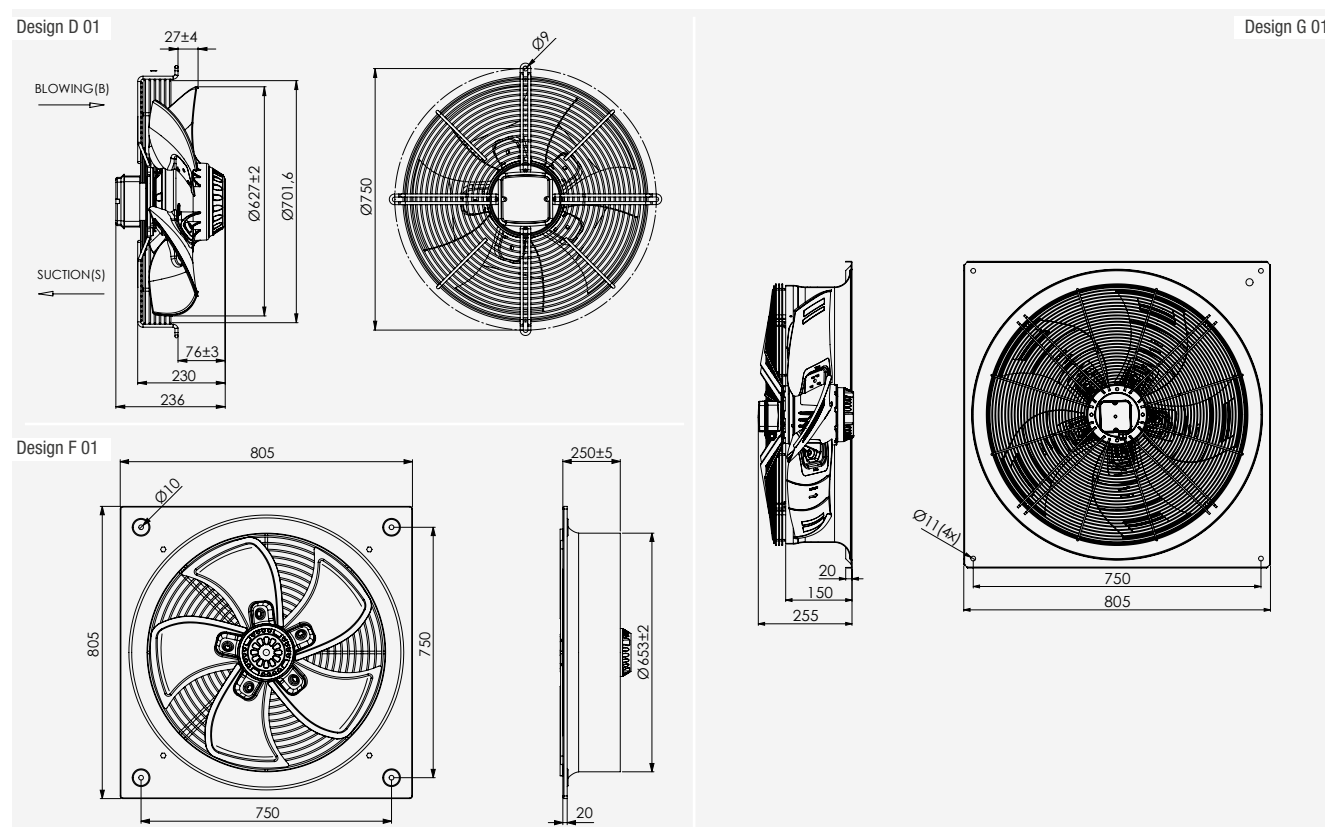
Product Variant Information

Design	D 01	F 01	G 01
Weight	18 KG	22 KG	24 KG
			
Type	SFX 6T 630 S/B-D 01	SFX 6T 630 S/B-F 01	SFX 6T 630 S/B-G 01

Air flow direction "S"

Air flow direction "B"

Dimensions [mm]



Accessories

BSC-F



SFG 4T 630

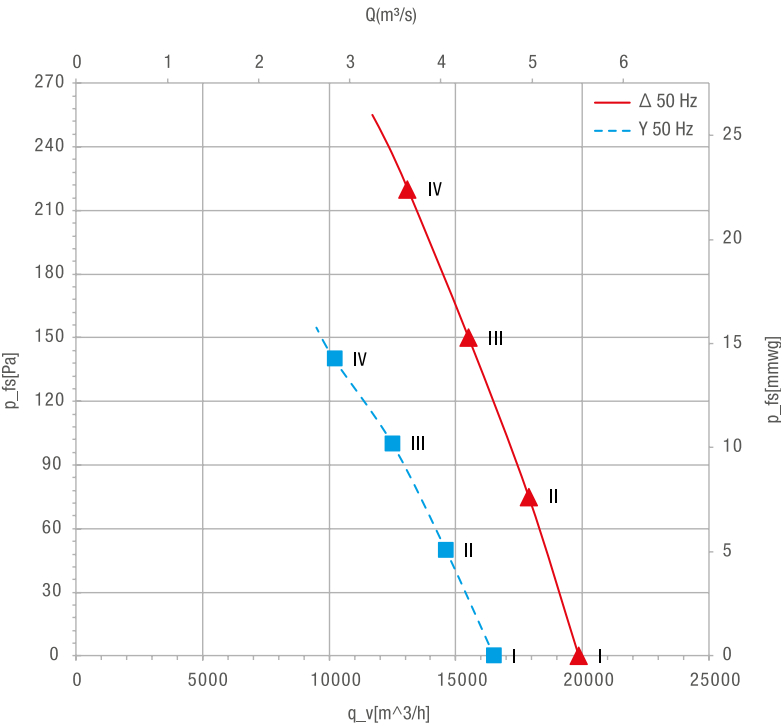


Description

Motor technology: AC
Rated voltage U_N : 400Δ/400Y V~50 Hz
Rated frequency f_N : 50 Hz
Input power P_{ed} : 2500/1700 W
Rated current I_A : 4.25/2.75 A
Rated speed n_N : 1320/1025 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Aluminium (Cast in Aluminium)
Approval: CE

Electrical connection provided by the terminal box.

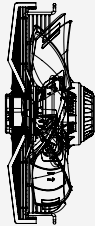
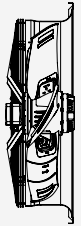
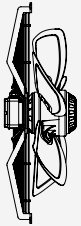
Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFG 4T 630- A 01	I	400 Δ	50	1370	2000	3.85	79	79	19.850	0	11676	0,00
	II	400 Δ	50	1355	2150	4.10	78	79	17.875	75	10515	0,30
	III	400 Δ	50	1340	2300	4.30	77	78	15.500	150	9118	0,60
	IV	400 Δ	50	1320	2500	4.45	80	79	13.100	220	7706	0,89
	I	400 Y	50	1120	1500	2.55	74	74	16.500	0	9706	0,00
	II	400 Y	50	1085	1575	2.50	72	72	14.600	50	8588	0,20
	III	400 Y	50	1050	1650	2.60	72	73	12.500	100	7353	0,40
	IV	400 Y	50	1025	1700	2.75	74	73	10.200	140	6000	0,56

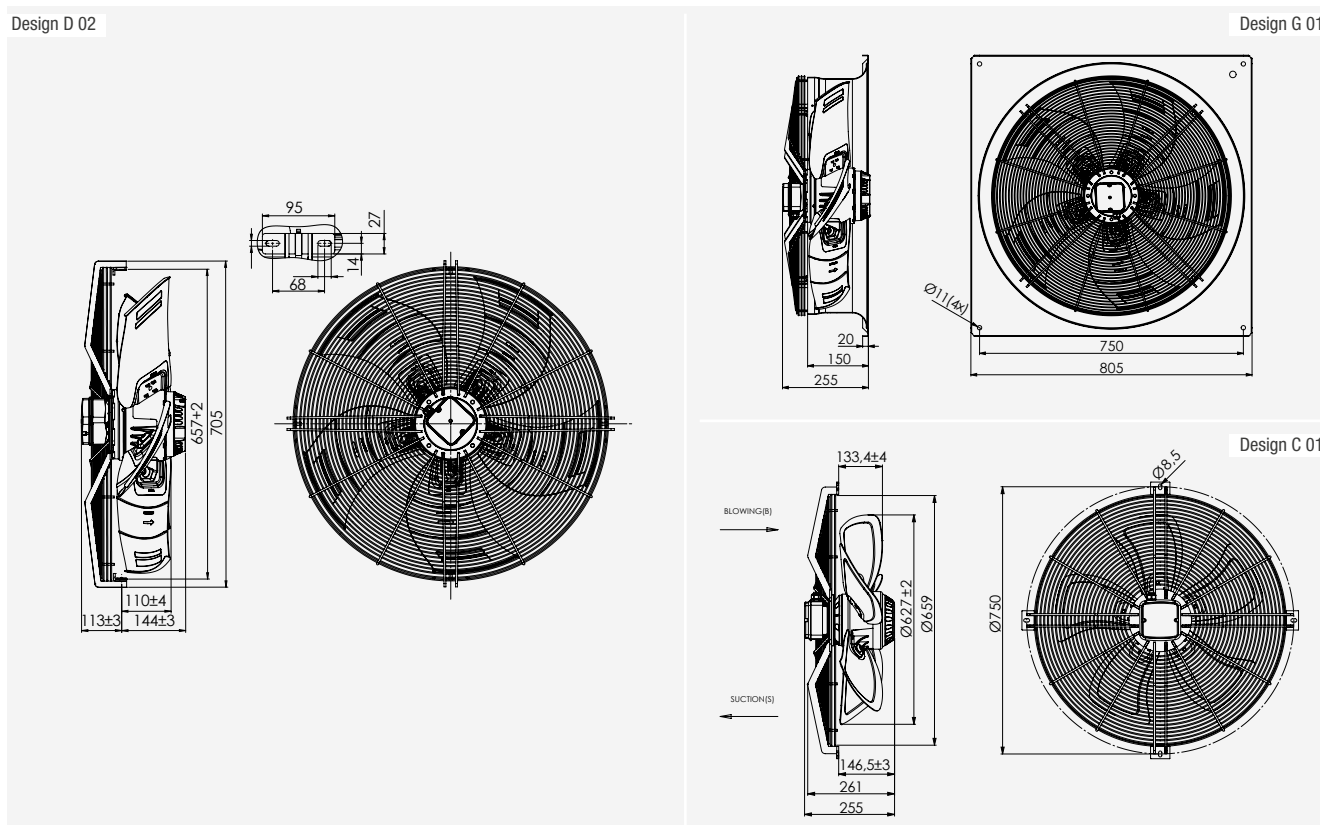
Product Variant Information

Design	D 01	G 01	C 01
Weight	34 KG	39 KG	34 KG
			
Type	SFG 4T 630 S/B-D 01	SFG 4T 630 S/B-G 01	SFG 4T 630 S/B-C 01

Air flow direction "S"

Air flow direction "B"

Dimensions [mm]



Accessories

BSC-F



SFG 4T 630

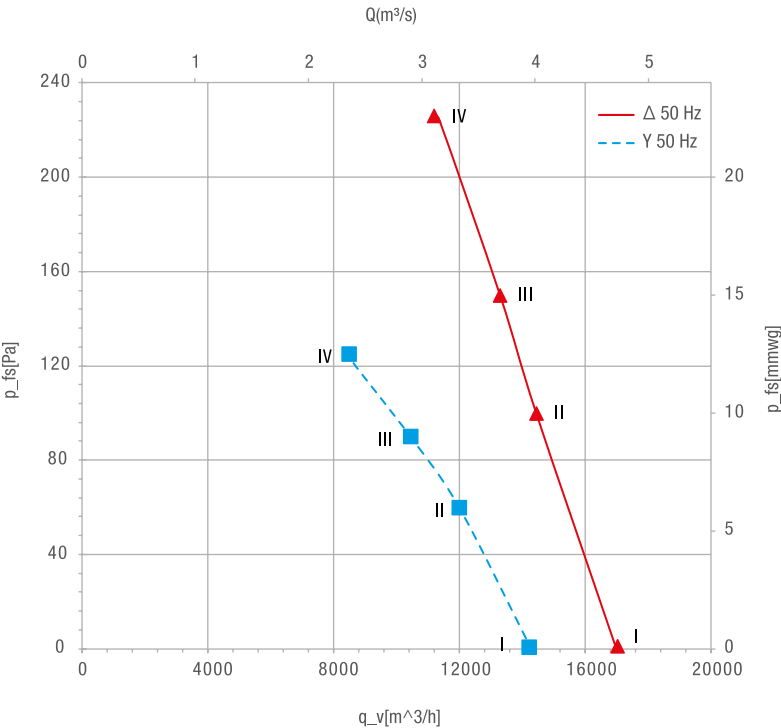


Description

Motor technology: AC
Rated voltage U_N : 400Δ/400Y V~50 Hz
Rated frequency f_N : 50 Hz
Input power P_{ed} : 1860/1250 W
Rated current I_A : 3.3/2.1 A
Rated speed n_N : 1310/1030 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Aluminium (Cast in Aluminium)
Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFG 4T 630- A 02	I	400 Δ	50	1375	1550	2,9	73	73	17.000	0	10000	0,00
	II	400 Δ	50	1340	1680	2,95	75	75	14.450	100	8500	0,40
	III	400 Δ	50	1330	1775	3,10	75	75	13.100	150	7706	0,60
	IV	400 Δ	50	1310	1865	3,3	78	79	11.350	225	6676	0,91
	I	400 Y	50	1060	1130	1,88	69	69	14.300	0	8412	0,00
	II	400 Y	50	1050	1150	1,90	70	70	12.000	60	7059	0,24
	III	400 Y	50	1045	1200	1,95	72	72	10.450	90	6147	0,36
	IV	400 Y	50	1030	1250	2,10	71	71	8.700	120	5118	0,48

Product Variant Information

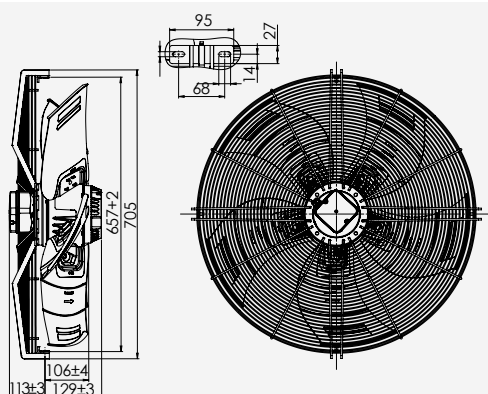
Design	D 02	G 02
Weight	34 KG	39 KG
		
Type	SFG 4T 630 S/B-D 02	SFG 4T 630 S/B-G 02

Air flow direction "S"

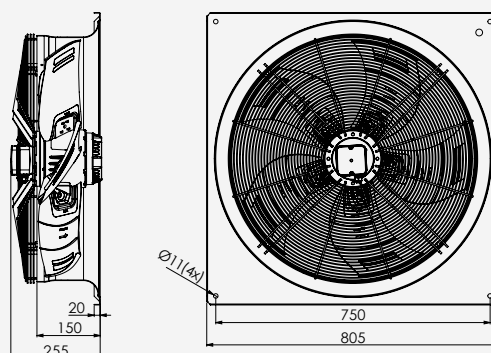
Air flow direction "B"

Dimensions [mm]

Design D 02



Design G 02



Accessories

BSC-F



SFG 4T 630

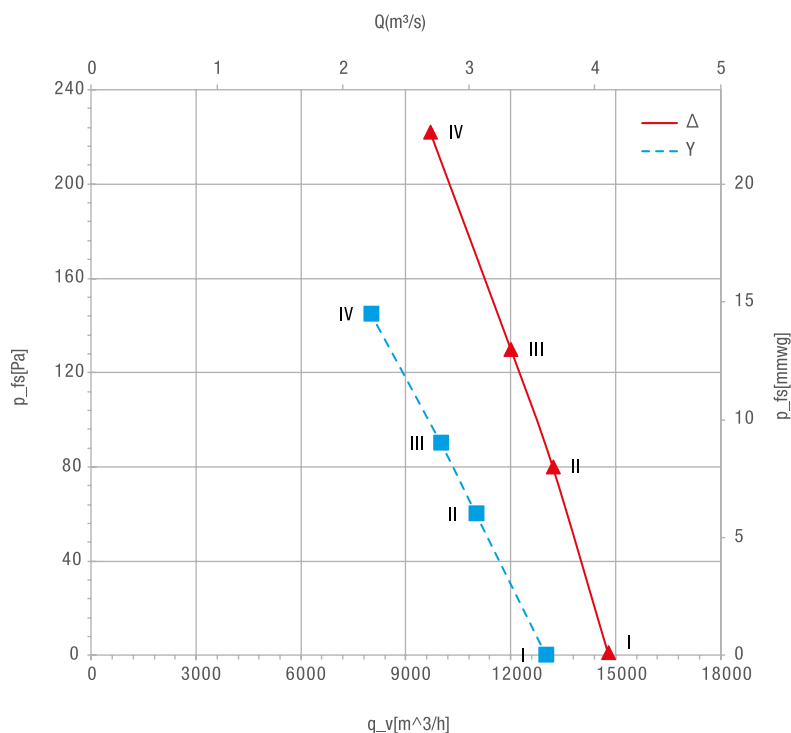


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **1600/1100 W**
 Rated current I_A : **2.9/1.85 A**
 Rated speed n_N : **1350/1100 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +65°C
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium (Cast in Aluminium)
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	qv cfm	P_{fs} in. Wg
SFG 4T 630-A 04	I	400 Δ	50	1370	1190	2.55	79	79	14.800	0	8706	0,00
	II	400 Δ	50	1355	1290	2.60	78	79	13.200	80	7765	0,32
	III	400 Δ	50	1340	1410	2.65	77	78	12.000	130	7059	0,52
	IV	400 Δ	50	1320	1620	3.08	80	79	10.000	210	5882	0,85
	I	400 Y	50	1120	950	1.55	74	74	13.000	0	7647	0,00
	II	400 Y	50	1085	980	1.65	72	72	11.000	60	6471	0,24
	III	400 Y	50	1050	1050	1.76	72	73	10.000	90	5882	0,36
	IV	400 Y	50	1025	1110	1.92	74	73	8.000	145	4706	0,58

Product Variant Information

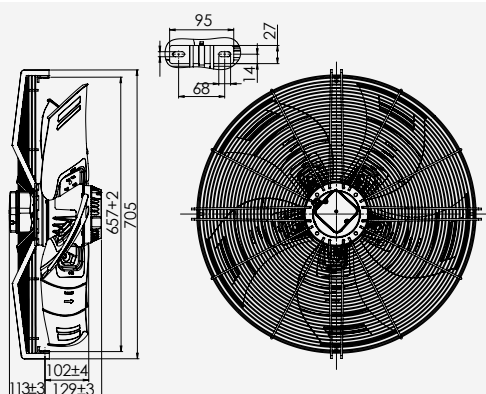
Design	D 04	G 04
Weight	34 KG	39 KG
		
Type	SFG 4T 630 S/B-D 04	SFG 4T 630 S/B-G 04

Air flow direction "S"

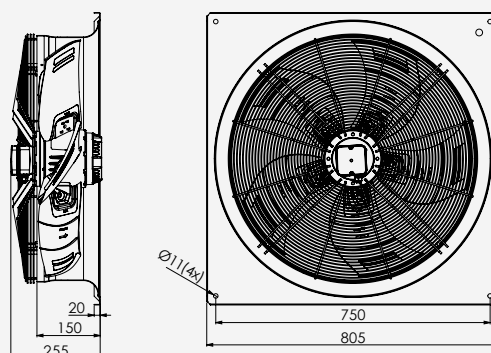
Air flow direction "B"

Dimensions [mm]

Design D 04



Design G 04



Accessories

BSC-F



SFG 4T 710

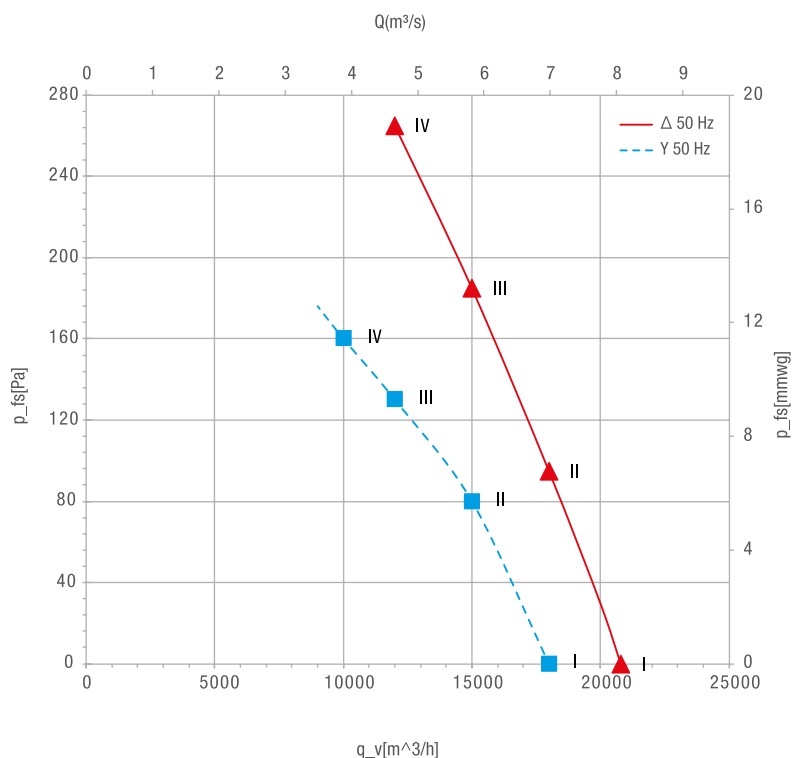


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **2365 I 1645 W**
 Rated current I_A : **4.37 I 2.73 A**
 Rated speed n_N : **1360 I 1080 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium (Cast in Aluminium)
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

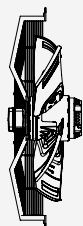


Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	q_v cfm	P_{fs} in.Wg
SFG 4T 710-A 01	I	400 Δ	50	1390	1995	3,99	80	80	20.800	0	12235	0,00
	II	400 Δ	50	1380	2005	3,92	82	81	18.000	95	10588	0,37
	III	400 Δ	50	1370	2220	4,22	82	82	15.000	185	8824	0,73
	IV	400 Δ	50	1360	2365	4,47	85	85	12.000	265	7059	1,04
	I	400 Y	50	1190	1400	2,38	76	76	18.000	0	10588	0,00
	II	400 Y	50	1180	1450	2,46	77	77	15.000	80	8824	0,31
	III	400 Y	50	1150	1610	2,74	78	78	12.000	130	7059	0,51
	IV	400 Y	50	1080	1645	2,73	79	79	10.000	160	5882	0,63

Product Variant Information

Design C 01
 Weight 33 KG



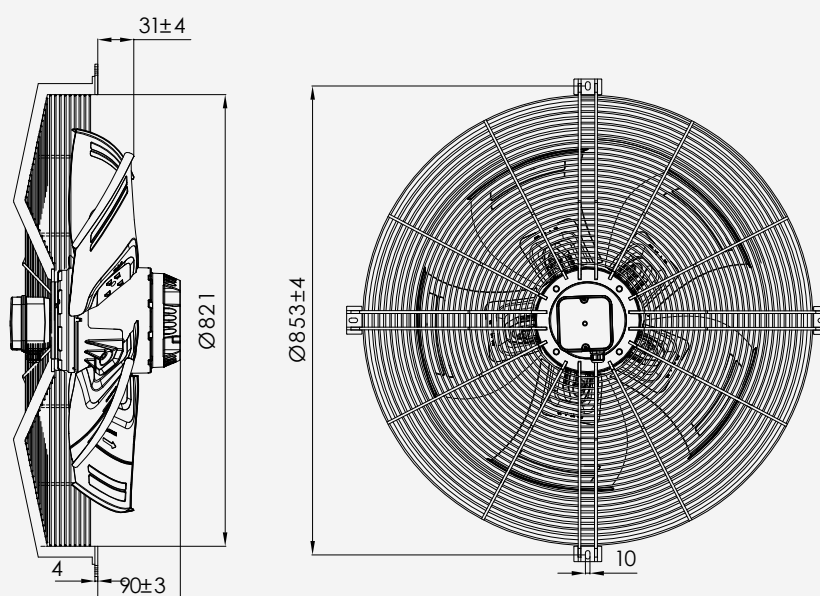
Air flow direction "S"

Air flow direction "B"

Type **SFG 4T 710 S/B-C 01**

Dimensions [mm]

Design C 01



Accessories

BSC-F



SFG 6T 710

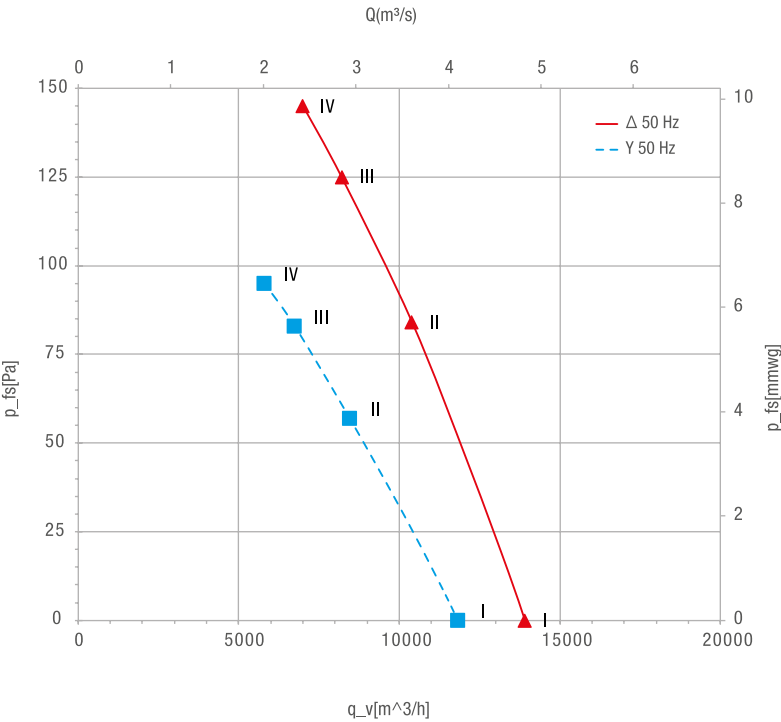


Description

Motor technology: AC
Rated voltage U_N : 400Δ/400Y V~50 Hz
Rated frequency f_N : 50 Hz
Input power P_{ed} : 1088 I 635 W
Rated current I_A : 2.41 I 1.21 A
Rated speed n_N : 910 I 750 min⁻¹
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
Number of blades: 5
Motor prodection class: IP54
Motor insulation class: F
Blades metarial: Aluminium (Cast in Aluminium)
Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

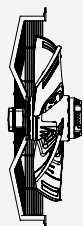


Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFG 6T 710- A 01	I	400 Δ	50	930	882	2,25	69	69	13917	0	8186	0,00
	II	400 Δ	50	925	898	2,29	70	70	10.400	84	6118	0,33
	III	400 Δ	50	920	949	2,33	71	71	8.227	125	4839	0,49
	IV	400 Δ	50	910	1014	2,41	71	71	7.000	145	4118	0,57
	I	400 Y	50	790	612	1,15	66	66	11822	0	6954	0,00
	II	400 Y	50	780	618	1,16	66	66	8.450	57	4971	0,22
	III	400 Y	50	765	637	1,19	67	67	6.727	83	3957	0,33
	IV	400 Y	50	750	636	1,21	68	68	5.800	95	3412	0,37

Product Variant Information

Design C 01
Weight 36 KG



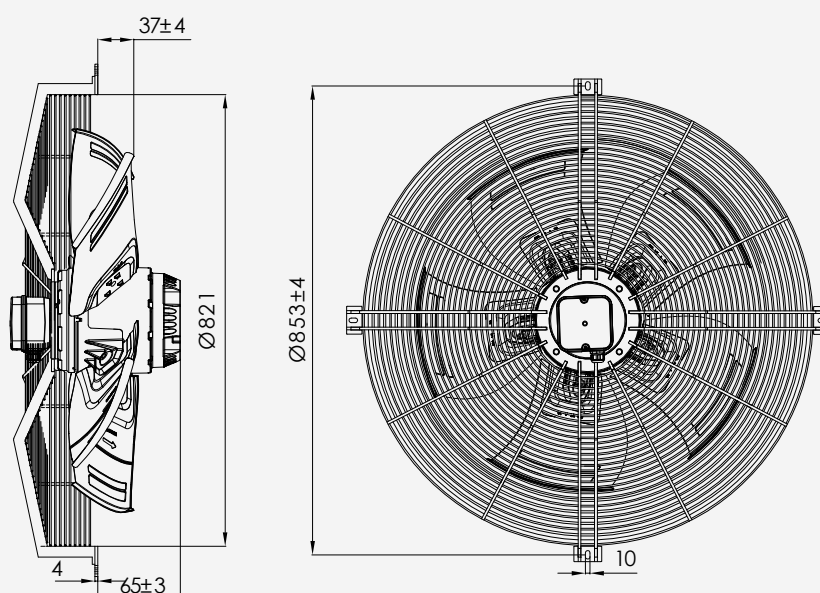
Air flow direction "S"

Air flow direction "B"

Type SFG 6T 710 S/B-C 01

Dimensions [mm]

Design C 01



Accessories

BSC-F



SFG 6T 800

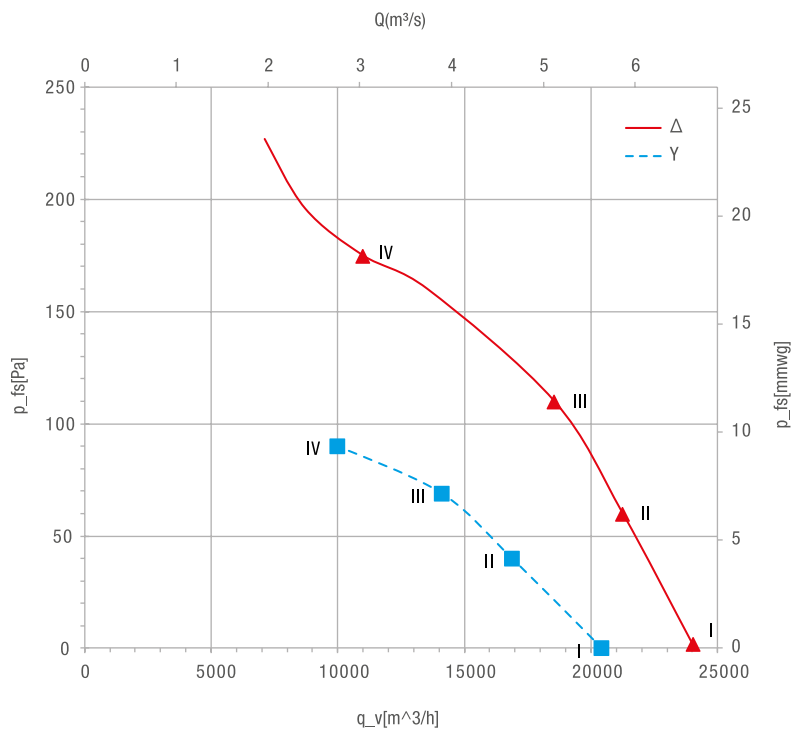


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **1999/1150 W**
 Rated current I_A : **4.1/2.2 A**
 Rated speed n_N : **875/640 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium (Cast in Aluminium)
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	q_v cfm	P_{fs} in. Wg
SFG 6T 800-A 01	I	400 Δ	50	915	1401	3.40	72	72	24.100	0	14176	0,00
	II	400 Δ	50	905	1599	3.50	72	71	21.260	60	12506	0,24
	III	400 Δ	50	880	1770	3.85	73	72	18.560	110	10918	0,44
	IV	400 Δ	50	875	1999	4.10	77	77	13.550	160	7971	0,65
	I	400 Y	50	760	995	1.90	68	67	20.420	0	12012	0,00
	II	400 Y	50	710	1075	2.01	66	66	16.880	40	9929	0,16
	III	400 Y	50	690	1125	2.15	67	66	14.100	69	8294	0,28
	IV	400 Y	50	640	1150	2.20	70	69	10.000	90	5882	0,36

Product Variant Information

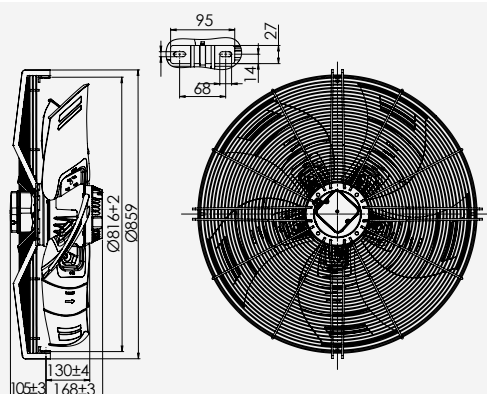
Design	D 01	G 01
Weight	39 KG	45 KG
		
Type	SFG 6T 800 S/B-D 01	SFG 6T 800 S/B-G 01

Air flow direction "S"

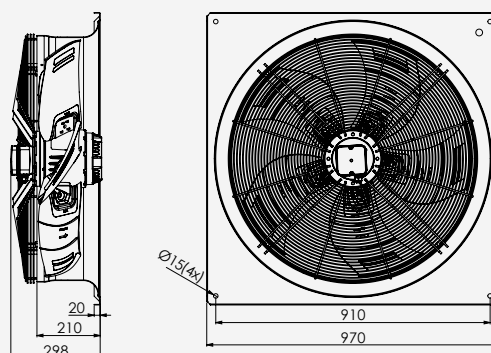
Air flow direction "B"

Dimensions [mm]

Design D 01



Design G 01



Accessories

BSC-F



SFG 6T 800

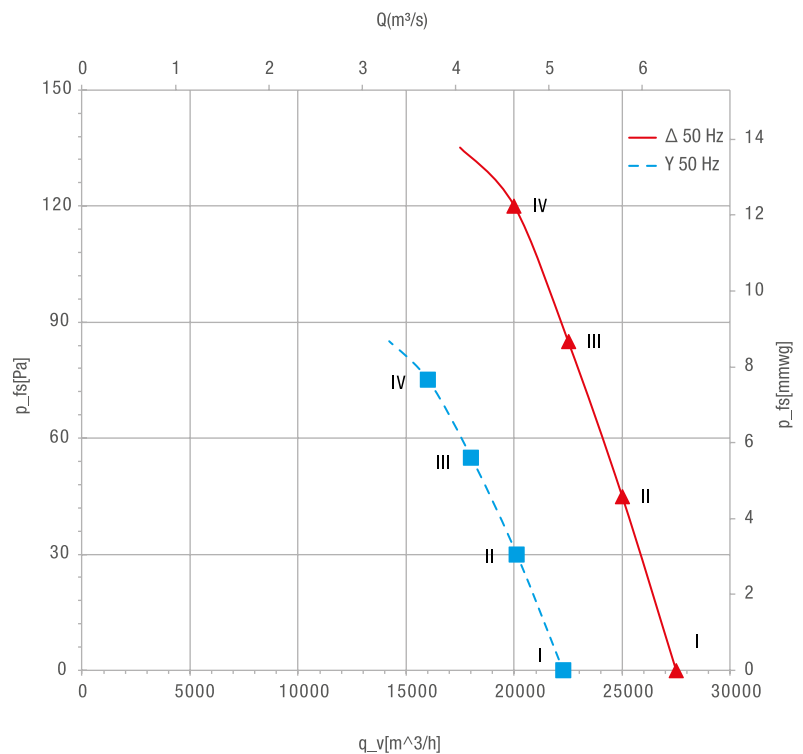


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **2300/1300 W**
 Rated current I_A : **5.3/2.6 A**
 Rated speed n_N : **900/680 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +50°C
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium (Cast in Aluminium)
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	qv cfm	P_{fs} in. Wg
SFG 6T 800-A 02	I	400 Δ	50	920	1980	5.00	75	75	27.500	0	16176	0,00
	II	400 Δ	50	915	2000	5.10	75	74	25.000	45	14706	0,18
	III	400 Δ	50	910	2150	5.25	75	74	22.500	85	13235	0,34
	IV	400 Δ	50	900	2300	5.30	76	75	20.000	120	11765	0,48
	I	400 Y	50	710	1100	2.45	69	68	22.250	0	13088	0,00
	II	400 Y	50	700	1150	2.48	69	69	20.100	30	11824	0,12
	III	400 Y	50	690	1200	2.55	69	68	18.000	55	10588	0,22
	IV	400 Y	50	680	1300	2.60	70	69	16.000	75	9412	0,30

Product Variant Information

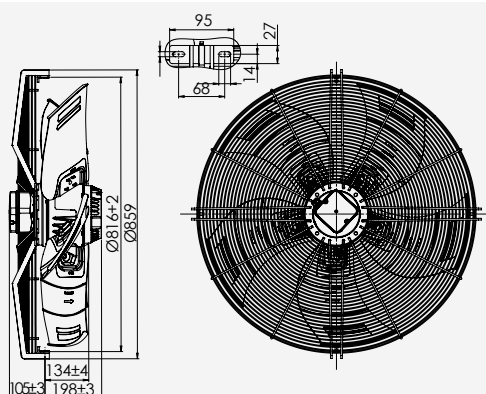
Design	D 02	G 02
Weight	44 KG	50 KG
		
Type	SFG 6T 800 S/B-D 02	SFG 6T 800 S/B-G 02

Air flow direction "S"

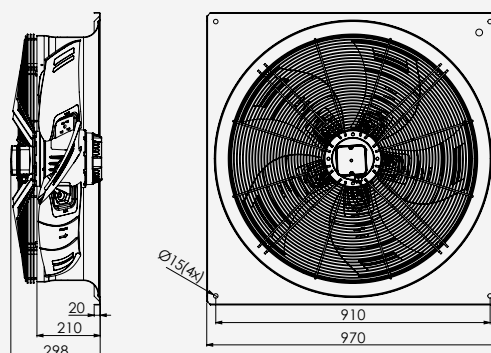
Air flow direction "B"

Dimensions [mm]

Design D 02



Design G 02



Accessories

BSC-F



SFG 6T 800

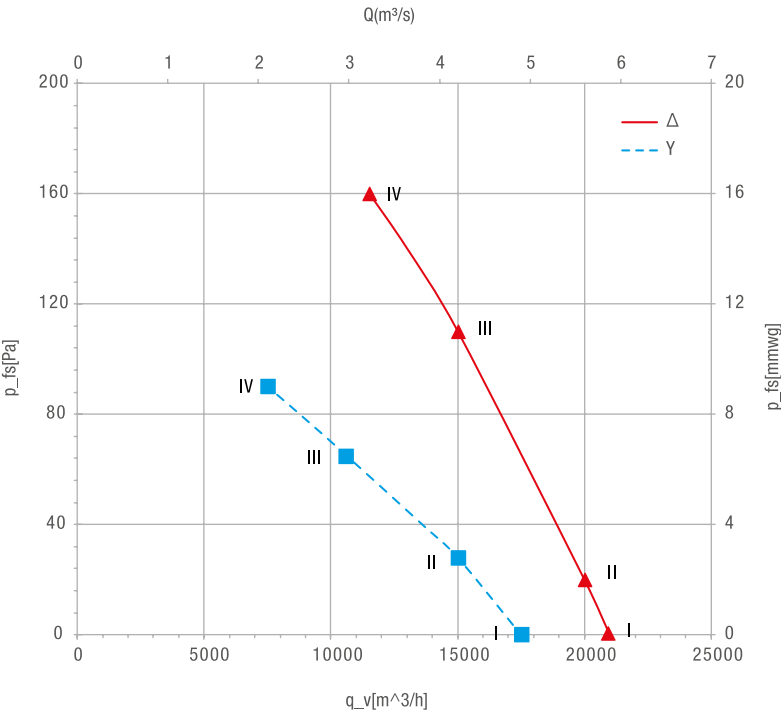


Description

Motor technology: AC
Rated voltage U_N : **400Δ/400Y V~50 Hz**
Rated frequency f_N : **50 Hz**
Input power P_{ed} : **1500/850 W**
Rated current I_A : **3.1/1.63 A**
Rated speed n_N : **860/600 min⁻¹**
Min. permitted ambient temperature t_{amb} : -40°C
Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
Number of blades: 5
Motor protection class: IP54
Motor insulation class: F
Blades material: Aluminium (Cast in Aluminium)
Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFG 6T 800- A 03	I	400 Δ	50	910	1051	2,55	71	70	21.000	0	12353	0,00
	II	400 Δ	50	900	1200	2,63	71	70	20.000	20	11765	0,08
	III	400 Δ	50	850	1328	2,89	72	71	15.000	110	8824	0,44
	IV	400 Δ	50	860	1500	3,08	76	75	12.000	160	7059	0,65
	I	400 Y	50	750	747	1,43	67	66	17.500	0	10294	0,00
	II	400 Y	50	705	807	1,51	65	64	15.000	30	8824	0,12
	III	400 Y	50	670	844	1,61	66	65	10.000	70	5882	0,28
	IV	400 Y	50	600	863	1,65	69	68	8.000	85	4706	0,34

Product Variant Information

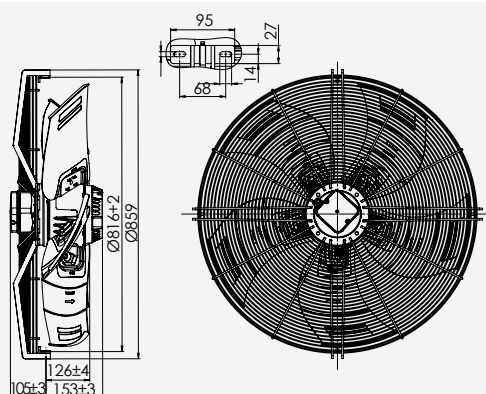
Design	D 03	G 03
Weight	39 KG	45 KG
		
Type	SFG 6T 800 S/B-D 03	SFG 6T 800 S/B-G 03

Air flow direction "S"

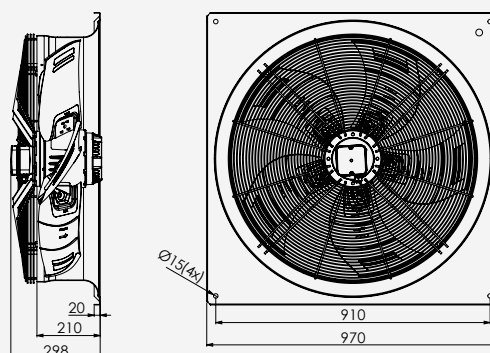
Air flow direction "B"

Dimensions [mm]

Design D 03



Design G 03



Accessories

BSC-F



SFG 6T 800

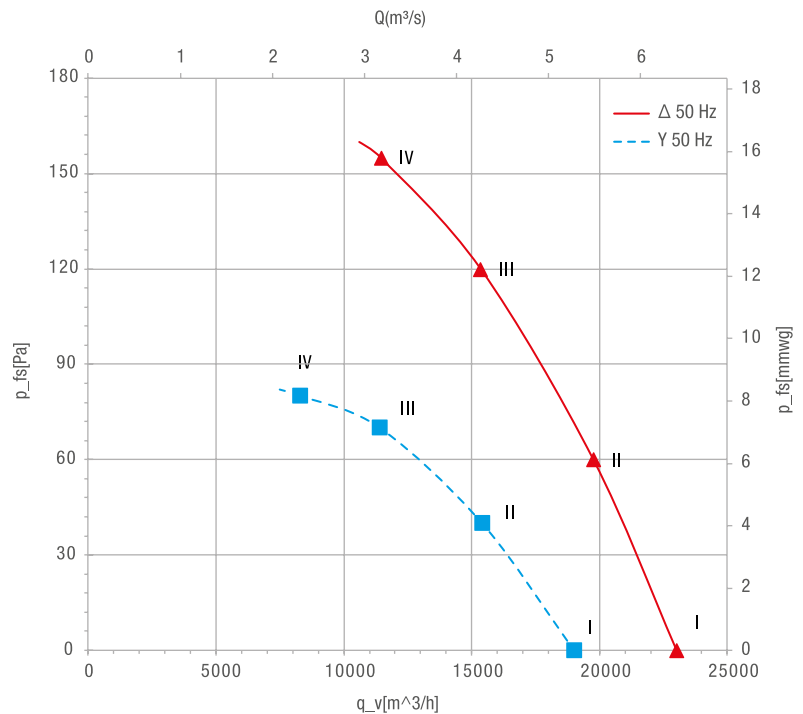


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **1425/800 W**
 Rated current I_A : **2.8/1.55 A**
 Rated speed n_N : **850/640 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: High Performance composite material
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve



Performance Data

Type		Voltage	Frequency	Speed	Power	Current	Lw(A)_in dB(A)	Lw(A)_out dB(A)	Max. Airflow m³/h	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]				P_fs Pa	qv cfm	P_fs in.Wg
SFG 6T 800- A 21	I	400 Δ	50	935	960	2.30	70	70	23.000	0	13529	0,00
	II	400 Δ	50	900	1150	2.40	70	70	19.750	60	11618	0,24
	III	400 Δ	50	880	1330	2.70	71	71	15.350	120	9029	0,48
	IV	400 Δ	50	850	1425	2.80	74	74	11.450	155	6735	0,63
	I	400 Y	50	750	690	1.25	66	65	19.000	0	11176	0,00
	II	400 Y	50	700	750	1.45	65	65	15.400	40	9059	0,16
	III	400 Y	50	680	775	1.50	66	65	11.400	70	6706	0,28
	IV	400 Y	50	640	800	1.55	69	68	8.300	80	4882	0,32

Product Variant Information

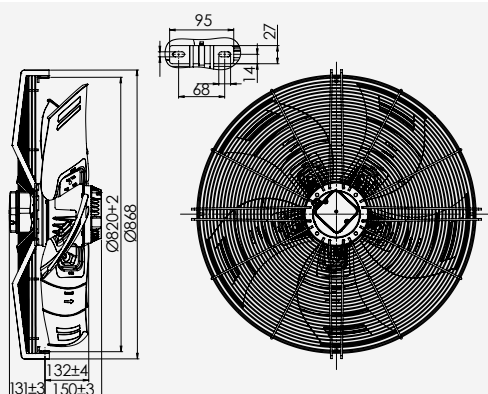
Design	D 21	G 21
Weight	35 KG	42 KG
		
Type	SFG 6T 800 S/B-D 21	SFG 6T 800 S/B-G 21

Air flow direction "S"

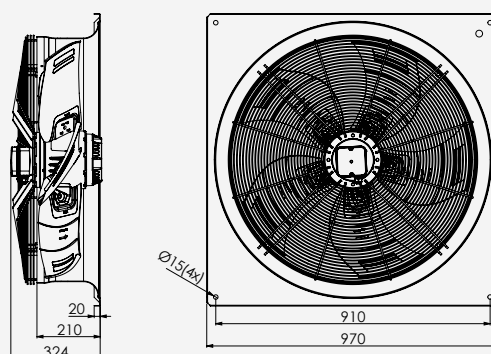
Air flow direction "B"

Dimensions [mm]

Design D 21



Design G 21



Accessories

BSC-F



SFG 6T 910

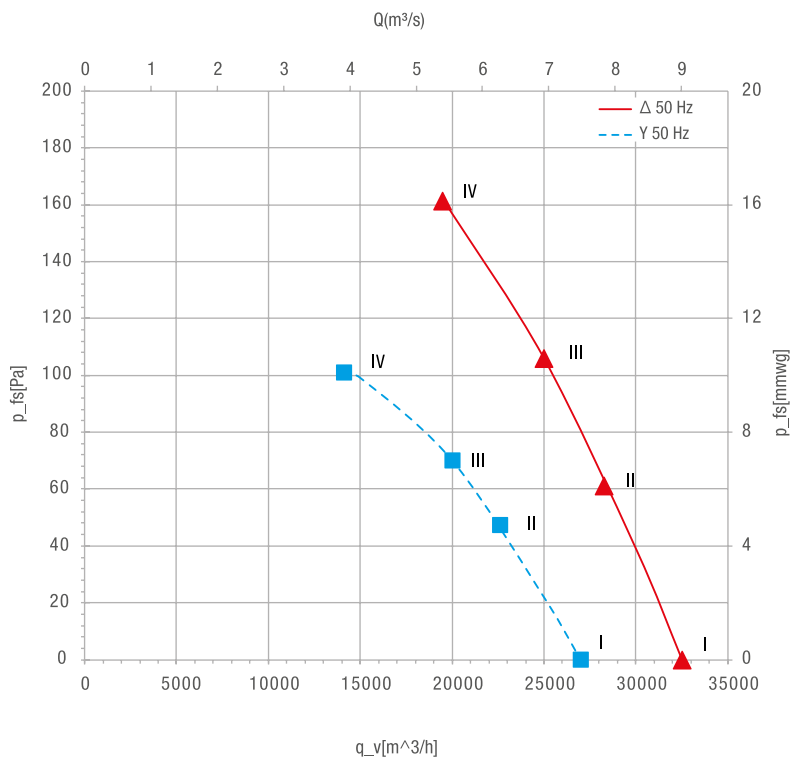


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **2431 I 1539 W**
 Rated current I_A : **5.00 I 2.82 A**
 Rated speed n_N : **890 I 690 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium (Cast in Aluminium)
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

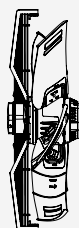


Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	q_v cfm	P_{fs} in.Wg
SFG 6T 910-A 01	I	400 Δ	50	920	1751	4,66	75	75	32.500	0	19118	0,00
	II	400 Δ	50	915	2010	4,53	75	74	28.280	61	16635	0,25
	III	400 Δ	50	900	2218	4,74	76	74	25.000	106	14706	0,43
	IV	400 Δ	50	890	2431	5,00	76	76	20.000	157	11765	0,63
	I	400 Y	50	765	1266	2,37	61	61	27.000	0	15882	0,00
	II	400 Y	50	755	1382	2,59	59	59	23.050	48	13559	0,19
	III	400 Y	50	730	1460	2,74	59	60	20.000	70	11765	0,28
	IV	400 Y	50	690	1539	2,82	61	62	15.000	101	8824	0,41

Product Variant Information

Design D 01
Weight 35 KG



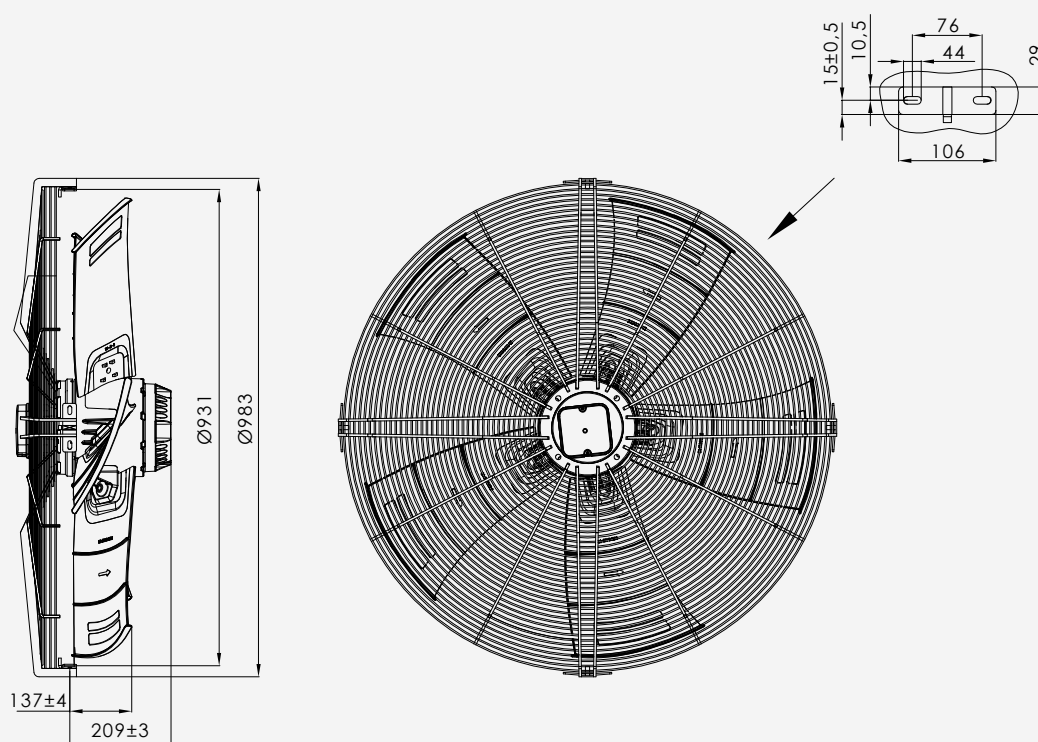
Air flow direction "S"

Air flow direction "B"

Type SFG 6T 910 S/B-D 01

Dimensions [mm]

Design D 01



Accessories

BSC-F



SFG 8T 910

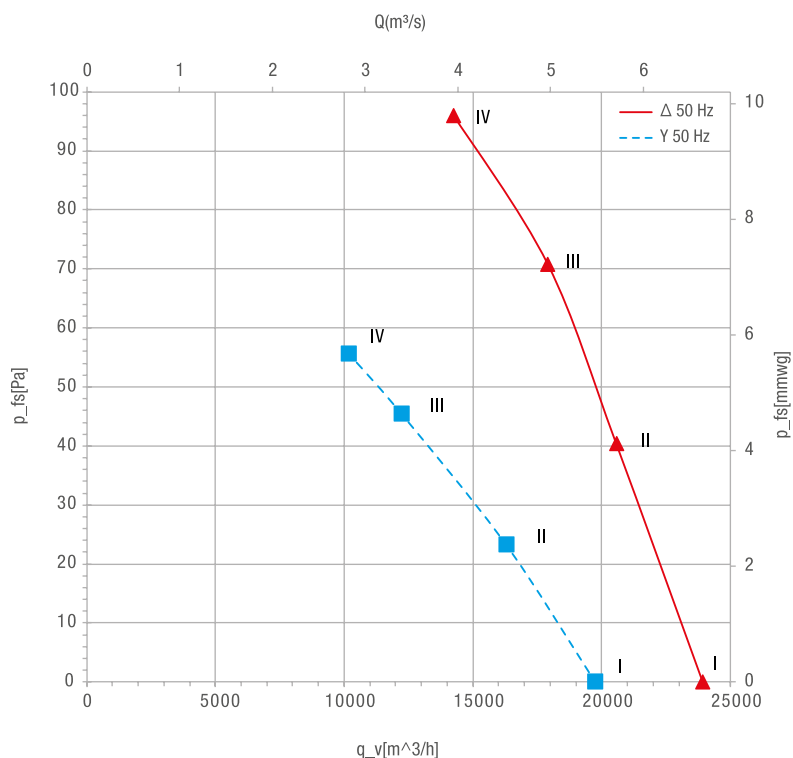


Description

Motor technology: AC
 Rated voltage U_N : **400Δ/400Y V~50 Hz**
 Rated frequency f_N : **50 Hz**
 Input power P_{ed} : **1088 I 635 W**
 Rated current I_A : **2.62 I 1.32 A**
 Rated speed n_N : **650 I 475 min⁻¹**
 Min. permitted ambient temperature t_{amb} : -40°C
 Max. permitted ambient temperature t_{amb} at n_{max} : +60°C
 Number of blades: 5
 Motor protection class: IP54
 Motor insulation class: F
 Blades material: Aluminium (Cast in Aluminium)
 Approval: CE

Electrical connection provided by the terminal box.

Characteristic Curve

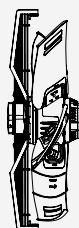


Performance Data

Type		Voltage	Frequency	Speed	Power	Current			Max. Airflow	Pressure		
		U [V]	f Hz	n RPM	P_e W	I [A]	$Lw(A)_{in}$ dB(A)	$Lw(A)_{out}$ dB(A)	m^3/h	P_{fs} Pa	qv cfm	P_{fs} in.Wg
SFG 8T 910-A 01	I	400 Δ	50	680	882	2,23	73	73	23.923	0	14072	0,00
	II	400 Δ	50	675	922	2,42	72	72	20.564	40	12096	0,16
	III	400 Δ	50	665	1010	2,50	72	72	17.917	70	10539	0,29
	IV	400 Δ	50	650	1088	2,62	75	75	14.252	96	8384	0,39
	I	400 Y	50	530	580	1,15	68	68	19.749	0	11617	0,00
	II	400 Y	50	520	585	1,19	67	67	16.288	23	9581	0,09
	III	400 Y	50	490	615	1,26	65	65	12.216	45	7186	0,18
	IV	400 Y	50	475	635	1,32	69	69	10.180	55	5988	0,22

Product Variant Information

Design D 01
Weight 34 KG



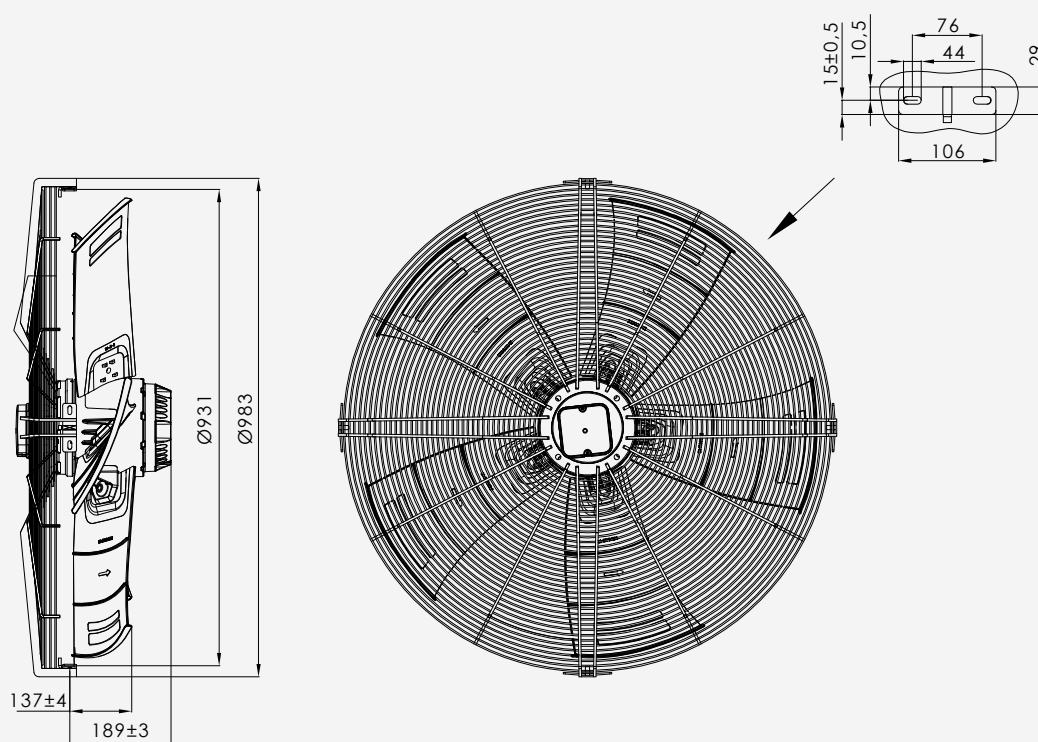
Air flow direction "S"

Air flow direction "B"

Type SFG 8T 910 S/B-D 01

Dimensions [mm]

Design D 01



Accessories

BSC-F



TYPE	CONNECTION DIAGRAM					
	1	8	14	15	20	22
SF 4M 250 - A 01	•					
SF 4M 300 - A 01	•					
SF 2M 300 - A 01	•					
SFX 4M 300 - A 01	•					
SF 4M 350 - A 01	•					
SFX 4M 350 - A 01	•					
SF 4M 400 - A 01	•					
SF 4M 450 - A 01	•					
SFX 6M 450 - A 01	•					
SFG 4M 450 - A 01		•	•			
SF 4M 500 - A 01		•	•			
SFX 4M 500 - A 01		•	•			
SFX 6M 500 - A 01		•	•			
SFX 4M 560 - A 01		•	•			
SFX 6M 560 - A 01		•	•			
SFX 6M 630 - A 01		•	•			
SFX 2T 250 - A 01				•		
SFX 2T 300 - A 01				•		
SFX 4T 300 - A 01				•		
SFX 4T 350 - A 01				•		
SFG 4T 350 - A 01				•		
SF 4T 400 - A 01				•		
SFX 4T 400 - A 01				•		
SF 4T 450 - A 01				•		
SFG 4T 450 - A 01					•	
SF 4T 500 - A 01					•	
SFX 4T 500 - A 01					•	
SFX 6T 500 - A 01					•	
SFX 8T 500 - A 01					•	
SFX 4T 560 - A 01					•	
SFX 6T 560 - A 01					•	
SFX 6T 630 - A 01					•	
SFG 4T 630 - A xx						•
SFG 4T 710 - A xx						•
SFG 6T 710 - A xx						•
SFG 6T 800 - A xx						•
SFG 6T 910 - A xx						•

CONNECTION DIAGRAM

