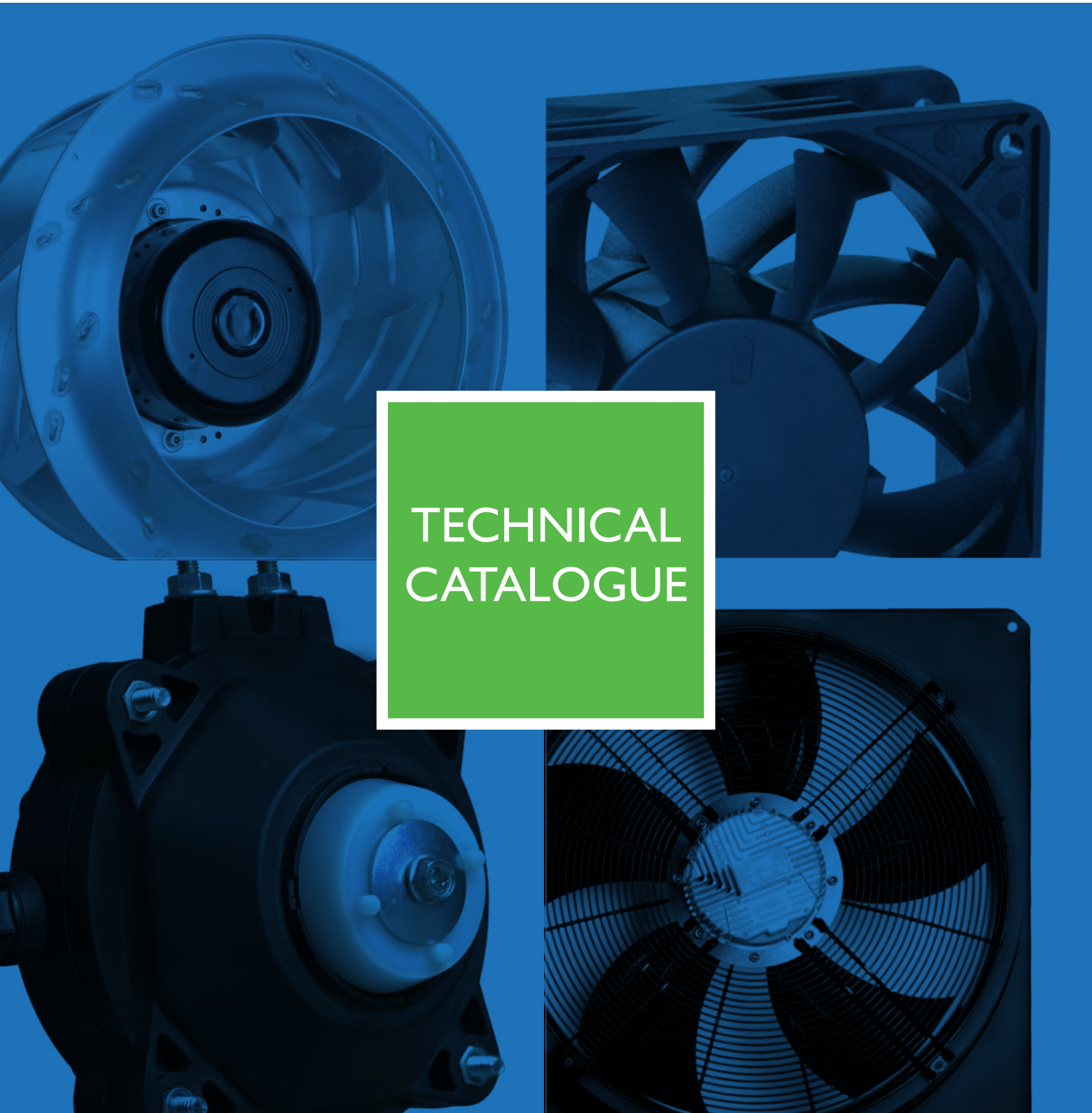
HICOOL™

Air Moving Products



TECHNICAL CATALOGUE

250k sq ft.
PRODUCTION AREA

15million
MOTORS/YEAR

200+
POINT OF SALES

EXPORT TO
20+
COUNTRIES

1000+
CUSTOMERS

Numbers are for FY 2026 and are subject to change

Performance with Purpose

Great Place To Work. Certified APR 2025-APR 2026 INDIA

Founded in 1988, Hicool designs and manufactures precision air-moving and thermal management solutions for applications where performance, reliability, and efficiency are critical.

We serve diverse industries including HVAC, refrigeration, telecom, equipment cooling, control cabinets, railways, and medical equipment. In many of these mission-critical applications, our products play a vital role in maintaining stable operating temperatures and protecting systems that run continuously under demanding conditions.

As a vertically integrated manufacturer, Hicool brings together motors, fans, and complete air-movement solutions under one roof. This end-to-end control enables consistent quality, long product life, and reliable performance.

Our engineering teams work closely with customers to address real-world challenges such as high heat density, limited space, noise optimisation, and energy efficiency. The result is precise, application-specific, and cost-effective solutions.

With modern manufacturing facilities and high-volume production capability, Hicool supports both standard and customised requirements at scale.

Today, Hicool products are trusted in over 20 countries, carrying forward our legacy of engineering excellence and purpose-driven performance.

Contents

Selecting The Right Fan

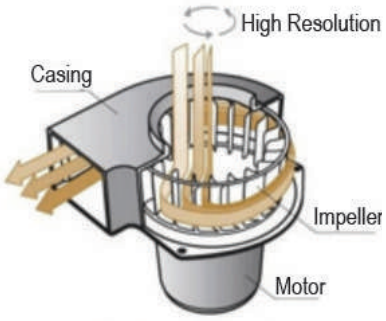
In recent years, the importance of cooling technology has become even greater due to an increase in heat emitted by equipment in line with a transition to high functionality and high speed. Therefore, selection of a right cooling fan for the application have become even more critical.

Based on the application, below parameters need to be determined for the right selection of the fan:

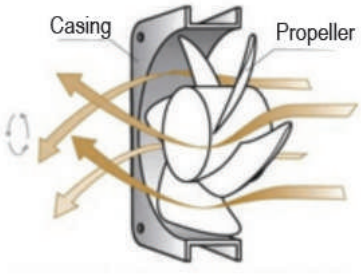
Fan Type	Airflow	Static Pressure	Atmospheric Condition	Ingress Protection

Fan Type

Fans are generally categorized by the way the air enters and leaves the fan; if it exits in the same plane as it enters it is normally termed an axial fan, as to draw air in from one side and expel it from the other. If the airflow leaves in a different plane it is normally referred to as a centrifugal design, as the air drawn in changes direction inside the fan and is expelled in a different direction. Axial fans are predominantly suitable for high airflow in systems with low static pressure, while centrifugal fans offer lower airflow against higher static pressure.



Centrifugal Blower



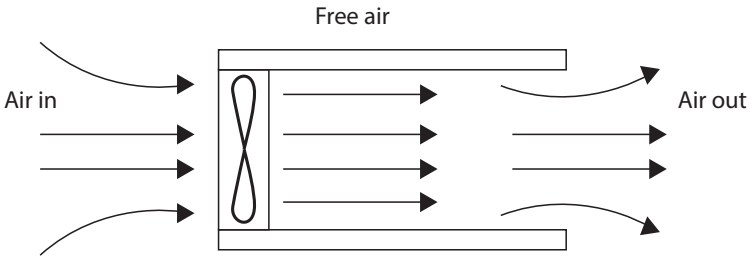
Axial Fan

Airflow

Once the fan type is known, the volume of air exchanged must be determined. Airflow is rated in cubic feet of air per minute (CFM) or in metric equivalent, it is rated in cubic meters per hour (M^3/hr).

1 CFM = 1.699 M^3/hr

Lower airflow will affect the cooling of equipment; therefore, it is always recommended to select a fan with airflow that is slightly higher than required.

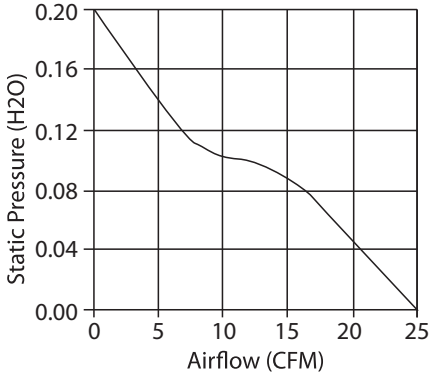


Static Pressure

An accurate measurement of static pressure is critical for proper fan selection. Static Pressure is the resistance to airflow (friction) caused by the air moving through a pipe, duct, hose, filter etc. Static Pressure is rated in inches water gauge (inWG) or the metric equivalent, millimeters water gauge (mmWG).

1 inWG = 25.4 mmWG.

The airflow given in our catalogue is at free air i.e. at 0 static pressure. Please ask for Airflow vs Static Pressure Chart before selecting a Fan.



Atmospheric Condition

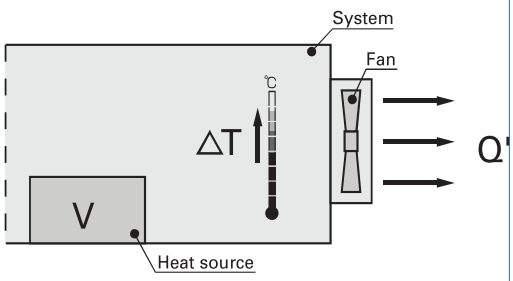
Apart from the above parameters while selecting a fan also consider the Atmospheric Condition near the fan. A fan should be operated within the operating temperature range given in the spec sheet. Fan should be selected based on the application (i.e. whether outdoor or indoor, dusty atmosphere etc). For dusty atmosphere it is always recommended to go for a fan with at least IP 44 protection and for outdoor application where the fan is exposed to the environment higher IP rating is required.

GUIDELINE FOR SELECTING A FAN

How to select the correct fan?

1. Determine your system specifications & condition:

Determine the rise in temperature inside the system and obtain the total value of heat based on its input & output.
Example:
V – Total value of heat in your system = 200 W
ΔT – Temperature rise inside your system = 15 K



2. Airflow calculation for cooling your system :

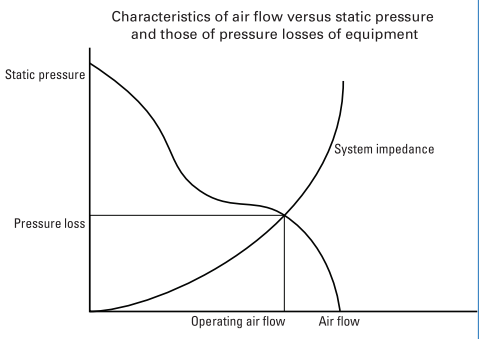
Once the system specifications & conditions are determined, calculate the required airflow to cool the system using below mentioned formula.
Example :
Q'- Motion airflow (m3/min)
Q' = V/ (20 x ΔT) i.e 200/ (20 x 15) = 0.66 m3/min.

Note : The formula shown above only applies when the heat radiation is performed only by cooling air from the fan.

3. Fan selection:

The Cooling Fan is selected based on the value obtained by calculating the motion airflow (Q').

-Note that, the motion airflow when the Cooling Fan is mounted in your system can be obtained using the airflow Vs static pressure characteristic curve and system impedance.
- As the system impedance cannot be measured without a measuring instrument, so fan with 1.5 to 2 times higher airflow than the actual maximum airflow should be selected.
(Note: operating airflow is one third to two third of maximum airflow)
-The fan selected should we such that, it should satisfy the airflow requirement along with the available space within your system.



4. Finalize the selected fan :

Calculate the temperature rise inside your system when your system is having 100 W of total heating value is forcefully cooled by the fan selected by you.

Example :
Q'= Q x 2/3 =0.66 x 2/3 = 0.44 m3/min
ΔT = V/(20 xQ') = 200/ (20 x 0.44) = 22.72 K

Therefore, the temperature rise in your system is 22.72 K.

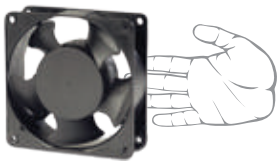
Note that, the value obtained from above equation is rough value, final fan selection should be based on your actual installation test.

What is Ingress Protection

Ingress protection ratings or IP ratings, refer to the level of protection offered by an electrical enclosure, against solids and liquids.

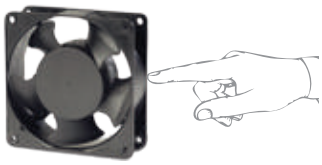
SOLIDS

1



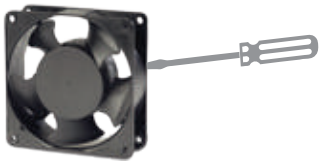
Protected against a solid object greater than 50mm such as hand

2



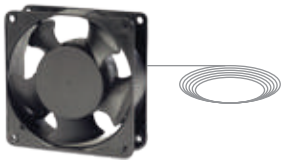
Protected against a solid object greater than 12.5mm such as finger

3



Protected against a solid object greater than 2.5mm such as a screw-driver

4



Protected against a solid object greater than 1mm such as a wire

5

Dust protected, limited ingress of duct permitted. Will not interfere with operation of the equipment. Two to eight hours

6

Dust tight, no ingress of dust. Two to eight hours

WATER

1

Protected against vertically falling drop of water. Limited ingress permitted. Duration 10 minutes

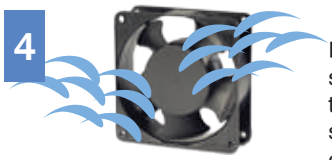
2

Protected against vertically falling drops of water with Fan tilted up to 15 degrees from the vertical. Duration 10 minutes, shall have no harmful effect.

3

Protected against sprays of water up to 60 degrees from the vertical. Duration 5 minutes, shall have no harmful effect.

4



Protected against water splashed from all directions. Duration 5 minutes, shall have no harmful effect.

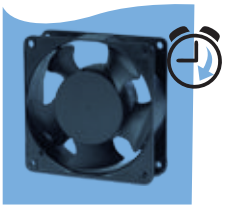
5

Protected against jets of water. Duration 3 minutes, shall have no harmful effect.

6

Water projected from powerful source shall not enter the enclosure in harmful effect.

7



Protection against the effects of immersion in water between 15cm and 1 meter for 30 minutes

8

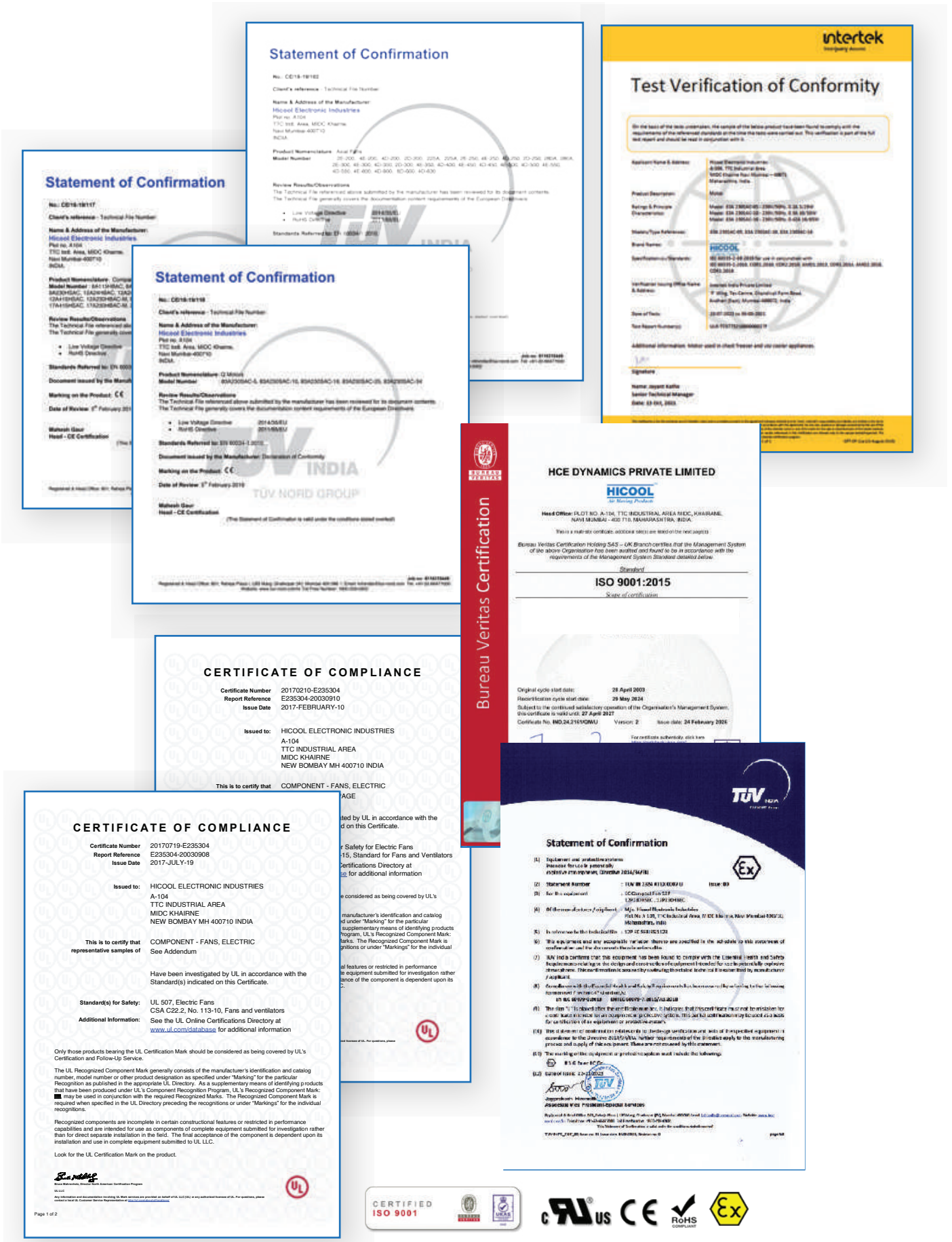
Protection against the effects of immersion in water under pressure for long periods

IP Ratings Explained

E.g. IP 4 4

The first digit (4) represents the protection against solid objects and the second number (4), against water

Certifications



Note:

■ **Certifications may vary by product.**

Product Nomenclature

Compact Fans

6	P	12	H	S	AC	-	R
Housing Frame Size	Housing Material	Voltage	Speed	Bearing System	Input Supply		Fan Type
6-60x60x20mm 8-80x80x25mm 9-92x92x25mm 12-120x120x38mm 17-172x150x51mm 22-220x220x80mm 225-225x225x80mm 280-280x280x80mm	P- Plastic A- Aluminium	12V 24V 48V 115V 230V 415V	H- High Speed M- Medium Speed L- Low Speed	S- Sleeve Bearing B- Ball Bearing	DC AC EC		R- Round Type Housing S- Square Type Housing X- Super High Speed L- Low Power M- Metal Blade

Large Axial Fans

2	E	-	200	S
Pole	Phase		Fan Dia	Direction of Airflow
2 4 6	E-Single Phase D-Three Phase		200 - 800 mm	S- Suction B- Blowing

RadEC & AxiEC

T	2	H	E	560	-	J1	-	100
Outer Structure	Phase	Hicool	Power Supply	Impeller Diameter		Design Variant		Specification Code
B: Bare Axial Fan G: Guard Grill + Axial Fan ASSY V: Venturi + Grill + Axial Fan ASSY R: Radial Fan T: Top Plate + Bracket + Radial ASSY	1: Single Phase 2: Three Phase 3: DC		E: EC Fan A: AC Fan D: DC Fan	190 - 910 mm				

Product Nomenclature

Inline Duct Fans

IDF - 220

- IDF: Inline Duct Fans
- 220: Fan Dia

Backward Curved Fans

BCF - 133

- BCF: Backward Curved Fans
- 133: Fan Dia

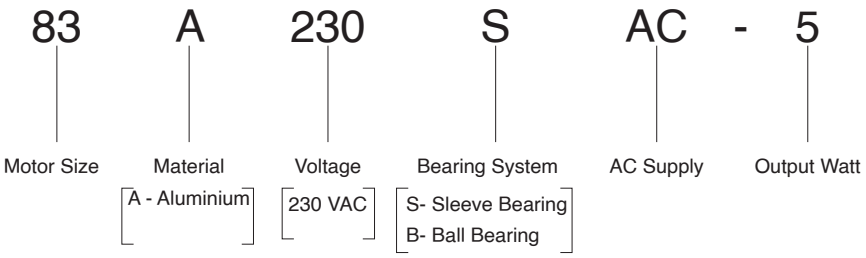
Centrifugal Blowers

CFB 2 E - 120 S

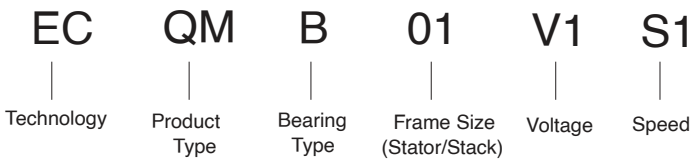
- CFB: Centrifugal Blowers
- 2: Pole
  - 2
  - 4
- E: Phase
  - E-Single Phase
  - D-Three Phase
- 120: Fan Dia
- S: Direction of Airflow
  - S- Single Inlet
  - D- Dual Inlet

Product Nomenclature

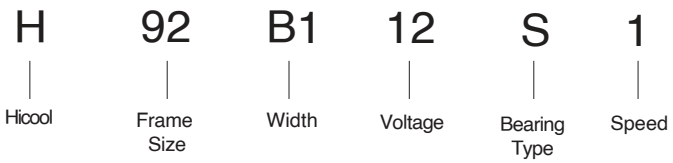
Q Motors



EC Q Motors

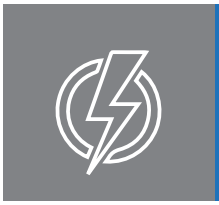


DC Compact Axial Fans



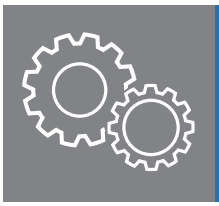
Industries Served

Commercial Refrigeration

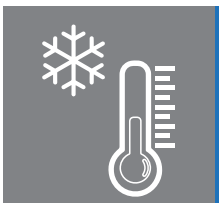


Electricals & Electronics

Mobility



Machinery & Equipments

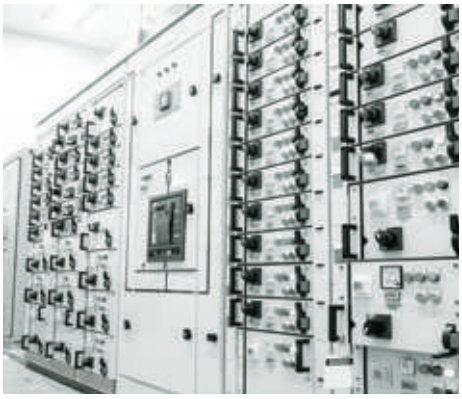


HVAC

Network & Telecom

EV Charger

Compact Fans - AC



Compact Fans - AC

Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
80X80X25mm (Pack size: 20 Nos.)										
8A115HBAC	Ball	115	50/60	0.210/0.180	2300/2800	14/12	21/25	4/4.8	29/34	12
8A115HSAC	Sleeve	115	50/60	0.210/0.180	2300/2800	14/12	21/25	4/4.8	29/34	12
8A230HBAC	Ball	230	50/60	0.070/0.060	2300/2800	14/12	21/25	4/4.8	29/34	12
8A230HSAC	Sleeve	230	50/60	0.070/0.060	2300/2800	14/12	21/25	4/4.8	29/34	12
92X92X25mm (Pack size: 50 Nos.)										
9A115HBAC	Ball	115	50/60	0.210/0.180	2300/2800	14/14	36/42	5/6	36/38	15
9A115HSAC	Sleeve	115	50/60	0.210/0.180	2300/2800	14/14	36/42	5/6	36/38	15
9A230HBAC	Ball	230	50/60	0.070/0.060	2300/2800	14/12	36/42	5/6	36/38	15
9A230HSAC	Sleeve	230	50/60	0.070/0.060	2300/2800	14/12	36/42	5/6	36/38	15
120X120X38mm (Pack size: 40 Nos.)										
12A24HBAC	Ball	24	50/60	1/0.9	2650/2800	18/17	95/102	8.4/9.4	43/46	20
12A24HSAC	Sleeve	24	50/60	1/0.9	2650/2800	18/17	95/102	8.4/9.4	43/46	20
12A115HBAC	Ball	115	50/60	0.170/0.145	2650/2800	14/12	95/102	8.4/9.4	43/46	20
12A115HSAC	Sleeve	115	50/60	0.170/0.145	2650/2800	14/12	95/102	8.4/9.4	43/46	20
12A230HBAC	Ball	230	50/60	0.100/0.090	2650/2800	18/17	95/102	8.4/9.4	43/46	20

Note:
- **Weight mentioned is for the pack size.**
- **Ask for Low Noise versions**

Specifications subject to change without notice

Compact Fans - AC

Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
12A230HSAC	Sleeve	230	50/60	0.100/0.090	2650/2800	18/17	95/102	8.4/9.4	43/46	20
12A415HBAC	Ball	415	50/60	0.070/0.060	2650/2800	20/20	95/102	8.4/9.4	43/46	20
12A415HSAC	Sleeve	415	50/60	0.070/0.060	2650/2800	20/20	95/102	8.4/9.4	43/46	20
172 Φ x151x51mm & 172x172x55mm (Pack size: 20 Nos.)										
17A115HBAC	Ball	115	50/60	0.450/0.450	2600/2750	41/38	190/235	16/21	52/55	20
17A115HSAC	Sleeve	115	50/60	0.450/0.450	2600/2750	41/38	190/235	16/21	52/55	20
17A230HBAC	Ball	230	50/60	0.250/0.245	2600/2750	38/37	190/235	16/21	52/55	20
17A230HSAC	Sleeve	230	50/60	0.250/0.245	2600/2750	38/37	190/235	16/21	52/55	20
17A415HBAC	Ball	415	50/60	0.125/0.125	2600/2750	38/38	190/235	16/21	52/55	20
17A415HSAC	Sleeve	415	50/60	0.125/0.125	2600/2750	38/38	190/235	16/21	52/55	20
220 Φ X60mm & 220X220X60mm (Pack size: 10 Nos.)										
22A115HBAC	Ball	115	50	0.640	2300	50	360	23	56	16
22A115HSAC	Sleeve	115	50	0.640	2300	50	360	23	56	16
22A115HBAC-X	Ball	115	50	0.650	2600	55	430	28	56	16

Note:
- **Weight mentioned is for the pack size.**
- **Ask for Low Noise versions**
- **17A and 22A models available in square and round casings**

Specifications subject to change without notice

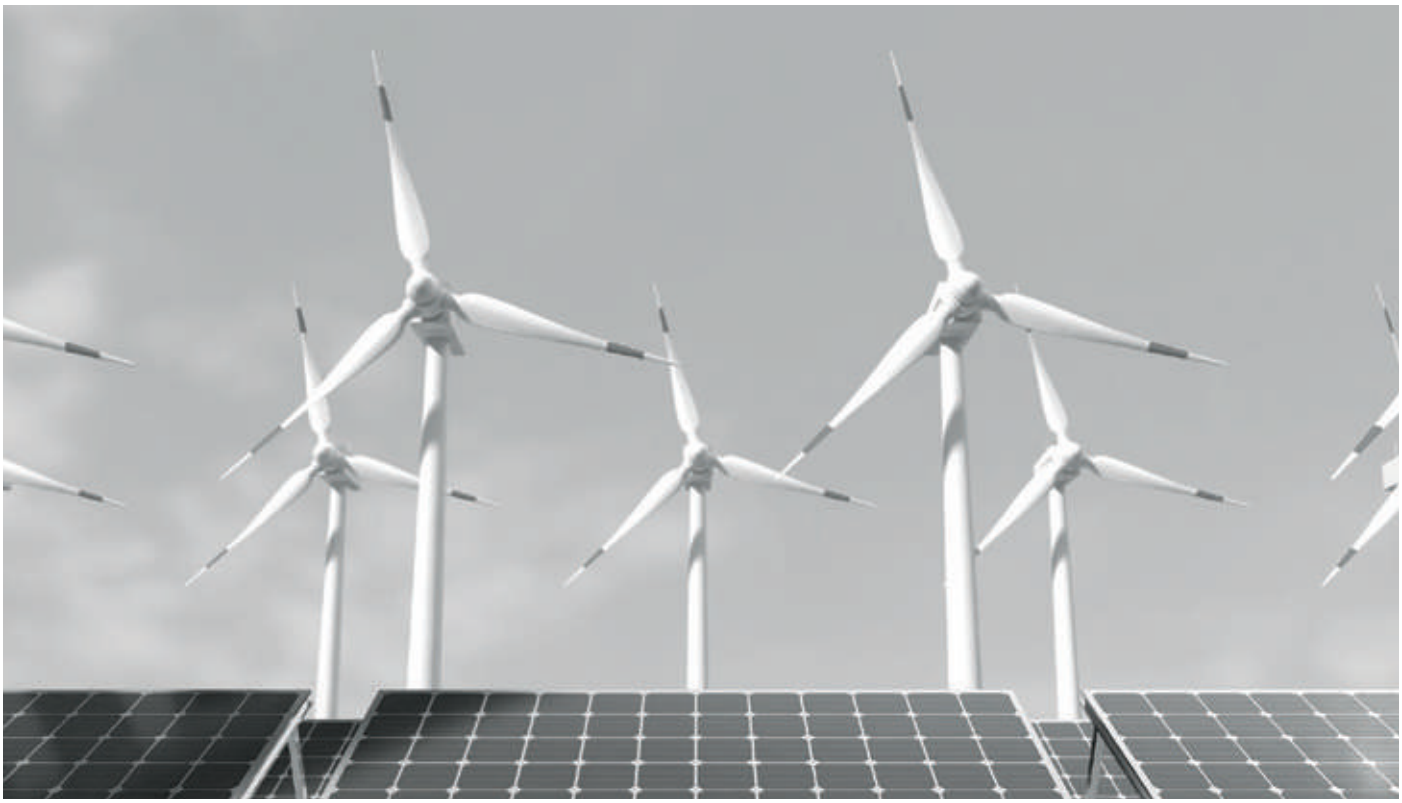
Compact Fans - AC

Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
22A115HBAC-X-6H	Ball	115	60	0.700	2600	55	430	28	56	16
22A230HBAC	Ball	230	50	0.320	2300	50	360	23	56	16
22A230HSAC	Sleeve	230	50	0.320	2300	50	360	23	56	16
22A230HSAC-X	Sleeve	230	50	0.320	2600	55	430	28	56	16
22A230HSAC-X-6H	Sleeve	230	60	0.400	2700	60	450	29	57	16
22A230HBAC-X	Ball	230	50	0.320	2600	55	430	28	56	16
22A230HBAC-X-6H	Ball	230	60	0.400	2700	60	450	29	57	16
22A415HBAC	Ball	415	50	0.200	2300	50	360	23	56	16
22A415HSAC	Sleeve	415	50	0.200	2300	50	360	23	56	16
22A415HSAC-X	Sleeve	415	50	0.160	2600	50	430	28	56	16
22A415HBAC-X	Ball	415	50	0.160	2600	50	430	28	56	16

Note:
- **Weight mentioned is for the pack size.**
- **Ask for Low Noise versions**
- **17A and 22A models available in square and round casings**

Specifications subject to change without notice

Compact Fans - EC



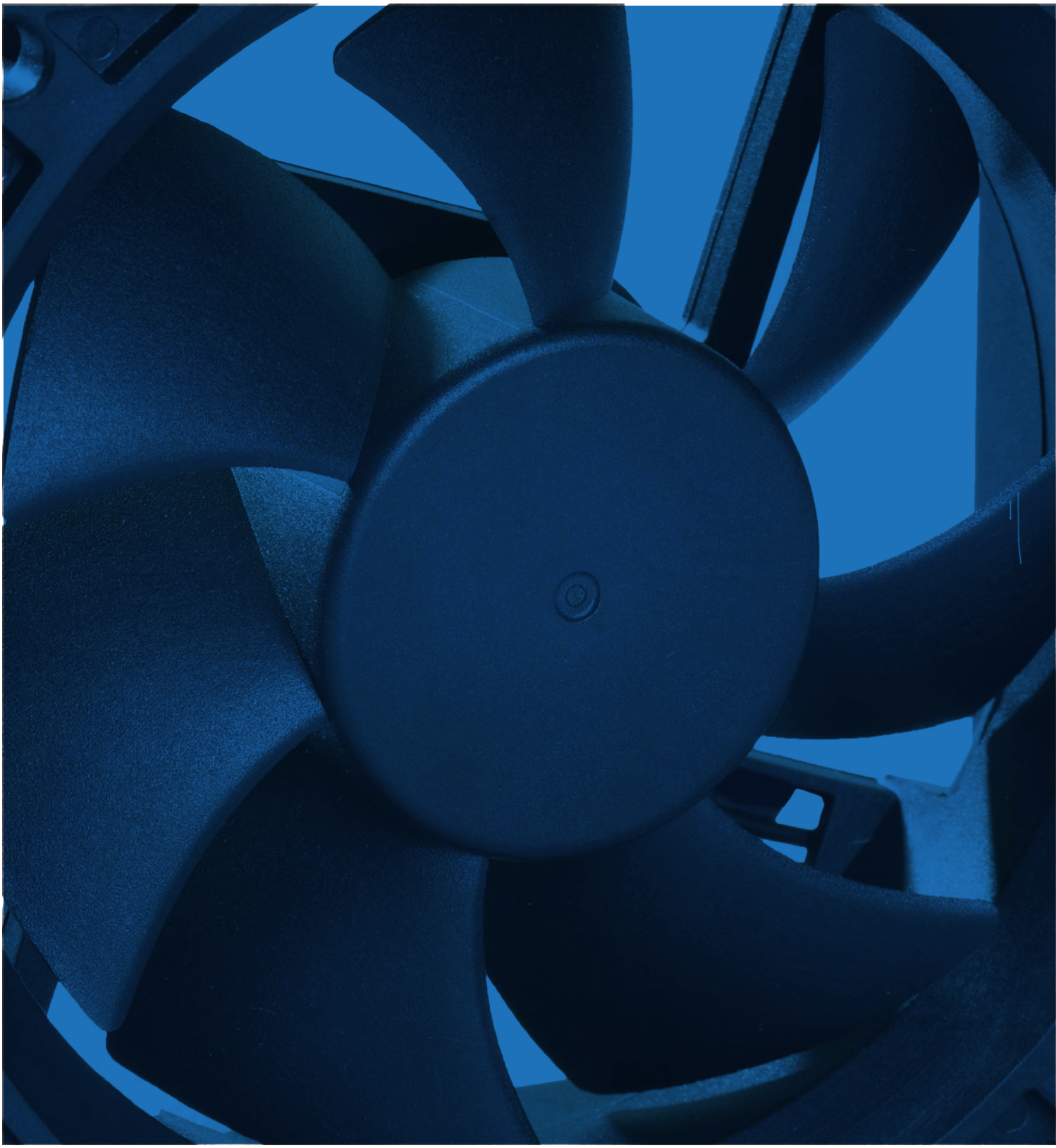
Compact Fans - EC

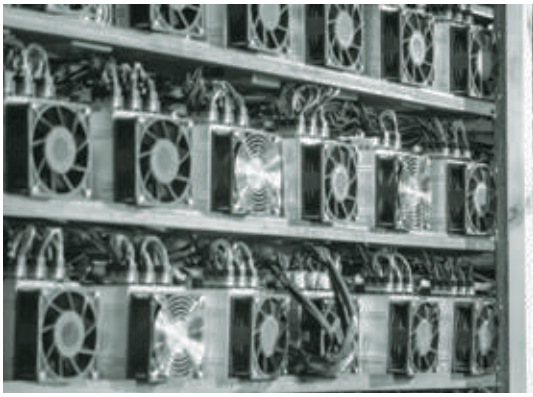
Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
120X120X38mm (Pack size: 40 Nos.)										
12P115HBEC	Ball	115	50/60	0.05	2600	5.5	95	7	43	11
12P115HSEC	Sleeve	115	50/60	0.05	2600	5.5	95	7	43	11
12P230HBEC	Ball	230	50/60	0.04	2600	5.5	95	7	43	11
12P230HSEC	Sleeve	230	50/60	0.04	2600	5.5	95	7	43	11
12P230HBEC-1X	Ball	230	50/60	0.05	2900	5.5	105	7	43	11
12P230HSEC-1X	Sleeve	230	50/60	0.05	2900	5.5	105	7	43	11
B12038230H	Ball	230	50/60	0.250	4500	30	243	29.2	64	11
172X151X51mm (Pack size: 20 Nos.)										
17A115HBEC	Ball	115	50/60	0.14	2600	12	190	16	52	20
17A115HSEC	Sleeve	115	50/60	0.14	2600	12	190	16	52	20
17A230HBEC	Ball	230	50/60	0.150	2600	12	190	11.21	56.3	20
17A230HSEC	Sleeve	230	50/60	0.150	2600	12	190	11.21	56.3	20
17A230BEC-X	Ball	230	50/60	0.250	3250	16	210	17.73	59.9	20
220X60mm (Pack size: 10 Nos.)										
22A115HBEC	Ball	115	50/60	0.22	2500	22	405	24	56	16
22A230HBEC	Ball	230	50/60	0.17	2500	22	405	24	56	16

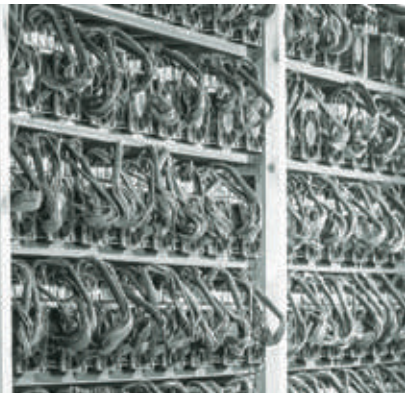
Note:

- **17A and 22A fan models are non-standard and custom-made to order.**
- **Weight mentioned is for the pack size.**

Compact Fans - DC Brushless







Compact Fans - DC Brushless

Model	Bearing	Voltage (VDC)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
50X50X15mm / 50X50X20mm (Pack size: 200 Nos.)									
5P12HSDC-15	Sleeve	12	0.140	6000	1.68	18.80	6.80	37.20	10
5P12HSDC-15	Sleeve	12	0.150	7600	1.8	21.00	12.20	40.00	10
5P24HBDC-20	Ball	24	0.150	7500	3.6	20.50	12.20	40.00	10
60X60X25mm (Also available 60X60X15mm and 60X60X20mm) (Pack size: 200 Nos.)									
6P12HSDC	Sleeve	12	0.110	4300	1.32	18	3.8	33	10
6P12HBDC	Ball	12	0.080	4300	0.96	18	3.8	33	10
6P12HSDC-X	Sleeve	12	0.120	5000	1.44	21	4.0	35	10
6P12HBDC-X	Ball	12	0.120	5000	1.44	21	4.0	35	10
6P12HSDC-1X	Sleeve	12	0.130	6000	1.56	32	8.5	41	10
6P12HBDC-1X	Ball	12	0.130	6000	1.56	32	8.5	41	10
6P24HSDC	Sleeve	24	0.060	4300	1.44	18	3.8	33	10

Additional Features - Fan Failure Alarm ■ Alarm Signal For Speed Monitoring ■ PWM ■ Higher Air Flow ■ Non-standard voltages ■

Note:
- **Weight mentioned is for the pack size.**
- **17A and 22A models available in square and round casings**

Compact Fans - DC Brushless

Model	Bearing	Voltage (VDC)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
60X60X25mm (Also available 60X60X15mm and 60X60X20mm) (Pack size: 200 Nos.)									
6P24HBDC	Ball	24	0.060	4300	1.44	18	3.8	33	10
6P24HSDC-X	Sleeve	24	0.065	5000	1.56	21	4.0	35	10
6P24HBDC-X	Ball	24	0.065	5000	1.56	21	4.0	35	10
6P24HSDC-1X	Sleeve	24	0.070	6000	1.68	32	8.5	41	10
6P24HBDC-1X	Ball	24	0.070	6000	1.68	32	8.5	41	10
80X80X25mm (Available upto 58 CFM) (Pack size: 200 Nos.)									
8P12HSDC-L	Sleeve	12	0.120	3000	1.44	39	3.8	32	15
8P12HBDC-L	Ball	12	0.120	3000	1.44	39	3.8	32	15
8P12HSDC-X	Sleeve	12	0.140	3200	1.68	41	4.5	33	15
8P12HBDC-X	Ball	12	0.140	3200	1.68	41	4.5	33	15
8P12HSDC-1X	Sleeve	12	0.150	3600	1.80	47	4.8	38	15
8P12HBDC-1X	Ball	12	0.150	3600	1.80	47	4.8	38	15
8P12HSDC-2X	Sleeve	12	0.300	4000	3.60	52	5.0	41	15
8P12HBDC-2X	Ball	12	0.300	4000	3.60	52	5.0	41	15
8P24HSDC-L	Sleeve	24	0.060	3000	1.44	39	3.8	32	15
8P24HBDC-L	Ball	24	0.060	3000	1.44	39	3.8	32	15
8P24HSDC-X	Sleeve	24	0.085	3200	2.04	41	4.5	33	15

Additional Features - Fan Failure Alarm ■ Alarm Signal For Speed Monitoring ■ PWM ■ Higher Air Flow ■ Non-standard voltages ■

Note:
■ Weight mentioned is for the pack size. ■ 17A and 22A models available in square and round casings

Compact Fans - DC Brushless

Model	Bearing	Voltage (VDC)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
80X80X25mm (Available upto 58 CFM) (Pack size: 200 Nos.)									
8P24HBDC-X	Ball	24	0.085	3200	2.04	41	4.5	33	15
8P24HSDC-1X	Sleeve	24	0.110	3600	2.64	47	4.8	38	15
8P24HBDC-1X	Ball	24	0.110	3600	2.64	47	4.8	38	15
8P24HBDC-2X	Ball	24	0.140	4000	3.36	52	5.0	41	15
8P24HSDC-2X	Sleeve	24	0.140	4000	3.36	52	5.0	41	15
92X92X25mm (Available upto 65 CFM) (Pack size: 100 Nos.)									
9P12HSDC	Sleeve	12	0.220	2800	2.64	60	6	34	12
9P12HBDC	Ball	12	0.220	2800	2.64	60	6	34	12
9P24HSDC	Sleeve	24	0.150	2800	3.60	60	6	34	12
9P24HBDC	Ball	24	0.150	2800	3.60	60	6	34	12
120X120X38mm (Available upto 240 CFM) (Pack size: 40 Nos.)									
12P12HSDC	Sleeve	12	0.550	2700	6.6	105	8	45	11
12P12HBDC	Ball	12	0.550	2700	6.6	105	8	45	11
12P24HSDC	Sleeve	24	0.250	2700	6.0	105	8	45	11
12P24HBDC	Ball	24	0.250	2700	6.0	105	8	45	11
12P24HBDC-1X	Ball	24	0.350	3100	9.6	118	8.50	47	11
12P24HBDC-2X	Ball	24	0.400	3300	14.6	138	13	49	11
12P24HBDC-3X	Ball	24	0.80	4200	19.2	192	17.1	54.6	11

Additional Features - Fan Failure Alarm ■ Alarm Signal For Speed Monitoring ■ PWM ■ Higher Air Flow ■ Non-standard voltages ■

Note:

■ Weight mentioned is for the pack size. ■ 17A and 22A models available in square and round casings

Compact Fans - DC Brushless

Model	Bearing	Voltage (VDC)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
12P48HBDC	Ball	48	0.125	2700	6.0	105	8	45	11
12P48HSDC	Sleeve	48	0.125	2700	6.0	105	8	45	11
12P48HBDC-1X	Ball	48	0.25	3100	12	118	8.50	47	11
12P48HBDC-2X	Ball	48	0.30	3300	14.4	138	9.0	48	11
12P48HBDC-3X	Ball	48	0.48	4200	23.0	190	17.1	54.6	11
12P48HBDC-4X	Ball	48	1.30	5500	63.8	240	47.1	69.5	11
172X151X51mm & 172X172X55mm (Available upto 282 CFM) (Pack size: 20 Nos.)									
17A12HBDC	Ball	12	1.6	3000	19.2	210	13	58	15
17A24HBDC	Ball	24	0.75	3000	18.0	210	13	58	15
17A48HBDC	Ball	48	0.45	3000	21.6	210	13	58	15
220ΦX60mm & 220X220X60mm (Pack size: 10 Nos.)									
22A12HBDC	Ball	12	4.00	2900	48	400	28	62	11
22A24HBDC	Ball	24	1.50	2900	36	400	28	62	11
22A48HBDC	Ball	48	1.00	2900	48	400	28	62	11
22A24HBDC-S20	Ball	24	2.20	3000	52.8	641	24.5	68	11

Additional Features - Fan Failure Alarm ■ Alarm Signal For Speed Monitoring ■ PWM ■ Higher Air Flow ■ Non-standard voltages ■

Note:
- **Weight mentioned is for the pack size.**
- **17A and 22A models available in square and round casings**

Compact Fans - All Metal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Compact Fans - All Metal

AC Axial

Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (mA)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
120 x 120 x 38 mm - Metal (Pack size: 20 Nos.)										
12A230HBAC-M	Ball	230	50/60	100/90	2700/3100	17/15	95/107	8.4/9.4	42/46	12
172 x 150 x 55 mm - Metal (Pack size: 10 Nos.)										
17A230HBAC-M	Ball	230	50/60	250/230	2800/3250	42/42	195/230	14/16	49/53	12
225 x 225 x 80 mm - Metal (Pack size: 8 Nos.)										
225A230HBAC-M	Ball	230	50/60	300/325	2500/2800	65/70	530/600	17/14	59/61	20
225A230HBAC-M-J	Ball	230	50	420	2750	82	600	18.7	60	20
280 x 280 x 80 mm - Metal (Pack size: 6 Nos.)										
280A230HBAC-M	Ball	230	50/60	590/820	2500/2700	119/130	1090/1130	16.5/20	68/70	21

Also available 115VAC & 415VAC

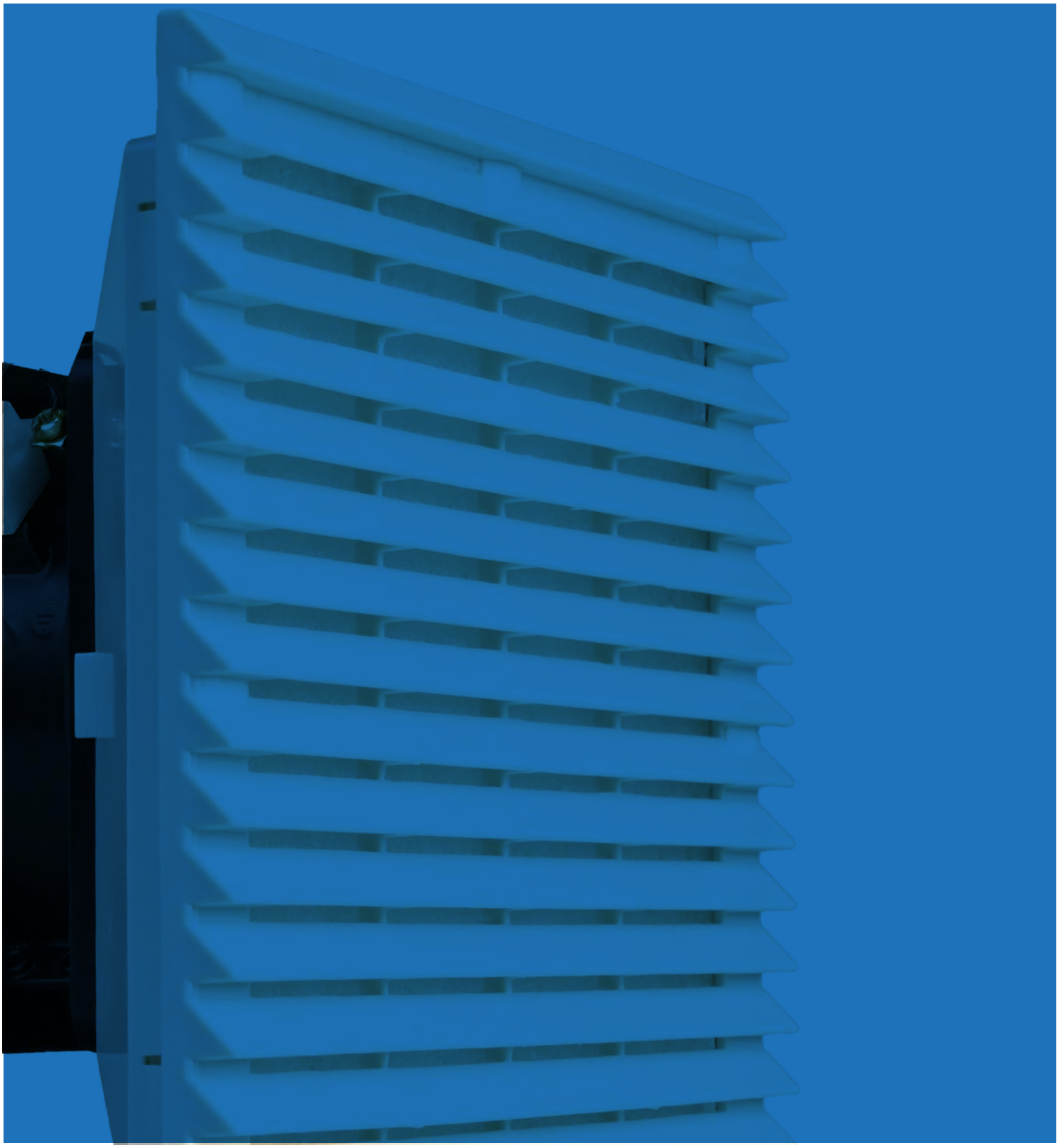
DC Brushless

Model	Bearing	Voltage (VDC)	Current (mA)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
225 x 225 x 80 mm - Metal (Pack size: 6 Nos.)									
225A48HBDC - M	Ball	48	1100	2850	52.8	647	25	67	20
280 x 280 x 80 mm - Metal (Pack size: 6 Nos.)									
280A48HBDC - M	Ball	48	1900	2700	91.2	1130	22	69	21

Note:
■ **Weight mentioned is for the pack size.**

Specifications subject to change without notice

Fan Filter Units



Fan Filter Units

AC Axial

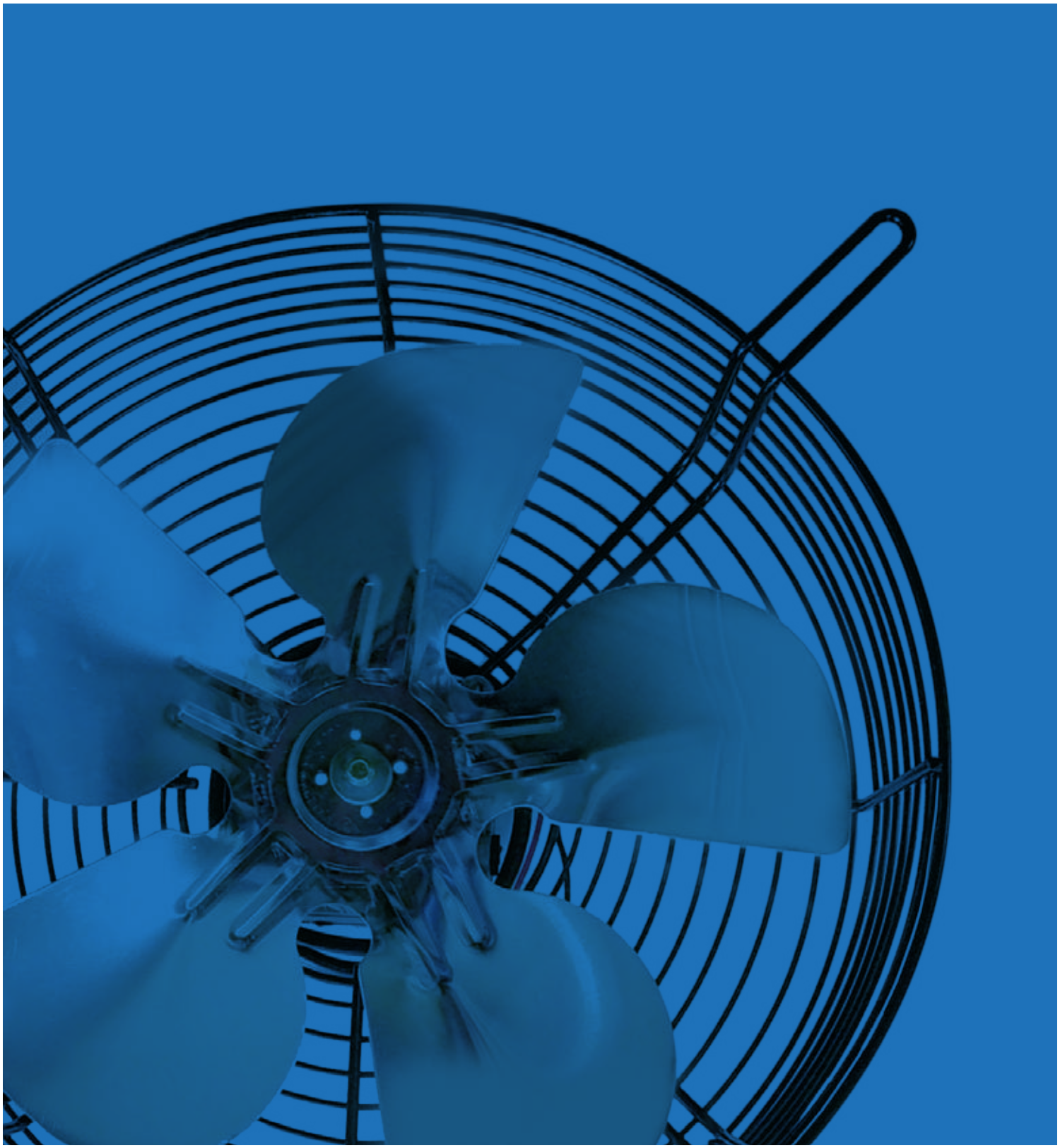
Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Power (W)	Air Flow (CFM) (with filter)	Noise (dBA)	Wt. kg
120 x 120 x 38 mm - Metal (Pack size: 1 No.)								
FFU12000-23-000	Ball	230	50/60	0.120/0.120	19/21	58/67	46/49	1.20
172 x 150 x 55 mm - Metal (Pack size: 1 No.)								
FFU17200-23-000	Ball	230	50/60	0.250/0.230	42/42	132.4/144.2	49/53	2.00
280 x 280 x 80 mm - Metal (Pack size: 1 No.)								
FFU28000-23-000	Ball	230	50/60	0.590/0.820	119/130	412/453.2	68/70	3.00

Also available 115VAC & 415VAC

Note:
- **Weight mentioned is for the pack size.**

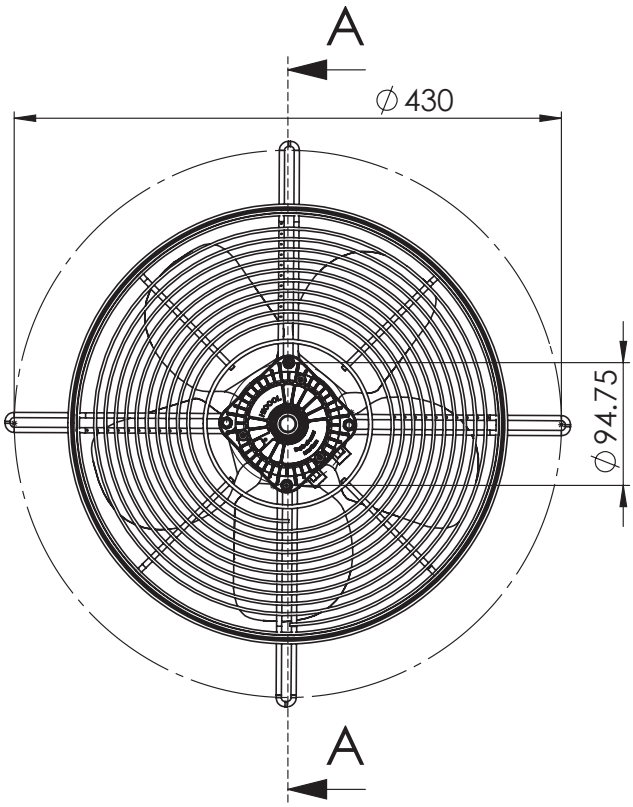
Specifications subject to change without notice

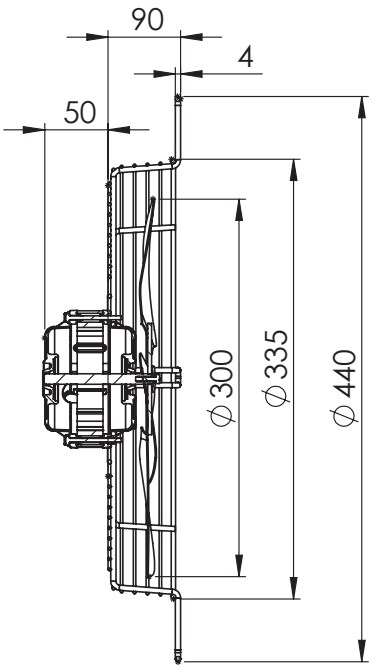
Elevator Cabin Fans



Elevator Cabin Fans

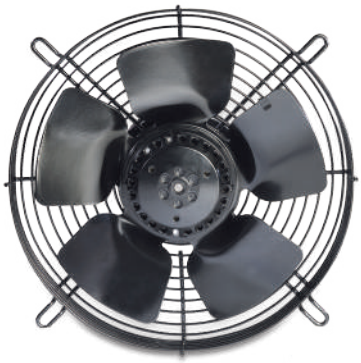
Model	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Power (W)	Fan Blade	Airflow (M^3/hr)
83A230SAC-10-EF	230	50	0.35	1200	55	300/22°	1100





Large Axial Fans

Large Axial Fans



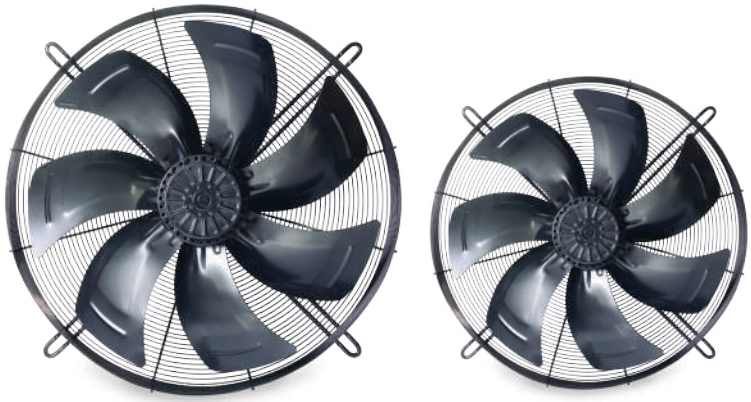
Model	Size in inch	Poles	Phase	Voltage (VAC)	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Airflow (CFM)	Noise dBA	Capacitor µf	wt Kg
2E-200	8	2	Single	230	0.30	65	2400	850	500	55	2	2.5
4E-200	8	4	Single	230	0.21	45	1450	450	265	46	1.5	2.5
4D-200	8	4	Three	415	0.12	35	1450	450	265	46	-	2.5
2D-200	8	2	Three	415	0.22	80	2400	850	500	55	-	2.5
2E-250	10	2	Single	230	0.55	115	2400	1730	1018	65	3/3.15	3.0
4E-250	10	4	Single	230	0.30	60	1400	950	559	53	2	3.0
4D-250	10	4	Three	415	0.25	60	1400	950	559	53	-	3.0
2D-250	10	2	Three	415	0.25	115	2400	1730	1018	65	-	3.0
2E-300	12	2	Single	230	0.65	145	2300	2300	1354	65	4	3.3
4E-300	12	4	Single	230	0.42	85	1380	1850	1089	54	3/3.15	3.3
4D-300	12	4	Three	415	0.22	80	1380	1850	1089	54	-	3.3
2D-300	12	2	Three	415	0.35	145	2300	2300	1354	65	-	3.3
4E-350	14	4	Single	230	0.65	140	1380	2600	1530	58	4	4.9
4D-350	14	4	Three	415	0.38	140	1380	2600	1530	58	-	4.9
4E-400	16	4	Single	230	0.82	180	1380	4000	2354	65	6	5.6
6E-400	16	6	Single	230	0.52	108	920	3300	1942	59	3	5.6
4D-400	16	4	Three	415	0.47	180	1380	4000	2354	65	-	5.6

Note:

- **All models available in Suction (S) and Blowing (B)**
- **Multiple frequency and voltage range options available**
- **Also available in 6 pole motors**
- **Specific models are available in plastic impeller**

Specifications subject to change without notice

Large Axial Fans



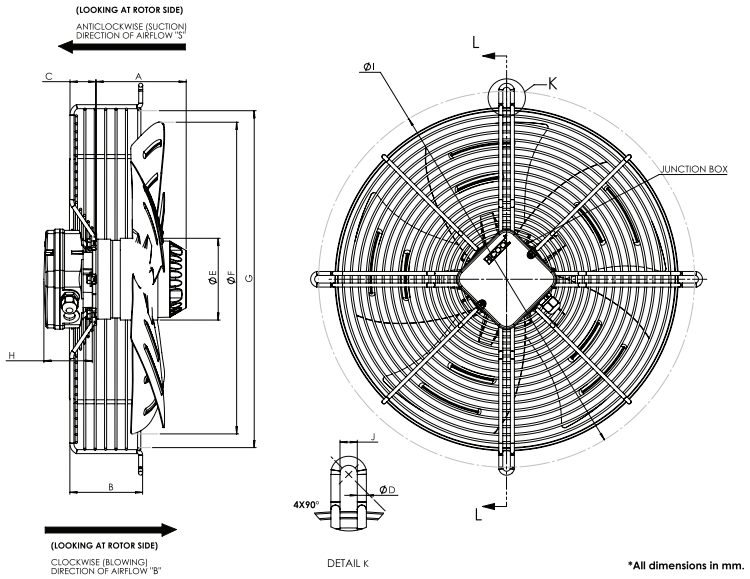
Model	Size in inch	Poles	Phase	Voltage (VAC)	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Airflow (CFM)	Noise dBA	Capacitor µf	wt Kg
4E-450	18	4	Single	230	1.2	250	1380	5500	3237	66	8	7.2
6E-450	18	6	Single	230	0.70	120	920	3780	2223	61	4	7.2
4D-450	18	4	Three	415	0.6	250	1380	5500	3237	66	-	7.2
4E-500	20	4	Single	230	1.75	380	1320	7200	4237	71	10	9.0
6E-500	20	6	Single	230	1.00	180	950	5720	3366	66	8	9.0
4D-500	20	4	Three	415	1.20	450	1410	7400	4355	71	-	9.0
4E-550	22	4	Single	230	2.55	600	1300	8500	5002	72	12	11.0
4D-550	22	4	Three	415	1.15	500	1400	8900	5238	72	-	11.0
4E-600	24	4	Single	230	3.2	700	1360	10040	5909	74	16	14.0
4D-600	24	4	Three	415	1.60	765	1370	11000	6478	74	-	14.0
6D-600	24	6	Three	415	1.6	520	950	9885	5818	70	-	14.0
4D-630	25	4	Three	415	1.6	815	1320	12420	7310	75	-	15.0
6D-630	25	6	Three	415	1.6	550	900	11785	6936	71	-	15.0
6D-710	28	6	Three	Δ415	1.9	900	900	15120	8899	73	-	30.0
6D-710	28	6	Three	Y415	1.15	650	730	13050	7681	72	-	30.0
6D-800	32	6	Three	Δ415	2.85	1200	920	20695	12181	75	-	35.0
6D-800	32	6	Three	Y415	1.65	930	770	17635	10380	74	-	35.0

Specifications subject to change without notice

Note:

- **All models available in Suction (S) and Blowing (B)**
- **Multiple frequency and voltage range options available**
- **Also available in 6 pole motors**
- **Specific models are available in plastic impeller**

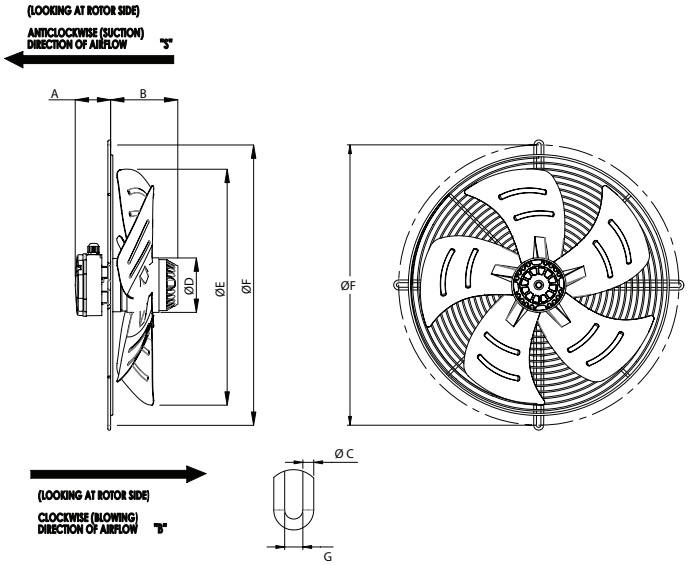
Basket Grill



Dimensions (mm)

Size	A	B	C	D	E	F	G	H	I	J
200	66	45	-	4	92	200	220	60	265	8
250	76	55	-	4	92	250	275	60	325	8
300	86	85	30	4	92	300	320	60	375	8.5
350	104	85	30	5	102	350	370	60	422	9.5
400	117	90	30	5	102	400	420	60	470	9.5
450	130	90	30	6	102	450	470	60	525	9.5
500	129	90	30	6	137	500	520	60	570	10.5
550	144	100	30	6	137	550	570	60	622	10.5
600	164	100	30	7.5	137	600	620	60	680	10.5
630	164	100	30	7.5	137	630	650	60	750	10.5
710	191	175	55	10	180	703	770	60	840	11.5
800	191	175	55	10	180	784	857	60	920	14.0

Flat Grill



Dimensions (mm)

Size	A	B	C	D	E	F	G
200	60	66	4	92	200	265	8.5
250	60	76	4	92	250	325	8.5
300	60	86	4	92	300	365	8.5
350	60	109	5	102	350	422	10
400	60	122	5	102	400	470	10
450	60	135	5	102	450	522	10
500	60	133	6	137	500	570	11.5
550	60	143	6	137	550	625	11.5

AxiEC Fans

AxiEC - Range

Model	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Nominal Input Power (W)	Speed (RPM)	Airflow (M^3/hr)	Noise (dBA)
G1HE300P-J2-100	Single	230	50/60	0.82	115	1750	2600	66
G1HE300.1P-J2-100	Single	230	50/60	1.25	180	2100	3100	70
G1HE350P-J2-100	Single	230	50/60	0.72	100	1200	2600	63
G1HE350.1P-J2-100	Single	230	50/60	1.20	170	1550	3300	65
G1HE400P-J2-100	Single	230	50/60	1.04	145	1100	3800	68
G1HE400.1P-J2-100	Single	230	50/60	1.78	255	1400	5300	70
F1HE400.2P-J2-100	Single	230	50/60	3.20	500	1700	5800	73
G1HE450P-J2-100	Single	230	50/60	1.13	170	980	5400	65
G1HE450.1P-J2-100	Single	230	50/60	2.33	350	1300	6000	67
G1HE500P-J2-100	Single	230	50/60	1.95	290	1010	6000	70
G1HE500.1P-J2-100	Single	230	50/60	2.80	600	1350	7550	72
G1HE630P-J2-100	Single	230	50/60	1.72	250	800	8000	62
V2HE710P-J2-100	Three	400	50/60	1.95	1200	1010	17100	73

■ **Fan models available with and without frames**

AxiEC - Range

Model	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Nominal Input Power (W)	Speed (RPM)	Airflow (M^3/hr)	Noise (dBA)
G1HE250S-J2-100	Single	230	50/60	1.13	160	2720	1900	70
G1HE250.1S-J2-100	Single	230	50/60	1.30	190	3050	1950	79
G1HE300.1S-J2-100	Single	230	50/60	0.82	120	1800	2350	64
G1HE330S-J2-100	Single	230	50/60	1.00	140	1660	2350	68
G1HE350.1S-J2-100	Single	230	50/60	1.16	170	1500	3400	67
G1HE400.2S-J2-100	Single	230	50/60	2.80	430	1700	5200	70
G1HE450S-J2-100	Single	230	50/60	2.71	410	1550	5900	71
G1HE450.1S-J2-100	Single	230	50/60	2.70	410	1300	6500	70
G1HE500.1S-J2-100	Single	230	50/60	3.20	700	1400	8600	72
G2HE500.2S-J2-100	Three	400	50/60	1.60	940	1600	9600	74

■ **Fan models available with and without frames**

AxiEC - Range

Model	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Nominal Input Power (W)	Speed (RPM)	Airflow (M^3/hr)	Noise (dBA)
G1HE550S-J2-100	Single	230	50/60	1.90	400	1000	8000	67
G2HE550.1S-J2-100	Three	400	50/60	1.50	900	1350	10100	75
G1HE630.1S-J2-100	Single	230	50/60	1.90	400	820	9800	65
G2HE630.2S-J2-100	Three	400	50/60	1.30	720	1000	11500	71
V2HE630.3A-J2-100	Three	400	50/60	5.70	3500	1520	21500	85
V2HE710.1A-J2-100	Three	400	50/60	3.70	2450	1250	20000	85
V2HE800-J1-100	Three	400	50/60	3.10	1850	1100	24500	82
V2HE800A-J2-100	Three	400	50/60	4.10	2630	1020	25500	82
V2HE910-J1-100	Three	400	50/60	3.00	1990	1020	33000	84
V2HE910A-J2-100	Three	400	50/60	3.50	2220	880	30000	79

■ **Fan models available with and without frames**

Ventilation Fans


WC

Propeller Fans

Model	Size in inch	Poles	Phase	Voltage (VAC)	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Airflow (CFM)	Noise (dBA)	Capacitor (µF)	wt (Kg)
HV2E200SSFPF	8	2	Single	230	0.3	65	2400	850	500	55	2	3
HV4E200SSFPF	8	4	Single	230	0.21	45	1450	450	265	46	1.5	3
HV2E250SSFPF	10	2	Single	230	0.55	115	2400	1730	1018	65	3/3.15	4
HV4E250SSFPF	10	4	Single	230	0.3	60	1400	950	559	53	2	4
HV2E300SSFPF	12	2	Single	230	0.66	145	2300	2300	1354	65	4	5
HV4E300SSFPF	12	4	Single	230	0.42	85	1380	1850	1089	54	3/3.15	5
HV4E350SSFPF	14	4	Single	230	0.65	140	1380	2600	1530	58	4	7
HV4D350SSFPF	14	4	Three	415	0.38	140	1380	2600	1530	58	--	7
HV4E400SSFPF	16	4	Single	230	0.82	180	1380	4000	2354	65	6	9
HV4D400SSFPF	16	4	Three	415	0.47	180	1380	4000	2354	65	--	9
HV4E450SSFPF	18	4	Single	230	1.2	250	1380	5500	3237	66	8	10
HV4D450SSFPF	18	4	Three	415	0.6	250	1380	5500	3237	66	--	10
HV4E500SSFPF	20	4	Single	230	1.75	380	1320	7200	4237	71	10	15
HV4D500SSFPF	20	4	Three	415	1.2	450	1410	7400	4355	71	--	15
HV4E550SSFPF	22	4	Single	230	2.55	600	1300	8500	5002	72	12	18
HV4D550SSFPF	22	4	Three	415	1.15	500	1400	8900	5238	72	--	18
HV4E600SSFPF	24	4	Single	230	3.2	700	1360	10040	5909	74	16	22
HV4D600SSFPF	24	4	Three	415	1.60	765	1370	11000	6478	74	--	22
HV4E630SSFPF	25	4	Single	230	3.5	750	1360	11785	6936	75	16	26
HV4D630SSFPF	25	4	Three	415	1.6	815	1320	12420	7310	75	--	26

Note:

- **All models available in Suction (S) and Blow (B)**
- **Multiple frequency and voltage range options available**
- **Also available in 6 pole motors**

Tube Axial Fans


AC
AE

Tube Axial Fans

Model	Size in inch	Poles	Phase	Voltage (VAC)	Frequency	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Airflow (CFM)	Noise dBA	Capacitor µf
2E-300	12	2	Single	230	50	0.65	145	2300	2300	1354	65	4
2D-300	12	2	Three	415	50	0.35	145	2300	2300	1354	65	-
4E-300	12	4	Single	230	50/60	0.42/0.50	85/115	1380/1550	1850/2100	1089/1240	54/56	3
4D-300	12	4	Three	415	50	0.22	75	1380	1850	1089	54	-
4E-350	14	4	Single	230	50/60	0.65/0.76	140/170	1380/1550	2600/2900	1530/1710	58	4
4D-350	14	4	Three	415	50/60	0.38/0.50	140/170	1380/1550	2600/2900	1530/1710	58	-
4E-400	16	4	Single	230	50/60	0.82/0.92	180/207	1380/1520	4000/4400	2354/2590	65	6
4D-400	16	4	Three	415	50/60	0.47/0.50	180/207	1380/1520	4000/4400	2354/2590	65	-
6E-400	16	6	Single	230	50	0.52	108	920	3300	1942	59	4
4E-450	18	4	Single	230	50/60	1.2/1.23	250/285	1380/1580	5500/6300	3237/3708	66	8
4D-450	18	4	Three	415	50/60	0.6/0.75	250/285	1380/1580	5500/6300	3237/3708	66	-
6E-450	18	6	Single	230	50	0.75	138	920	3780	2223	61	4
6D-450	18	6	Three	415	50	0.4	138	920	3780	2223	61	-
4E-500	20	4	Single	230	50	1.75	380	1320	7200	4237	71	10
4D-500	20	4	Three	415	50	1.2	450	1410	7400	4355	71	-
6E-500	20	6	Single	230	50	0.7	180	950	5720	3366	66	8
6D-500	20	6	Three	415	50	0.51	195	910	5840	3437	66	-

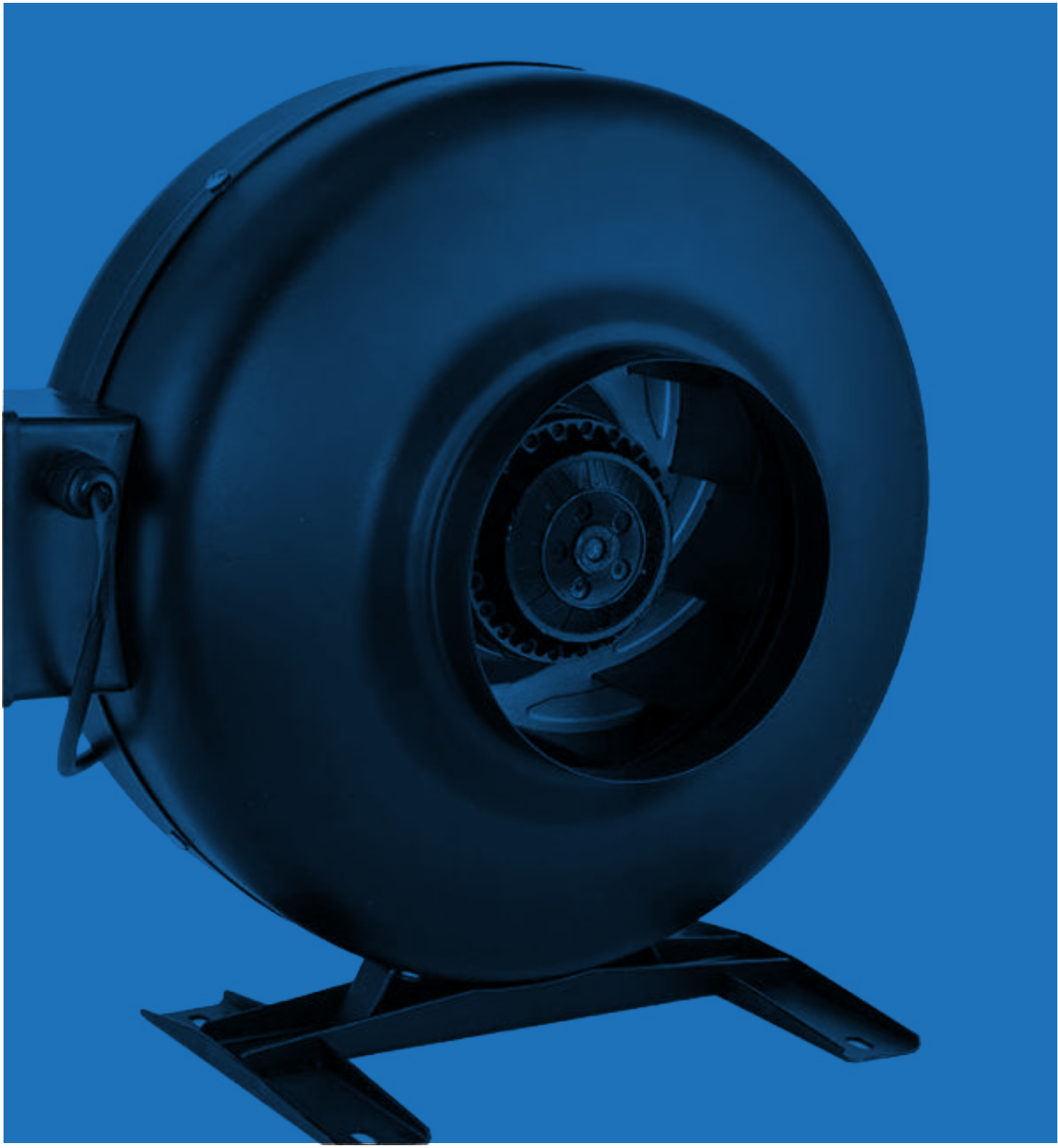
Specifications subject to change without notice

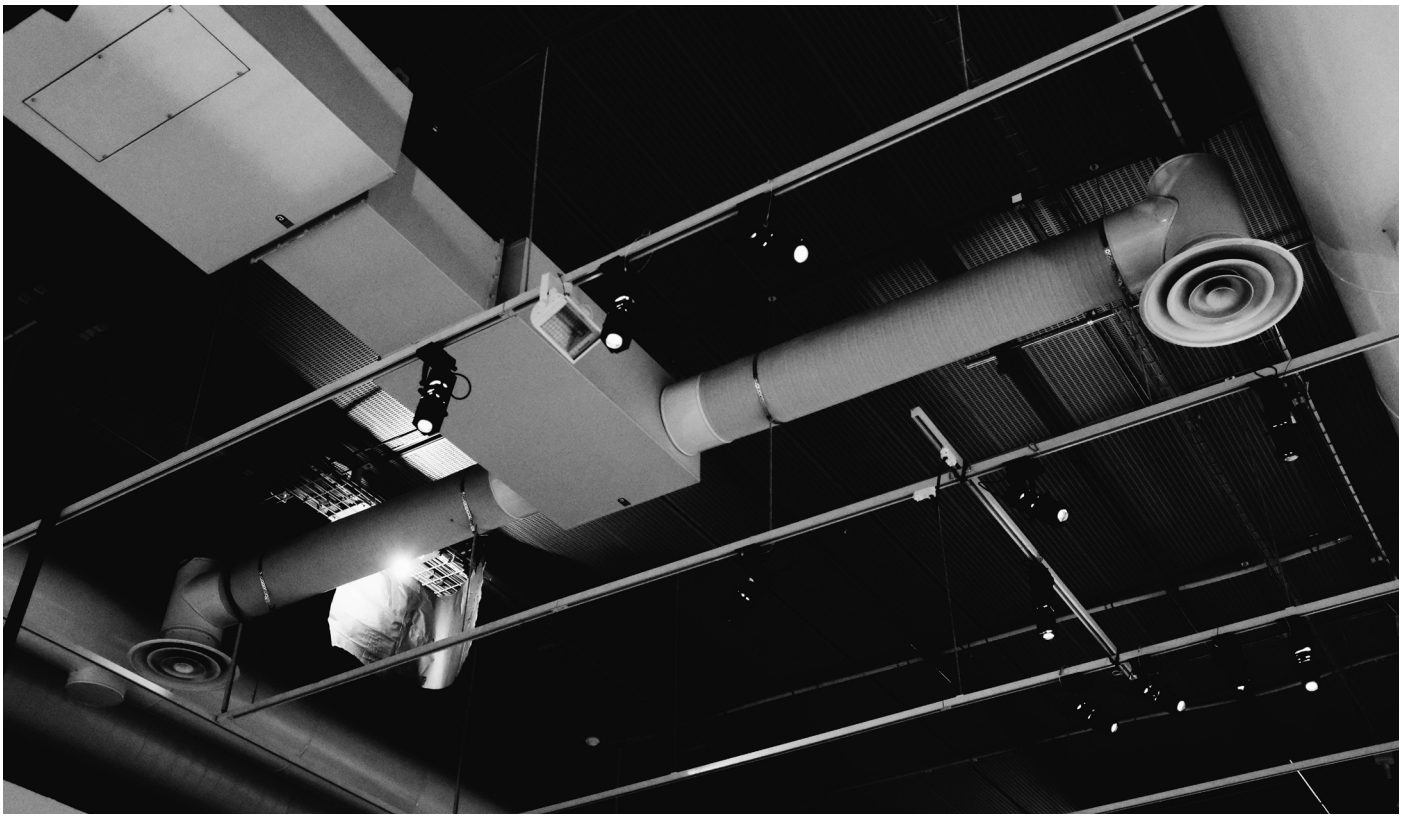
Tube Axial Fans

Model	Size in inch	Poles	Phase	Voltage (VAC)	Frequency	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Airflow (CFM)	Noise dBA	Capacitor µf
4E-600	24	4	Single	230	50	3.2	700	1360	10040	5909	74	16
4D-600	24	4	Three	415	50	1.6	765	1370	11000	6478	74	-
6D-600	24	6	Three	415	50	1.46	520	950	9285	6054	70	-
4E-630	25	4	Single	230	50	3.2	750	1360	11435	6730	75	16
4D-630	25	4	Three	415	50	1.6	815	1320	12420	7310	75	-
6E-630	25	6	Single	230	50	1.8	380	900	10515	6188	71	12
6D-630	25	6	Three	415	50	1.6	550	900	11785	6936	71	-

Specifications subject to change without notice

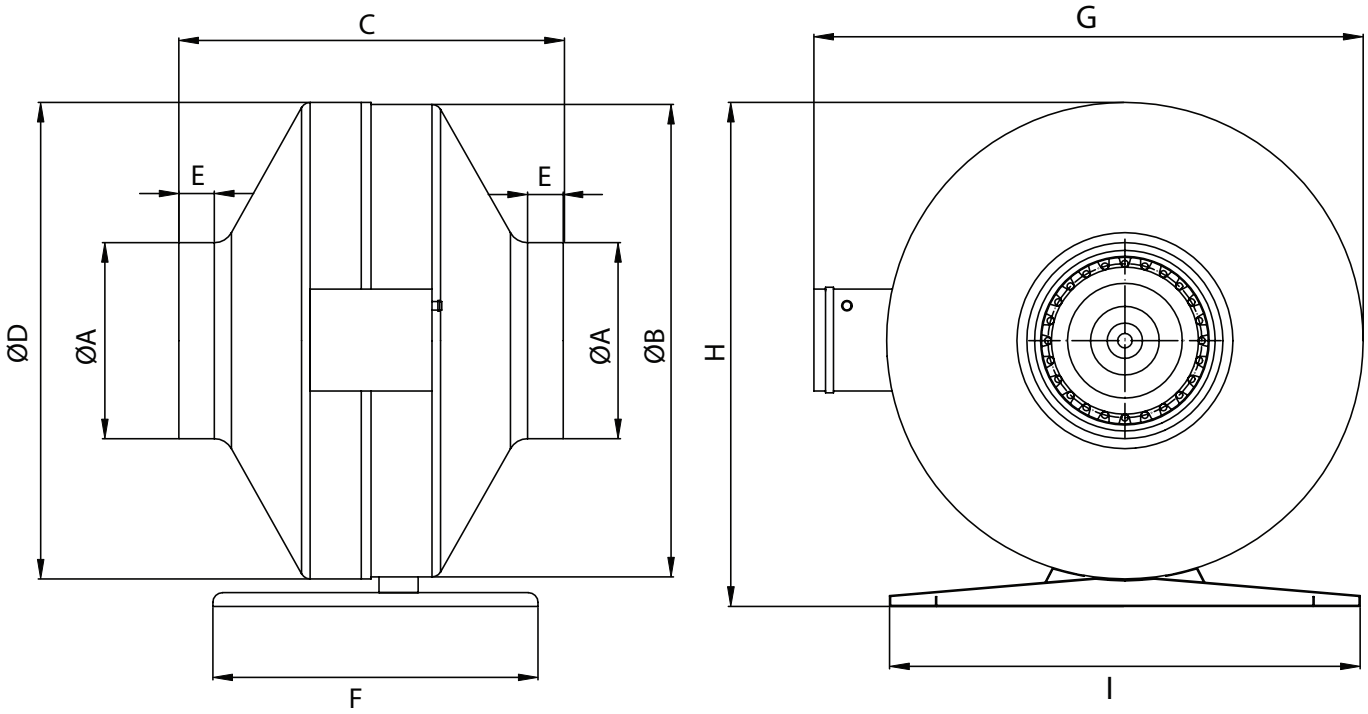
Inline Duct Fans





Inline Duct Fans

Model	Size mm	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Noise dBA	Cap µf/450V	wt Kg	Pack Size
IDF-150	Φ175 x 62	Single	230	50/60	0.55/0.65	125/145	2370/2500	750/810	47/50	3.15	4.6	1
IDF-200	Φ192 x 63	Single	230	50/60	0.70/0.85	160/185	2500/2600	900/940	52/55	4	5.7	1
IDF-315	Φ220 x 63	Single	230	50/60	0.95/1.25	210/280	2280/2400	1300/1365	53/56	6	7	1

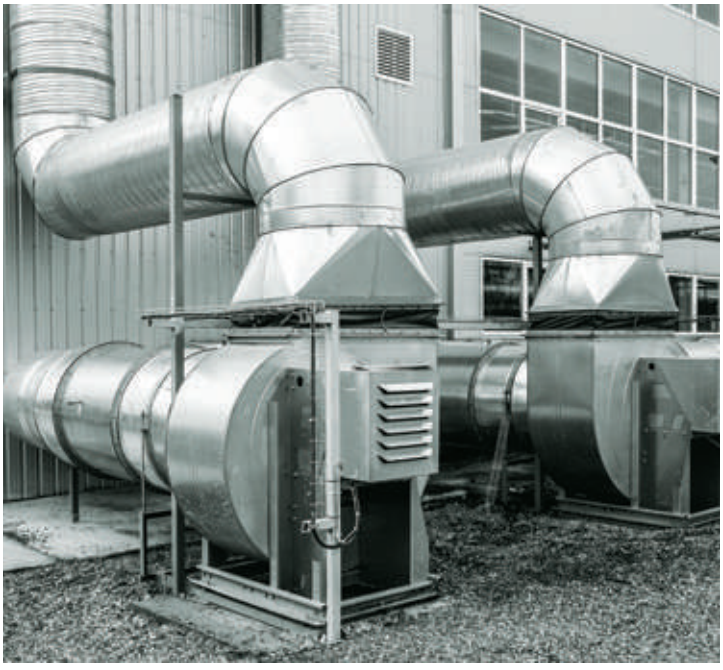


Dimensions (mm)

Model	A	B	C	D	E	F	G	H	I
IDF-150	150	328	220	330	24	160	377	352	240
IDF-200	200	328	215	330	33	160	377	352	240
IDF-315	315	395	245	398	30	160	443	418	240

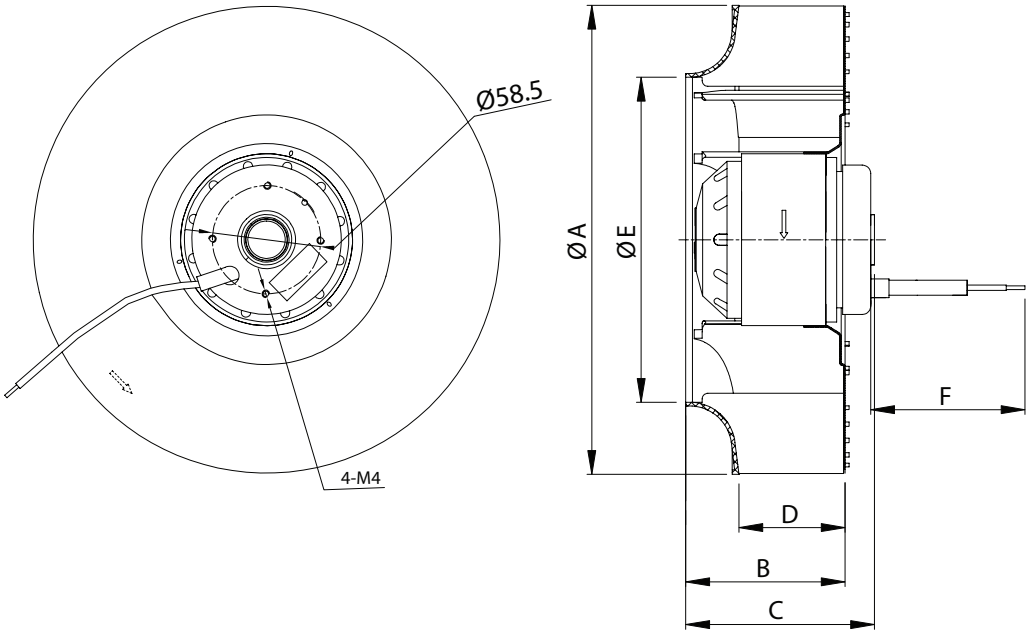
Note:
- **Few sizes available in 3 Phase.**

Backward Curved Fans



Backward Curved Fans

Model	Size mm	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Airflow (M³/hr)	Noise dBA	Cap µf/450V	wt Kg	Pack Size
BCF-133	Φ133 x 53.6	Single	230	50	0.12	23	2550	220	60	1	14	8
BCF-175	Φ175 x 62	Single	230	50/60	0.39/0.34	61/62	2350/2200	440/470	59/62	2	11	8
BCF-190	Φ190 x 63	Single	230	50/60	0.39/0.48	65/80	2400/2800	570/630	62/65	2	14	8
BCF-220	Φ220 x 63	Single	230	50/60	0.4/0.5	110/120	2500/2600	800/865	65/68	3	16	8
BCF-225	Φ225 x 88	Single	230	50	0.57	129	2600	1070	79	4	26	8
BCF-250	Φ252 x 84	Single	230	50/60	0.83/1.13	190/250	2550/2750	1540/1660	74/76	6	26	8
BCF-355	Φ355 x 174	Single	230	50	1.12	245	1400	2800	74	4	15	2
BCF-400	Φ400 x 185	Single	230	50	1.6	370	1370	3653	77	12	13	1

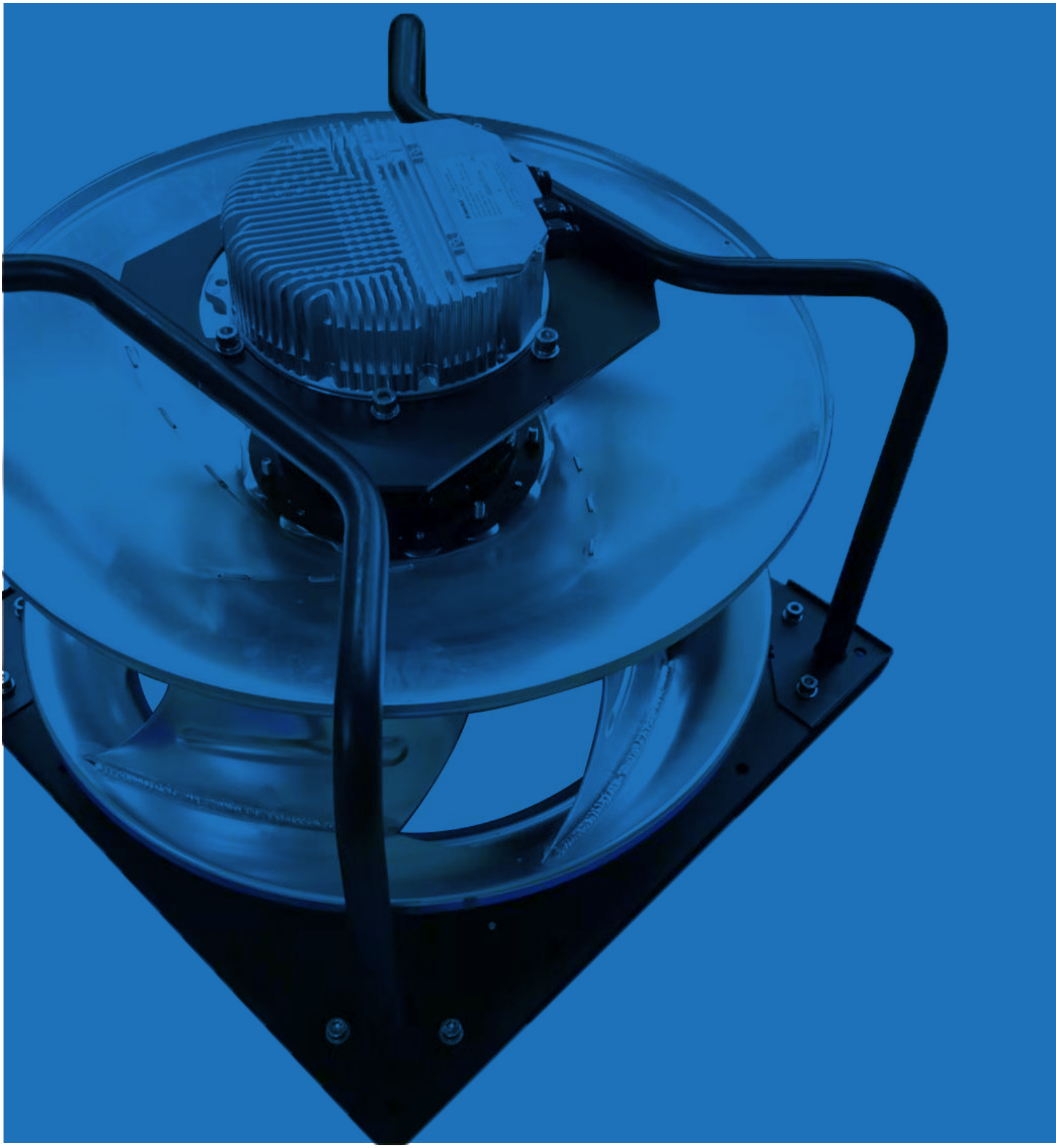


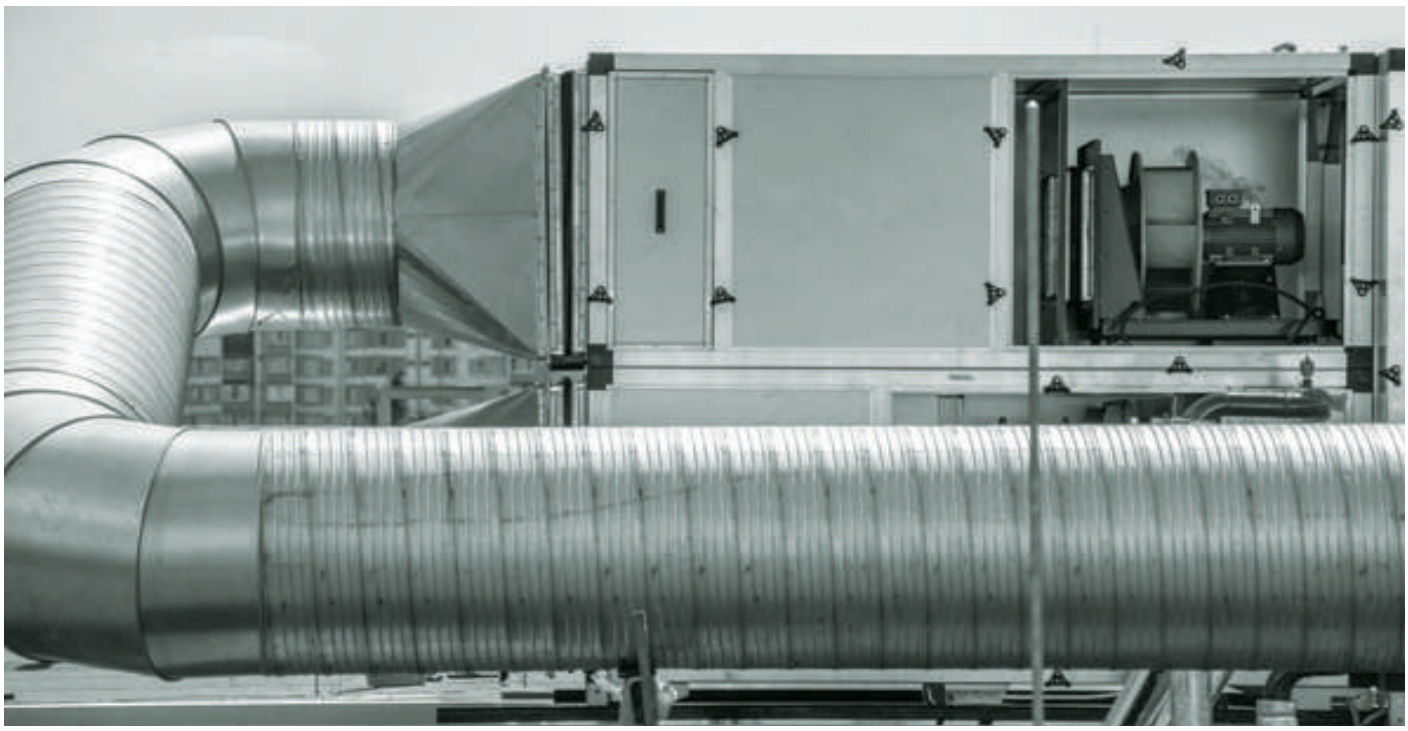
Dimensions (mm)

Model	A	B	C	D	E	F
BCF-133	133	53.6	77.5	42	93	600
BCF-175	175	62	68	44	133	1100
BCF-190	190	63	68	45	130	1100
BCF-220	220	63	72	45	159	1100
BCF-225	225	88	104	63	155	500
BCF-250	252	84.3	102	56	172	900
BCF-355	359	173.5	195	121	250	520
BCF-400	413	185	236	123	270	990

Note:
- **Few sizes available in 3 Phase.**

RadEC Fans





RadEC - Range

Model	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Nominal Input Power (W)	Max. Input Power (W)	Speed (RPM)	Airflow (m^3/hr)	Noise (dBA)	Weight (Kg)
R1HE133-J1-100	Single	230	50/60	0.35	42	58.2	4480	435	63	1.57
R1HE175-J1-100	Single	230	50/60	0.53	72	-	3800	760	71	1.3
R1HE190-J1-100	Single	230	50/60	1.15	160	-	4400	1000	79	1.7
R1HE250-J1-100	Single	230	50/60	1.57	217	278	2990	1730	78	2.4
R1HE310-J1-101	Single	230	50/60	2.3	360	470	2600	2650	78	2.4
T1HE310-J1-100	Single	230	50/60	3.25	513	779	2820	3200	83	12
R2HE310-J1-101	Three	400	50/60	1.8	1010	1366	3500	3900	85	7.5
T2HE310-J1-100	Three	400	50/60	1.7	1010	1460	3500	4150	85	12
R2HE355-J1-100	Three	400	50/60	1.5	800	1100	2350	5300	80	11.5

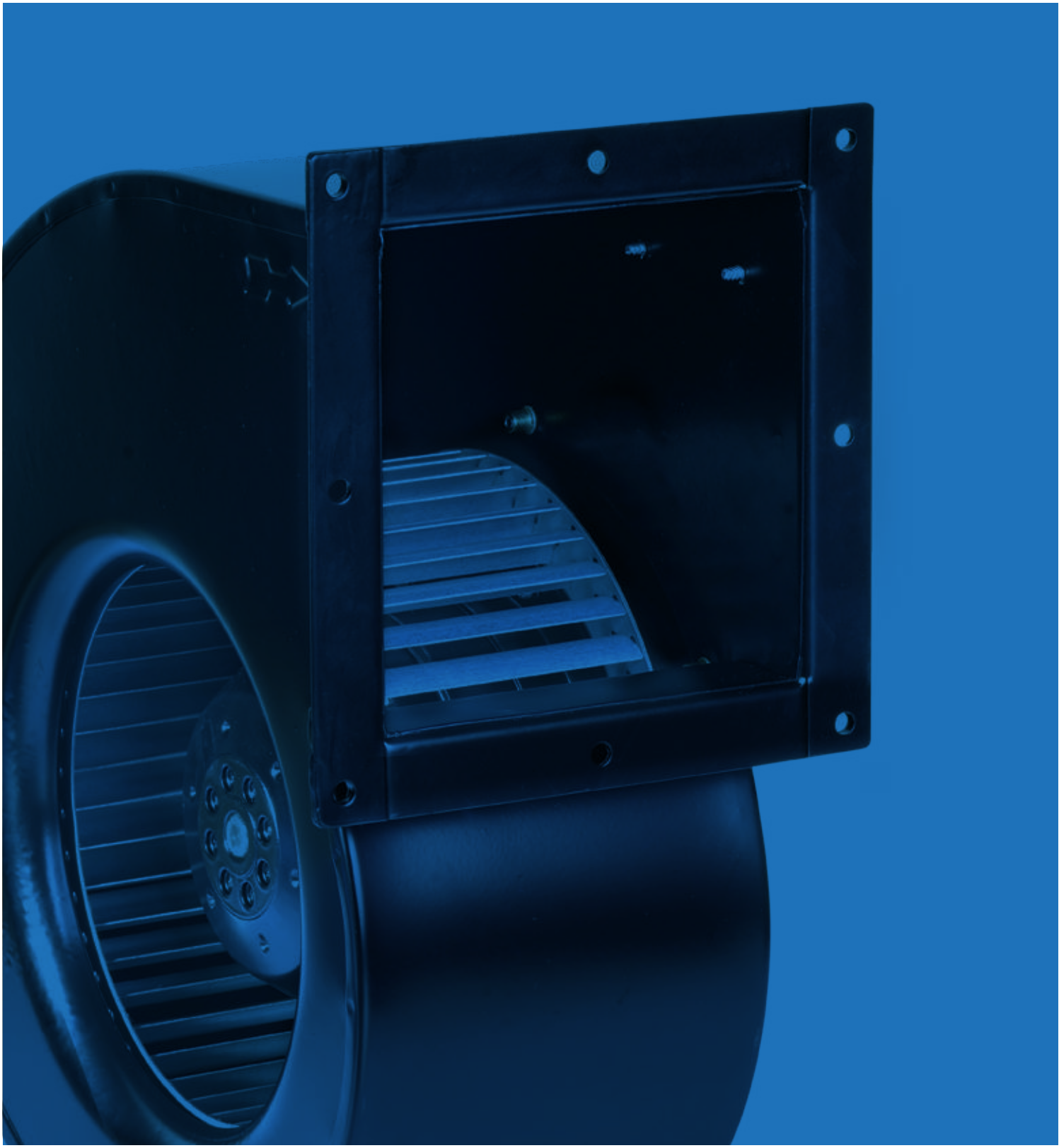
■ **Fan models available with and without frames**

RadEC - Range

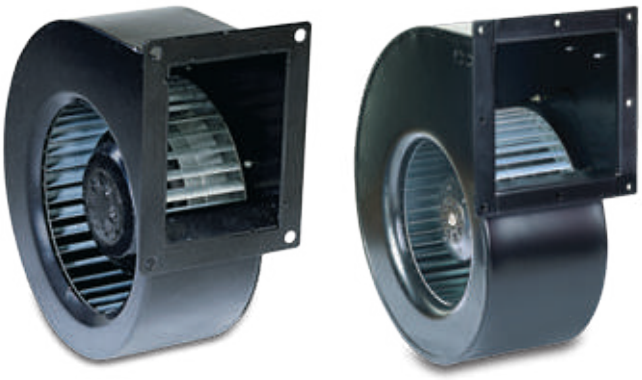
Model	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Nominal Input Power (W)	Max. Input Power (W)	Speed (RPM)	Airflow (m^3/hr)	Noise (dBA)	Weight (Kg)
T2HE355-J1-102	Three	400	50/60	1.5	800	1100	2350	5300	80	16
T2HE355-J1-100	Three	400	50/60	3.3	2400	2878	3800	6500	90	23.5
R1HE400-J1-101	Single	230	50/60	1.05	251	352	1350	3600	69	8
R1HA450-J1-100	Single	230	50/60	4.2	700	-	1575	6900	77	13.68
T2HE500-J1-101	Three	400	50/60	2.6	1600	-	1650	10500	85	38.6
T2HE500-J1-100	Three	400	50/60	5.9	4200	5571	2650	15600	86	48
T2HE560-J1-100	Three	400	50/60	7.5	4700	5600	1800	23000	92	50
T2HE630-J1-100	Three	400	50/60	3.7	2200	3538	1360	17800	86	35
T2HE630-J1-101	Three	400	50/60	2.6	1900	2767	1270	16500	85	50

■ **Fan models available with and without frames**

Centrifugal Blowers



Centrifugal Blowers
Single Inlet

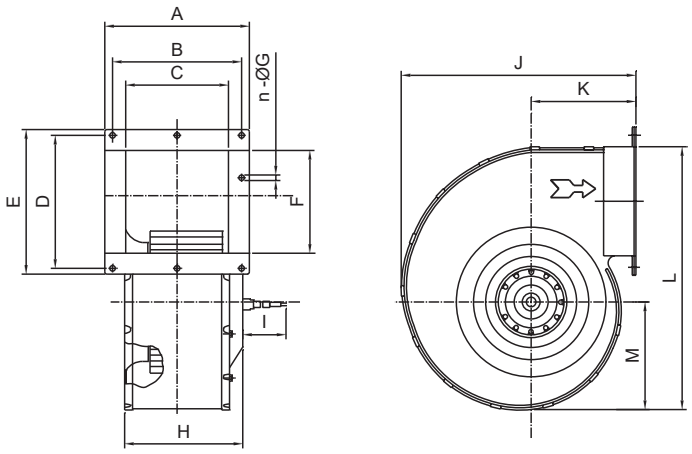


Model	Size mm	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Noise (dBA)	Cap µf/450V	Pack Size
CFB 2E-120S	Ø135X66	Single	230	50/60	0.37/0.42	81/95	2180/2210	280/290	70/68	2	6
CFB 2E-150S	Ø150X65	Single	230	50	1.0	220	2300	475	60	4	6
CFB 4E-150S	Ø150X65	Single	230	50	0.42	85	1400	300	54	3	6
CFB 2E-160S	Ø161X61.8	Single	230	50	1.3	230	2100	600	73	6	6

Centrifugal Blowers
Dual Inlet

Model	Size mm	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Airflow (M^3/hr)	Noise (dBA)	Cap µf/450V	Pack Size
CFB 2E-133D	Ø133X180	Single	230	50	0.85	190	1500	680	60	4	1
CFB 2E-146D	Ø146X220	Single	230	50/60	1.30/1.45	300/330	2000/2550	950/1050	64/66	6	1

Centrifugal Blowers - Single Inlet

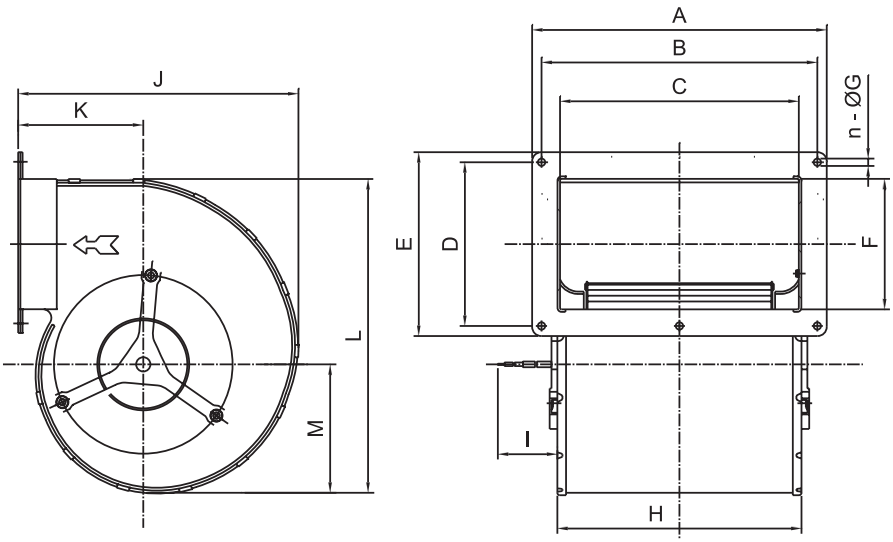


Dimensions (mm)

Model	A	B	C	D	E	F	n-ΦG	H	I	J	K	L	M
CFB2E-120S	115	100	79	91.4	108	68	4-6.35	82	1200	188	90	190	101
CFB2E-150S	102	90	72	120	140	92	4-7.0	77	1000	230	105	245	107
CFB4E-150S	102	90	72	120	140	92	4-7.0	77	1000	230	105	245	107
CFB2E-160S	137	120	102	110	127.5	94	4-7.0	107	1000	234	105	245	107

Specifications subject to change without notice

Centrifugal Blowers - Dual Inlet



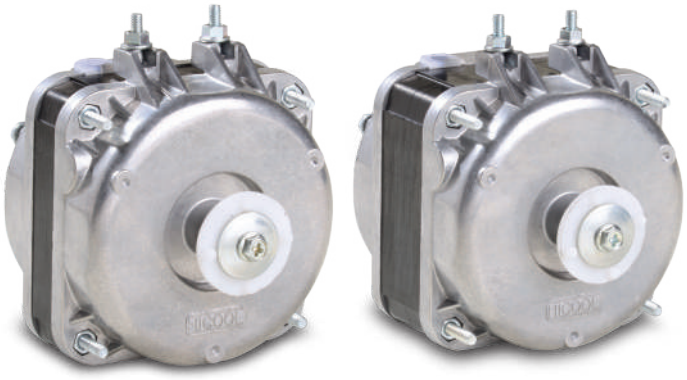
Dimensions (mm)

Model	A	B	C	D	E	F	n-ΦG	H	I	J	K	L	M
CFB2E-133D	254	238	212	92	108	67	6-Φ5.6	217	1000	174	90	180	80
CFB2E-146D	270	254	230	126	142	100	4-Φ5.5	232	350	210	106	220	96

Specifications subject to change without notice

Q Motors

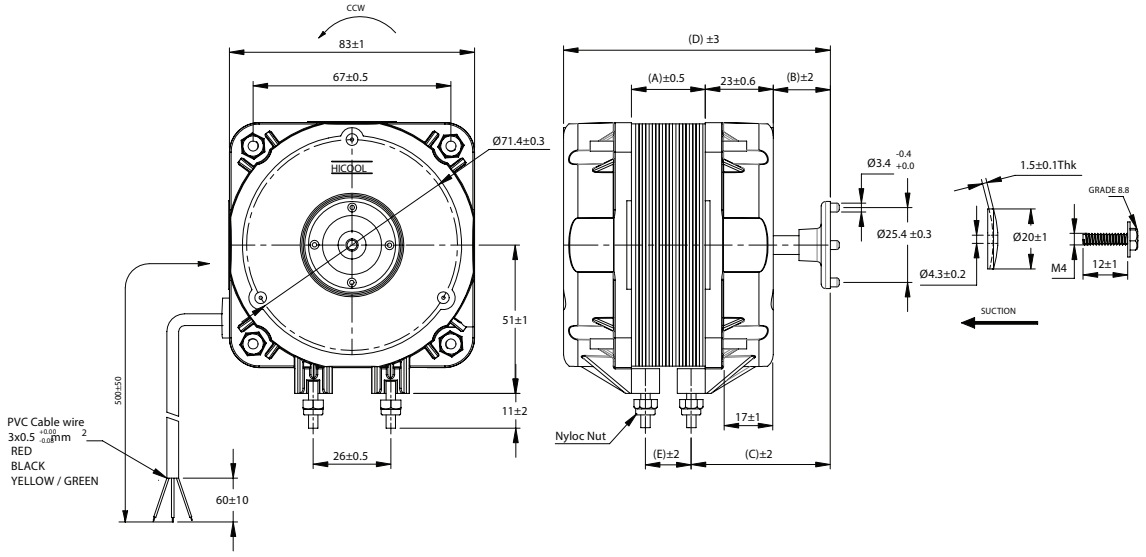
Q Motors



Model	Poles	Voltage (VAC)	Frequency (Hz)	Current	Input Watt	Output Watt	Speed (RPM)	Recommended Fan Blade	Rotation	Pack Size	Wt. kg
83 A 230 SAC-05	4	230	50	0.20	30	5	1300	200/28°	CCW	20	20
83 A 230 SAC-07	4	230	50	0.25	32	7	1300	230/28°	CCW	20	24
83 A 230 SAC-10	4	230	50	0.30	38	10	1300	230/28°	CCW	20	24
83 A 230 SAC-16	4	230	50	0.42	65	16	1300	254/28°	CCW	20	24
83 A 230 SAC-25	4	230	50	0.70	90	25	1300	300/28°	CCW	10	22
83 A 230 SAC-34	4	230	50	0.85	110	34	1300	300/28°	CCW	10	24

Note:
- **Also available in Ball Bearing.**

Specifications subject to change without notice

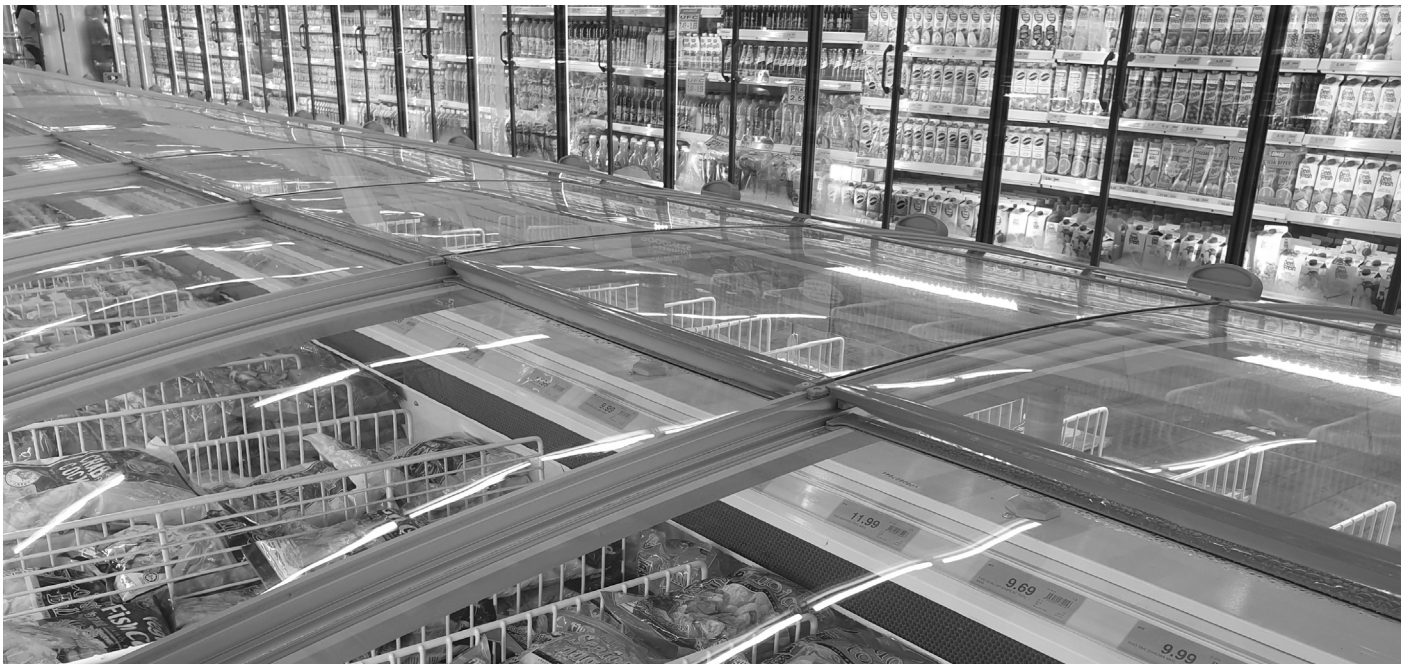


Dimensions (mm)

Model	A	B	C	D	E
83 A 230 SAC-05	13	18	47	79	-
83 A 230 SAC-07	19	13	41	79	-
83 A 230 SAC-10	19	18	47	86	-
83 A 230 SAC-16	25	18	47	92	-
83 A 230 SAC-25	40	22	53	109	31
83 A 230 SAC-34	45	28	56	121	36

Note:
- **Weight mentioned is for the pack size.**

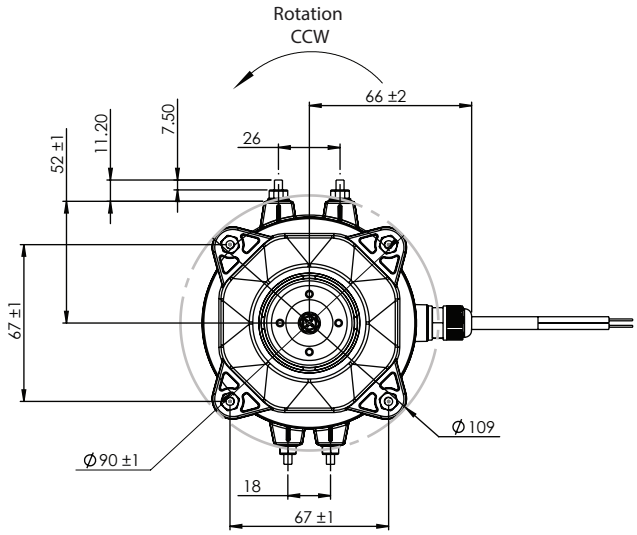
EC Q Motors

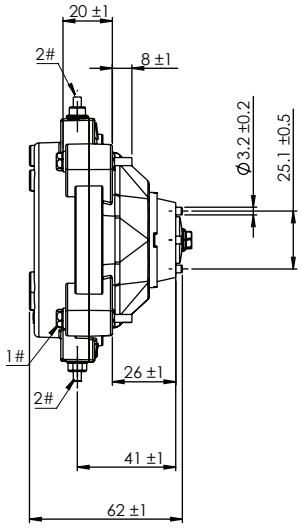

11.99
9.69
9.99

EC Q Motors

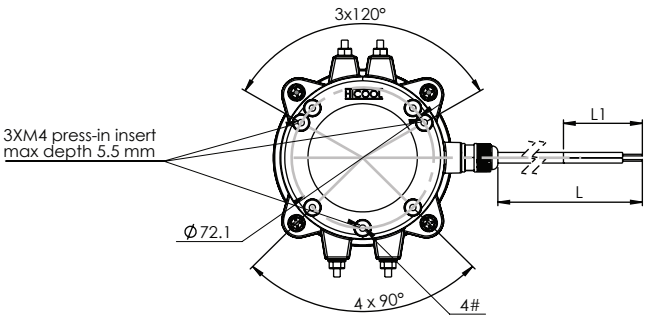
Model	Voltage (VAC)	Frequency (Hz)	Current (A)	Input Power (W)	Output Power (W)	Speed (RPM)	Recommended Fan Blade	Rotation	Noise (dBA)	Pack Size	Wt. kg
ECQMB01V1S1	230	50/60	0.07	7	4	1300	200/28°	CCW	48	20	20
ECQMB01V1S1	230	50/60	0.09	9	6	1300	200/34°	CCW	48	20	20
ECQMB01V1S1	230	50/60	0.12	12	8	1300	230/28°	CCW	50	20	20
ECQMB01V1S1	230	50/60	0.15	15	10	1300	254/28°	CCW	55	20	20
ECQMB01V1S3	230	50/60	0.25	15	10	1500/1000	230/28°	CCW	50	20	20
ECQMB01V1S4	230	50/60	0.25	15	10	1550/1350	200/28°	CCW	55	20	20

Specifications subject to change without notice

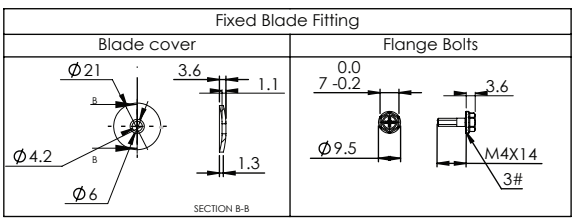




All dimensions in mm

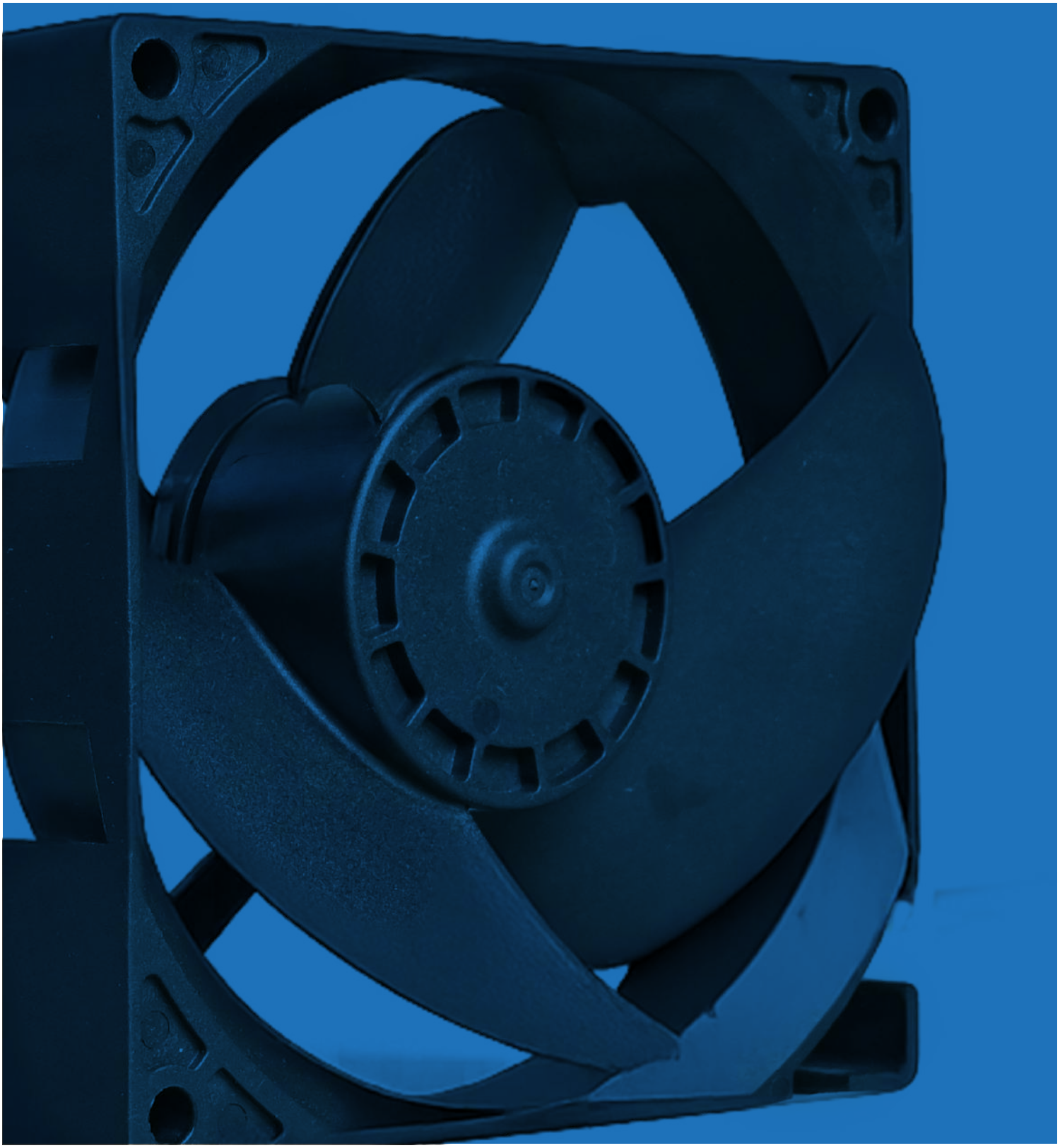


1#	Fastening bolt
2#	Bracket bolts
3#	Cover plate bolts
4#	Insert



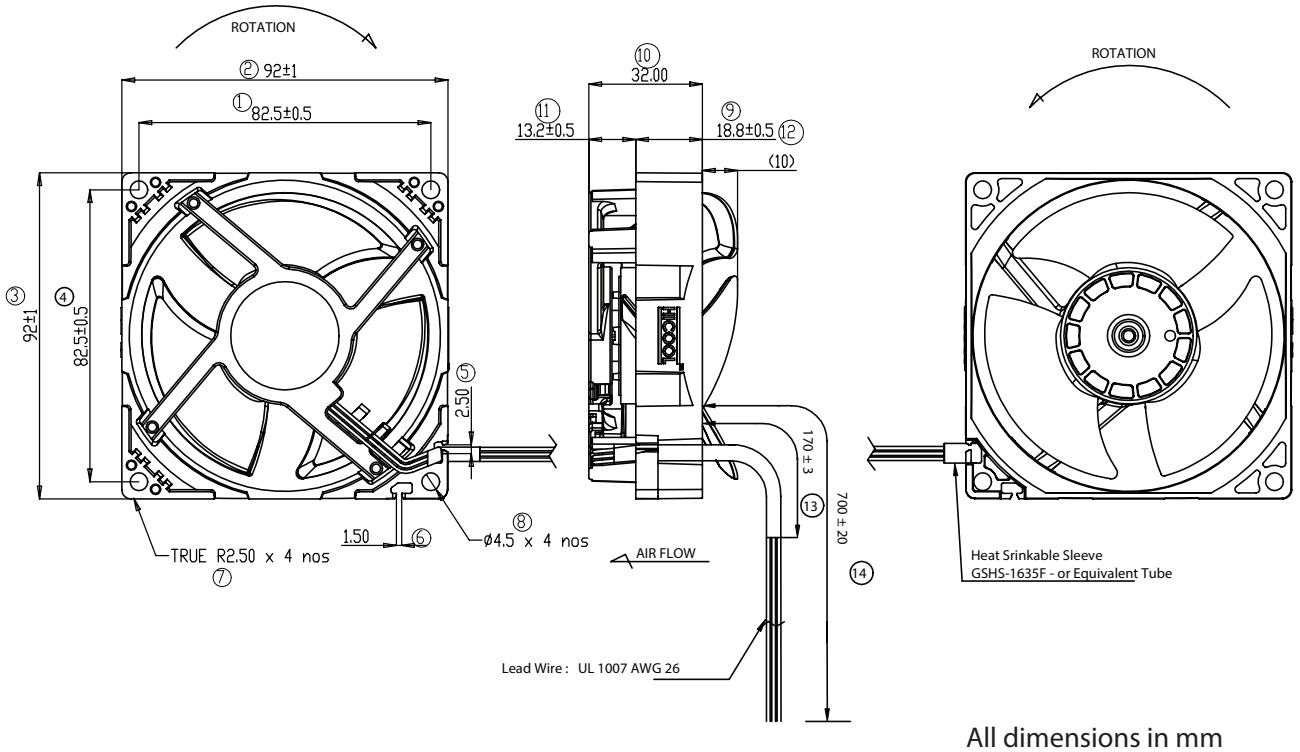
Note:
- **Weight mentioned is for the pack size.**

DC Compact Axial Fans



DC Compact Axial Fans

Model	Bearing	Voltage (VDC)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H_2O)	Noise (dBA)	Wt. kg
92X92X32mm (Pack size: 40 Nos.)									
H92B112S1	Sleeve	12	0.12	2800	1.44	38	3.26	27	5
H92B112S2	Sleeve	12	0.12	3350	1.50	40	5.35	38	5
H92B124S2	Vapo	24	0.07	3350	1.68	45	5.35	38	5

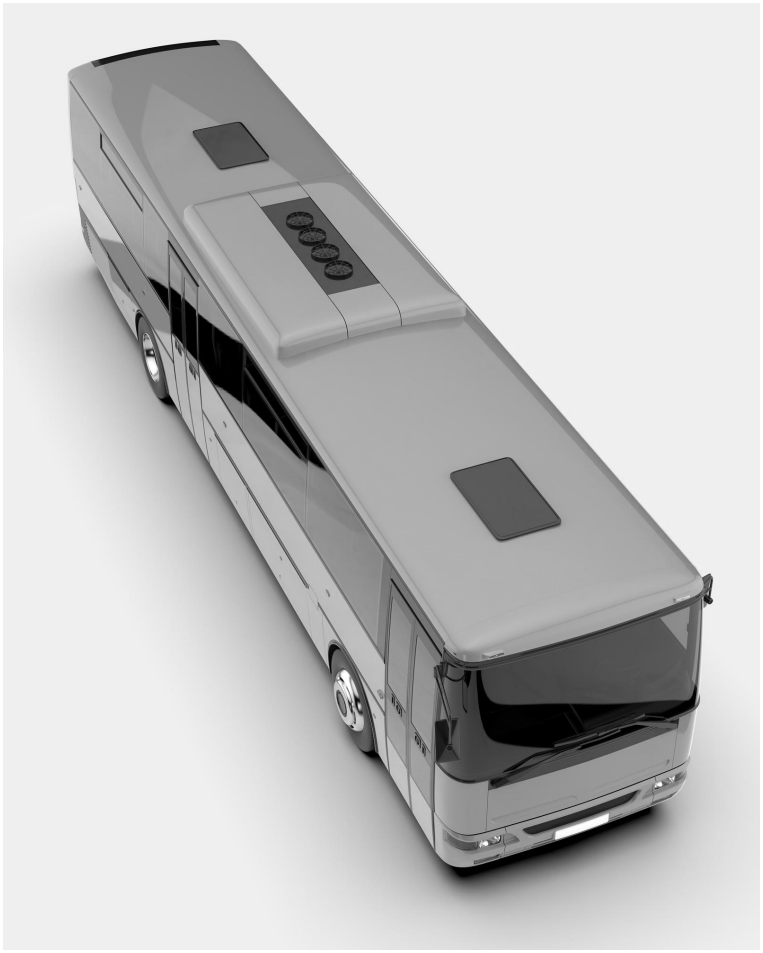


All dimensions in mm

Additional Features - Fan Failure Alarm ■ Alarm Signal For Speed Monitoring ■ PWM ■ Higher Air Flow ■ Non-standard voltages ■

Note:
■ Weight mentioned is for the pack size.

Mobility Blowers

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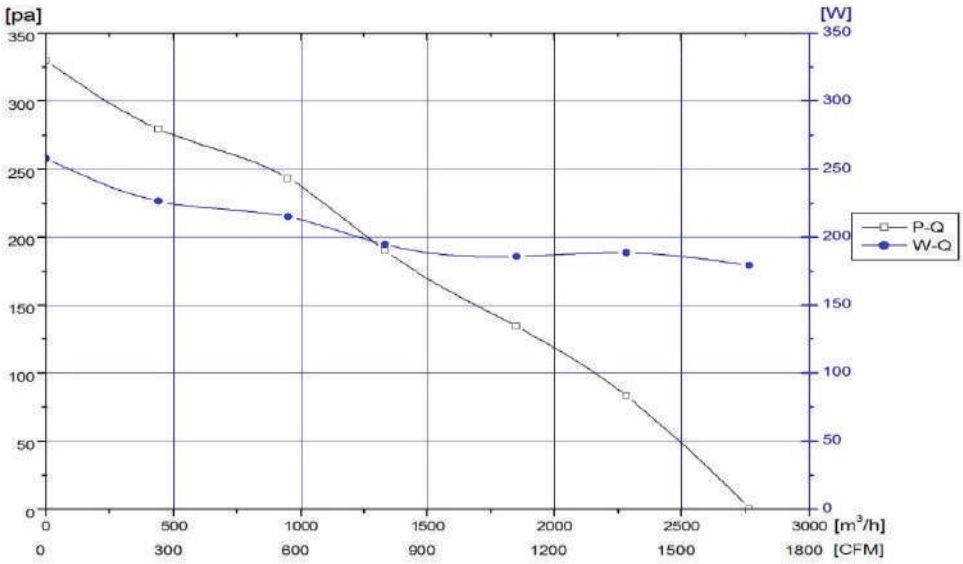
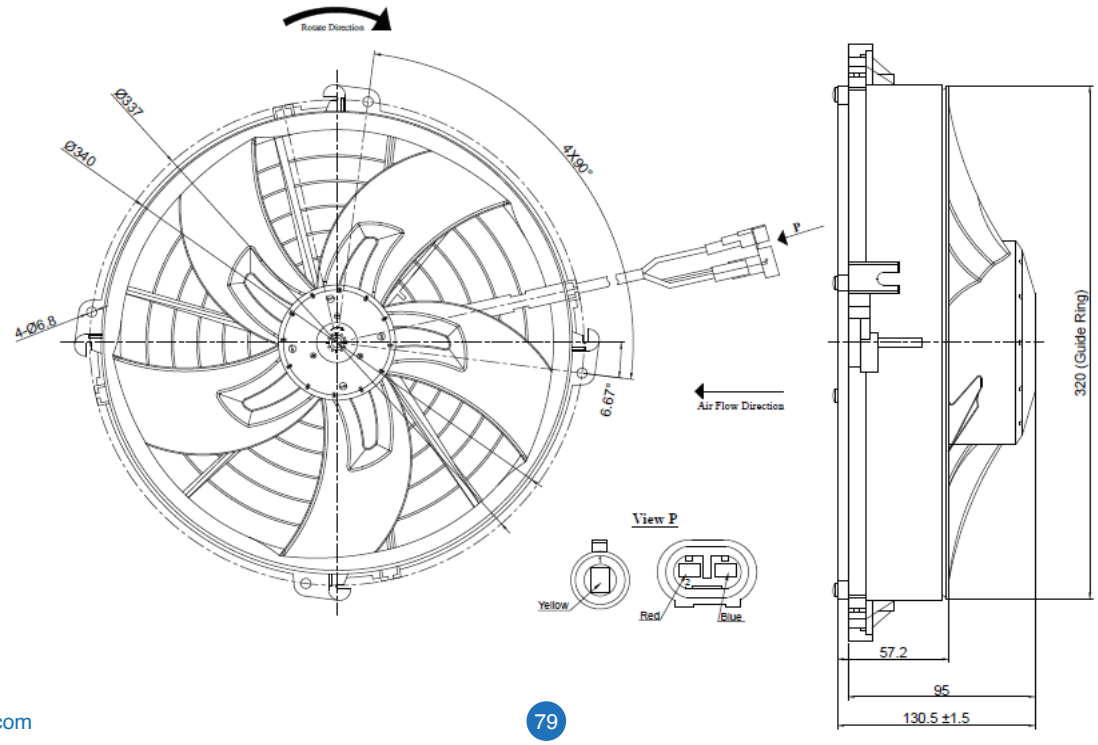
BLDC Axial Fans

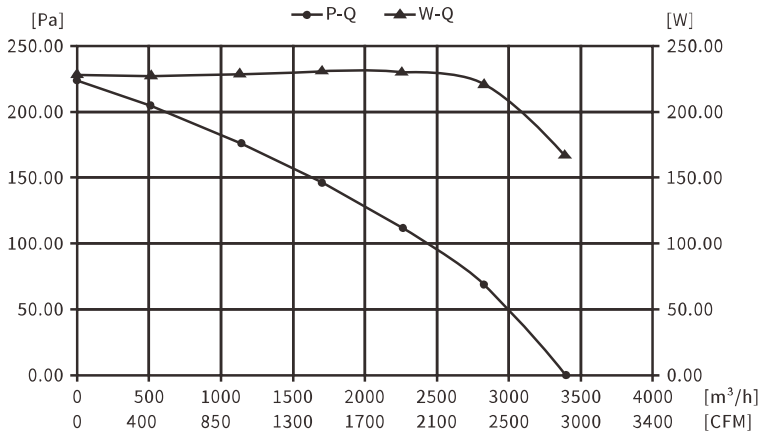


Model	Category	Voltage (VDC)	Current (A)	Nominal Input Power (W)	Speed (RPM)	Airflow (M^3/hr)	Noise (dBA)	Weight (Kg)
G3HD300-J1-100	BLDC Axial Fan	26	6.5	170	2800	2700	72	2.7

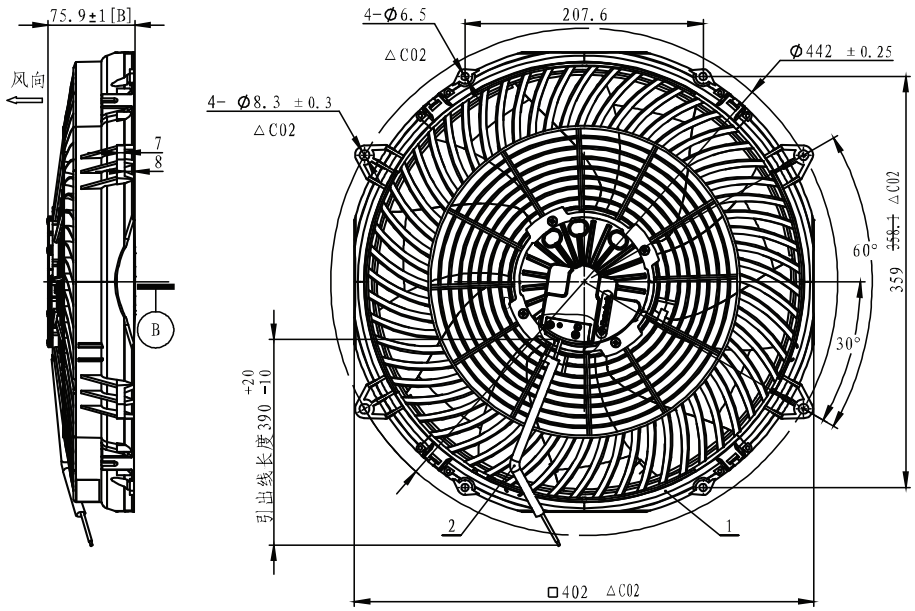


HICOOL™
Air Moving Products

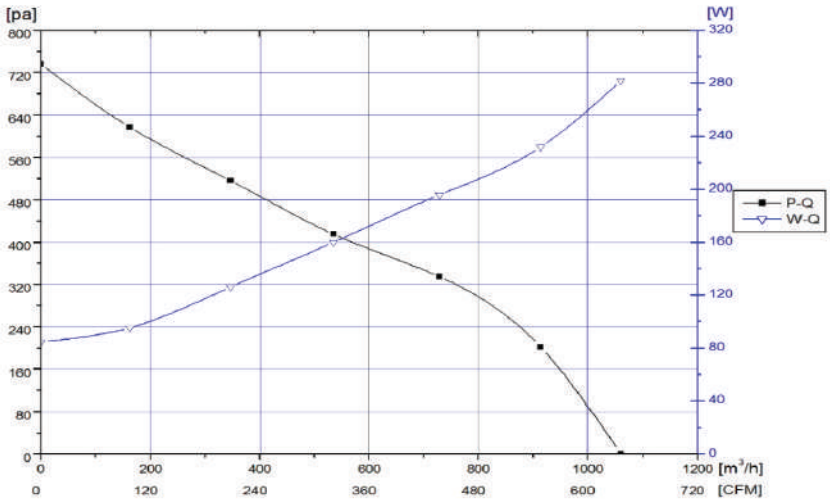
BLDC Axial Fans



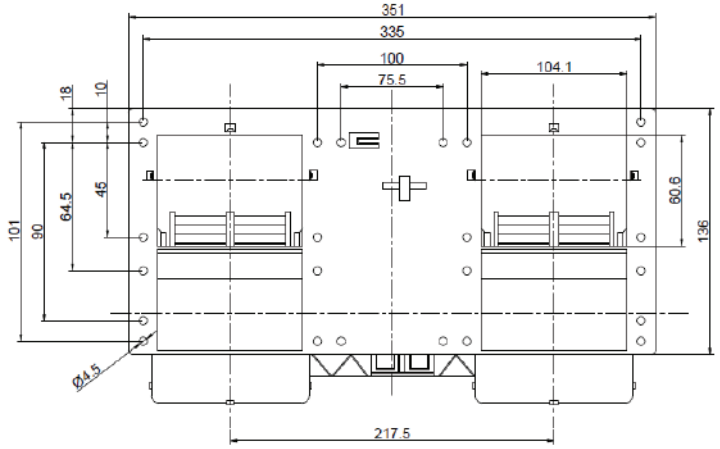
Model	Category	Voltage (VDC)	Current (A)	Nominal Input Power (W)	Speed (RPM)	Airflow (M³/hr)	Noise (dBA)	Weight (Kg)
G3HD385-J1-100	BLDC Axial Fan	26	7.1	185	2550	3300	78	3.5

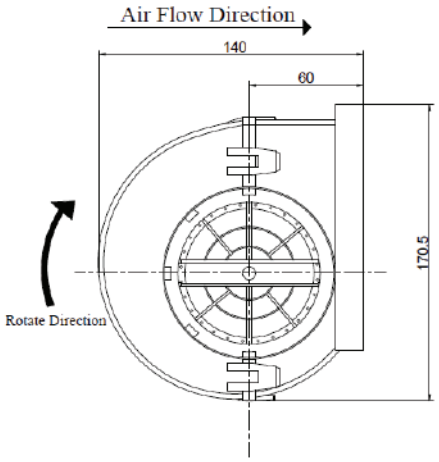


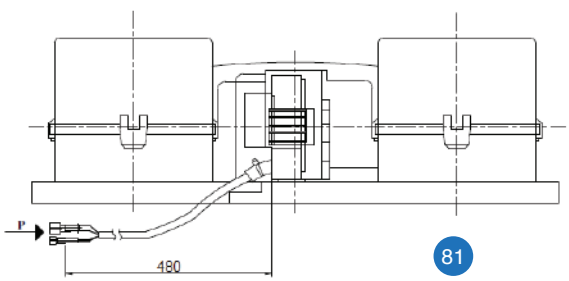
BLDC Axial Fans

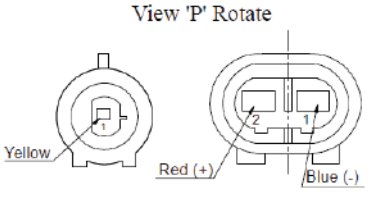


Model	Category	Voltage (VDC)	Current (A)	Nominal Input Power (W)	Speed (RPM)	Airflow (M³/hr)	Noise (dBA)	Weight (Kg)
E3HD097-J1-100	BLDC Centrifugal Fan	24	11	265	3200	1050	65	2.5





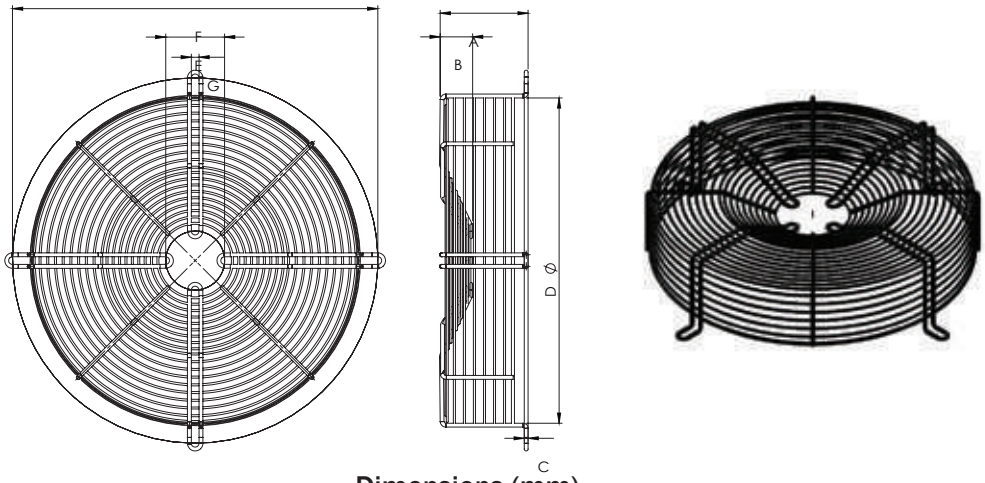




Accessories

Accessories

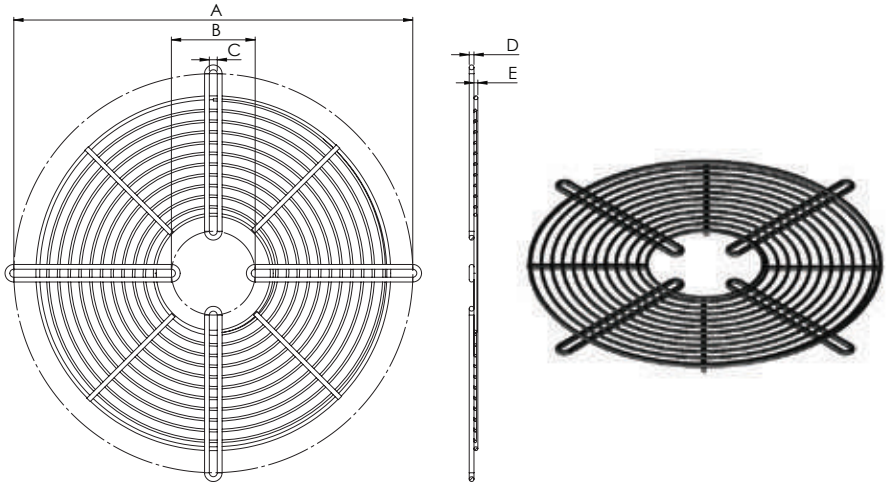
Axial Fan Basket Grill



Dimensions (mm)

Model	Size	A	B	C	D	E	F	G
BGA 200	200 mm	45	-	4	220	58.5	265	8
BGA 250	250 mm	55	-	4	275	58.5	325	8
BGA 300	300 mm	85	30	4	320	58.5	375	8.5
BGA 350	350 mm	85	30	5	370	89.5	422	9.5
BGA 400	400 mm	90	30	5	420	89.5	470	9.5
BGA 450	450 mm	90	30	6	470	89.5	525	9.5
BGA 500	500 mm	90	30	6	520	120	570	10.5
BGA 550	550 mm	100	30	6	570	120	622	10.5
BGA 600	600 mm	100	30	7.5	620	120	680	10.5
BGA 630	630 mm	100	30	7.5	650	120	750	11.5

Axial Fan Flat Grill



Dimensions (mm)

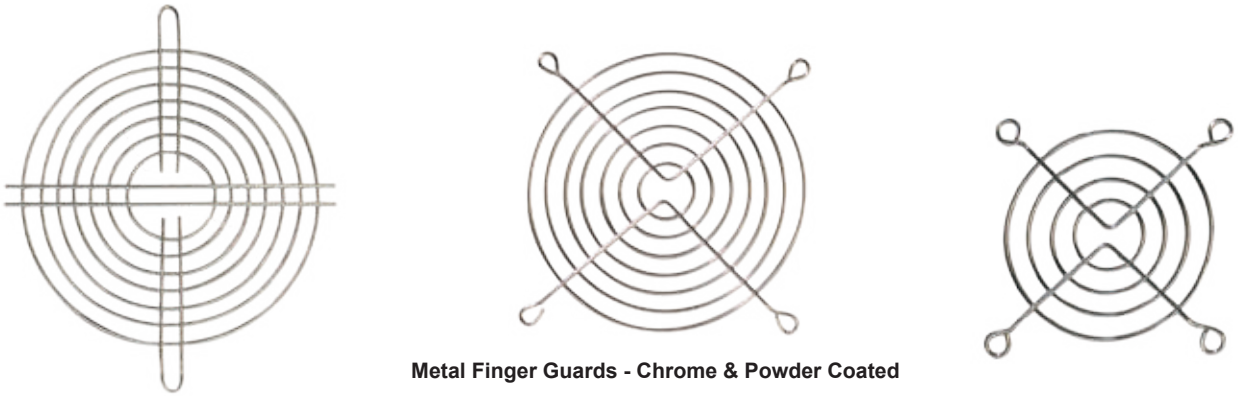
Model	Size	A	B	C	D	E
FGA 200	200 mm	265	58.5	8.5	4	3
FGA 250	250 mm	325	58.5	8.5	4	3
FGA 300	300 mm	365	58.5	8.5	4	3.5
FGA 350	350 mm	422	89.5	10	5	4
FGA 400	400 mm	470	89.5	10	5	4
FGA 450	450 mm	522	89.5	10	5	4
FGA 500	500 mm	570	120	11.5	6	4
FGA 550	550 mm	625	120	11.5	6	4
FGA 600	600 mm	680	120	11.5	7.5	4
FGA 630	630 mm	755	120	11.5	7.5	4

Also available in Stainless Steel

Accessories

Compact Fan Accessories

Plastic Finger Guards

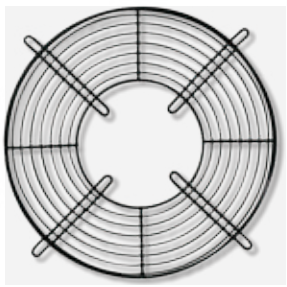


Metal Finger Guards - Chrome & Powder Coated

Q Motors Accessories

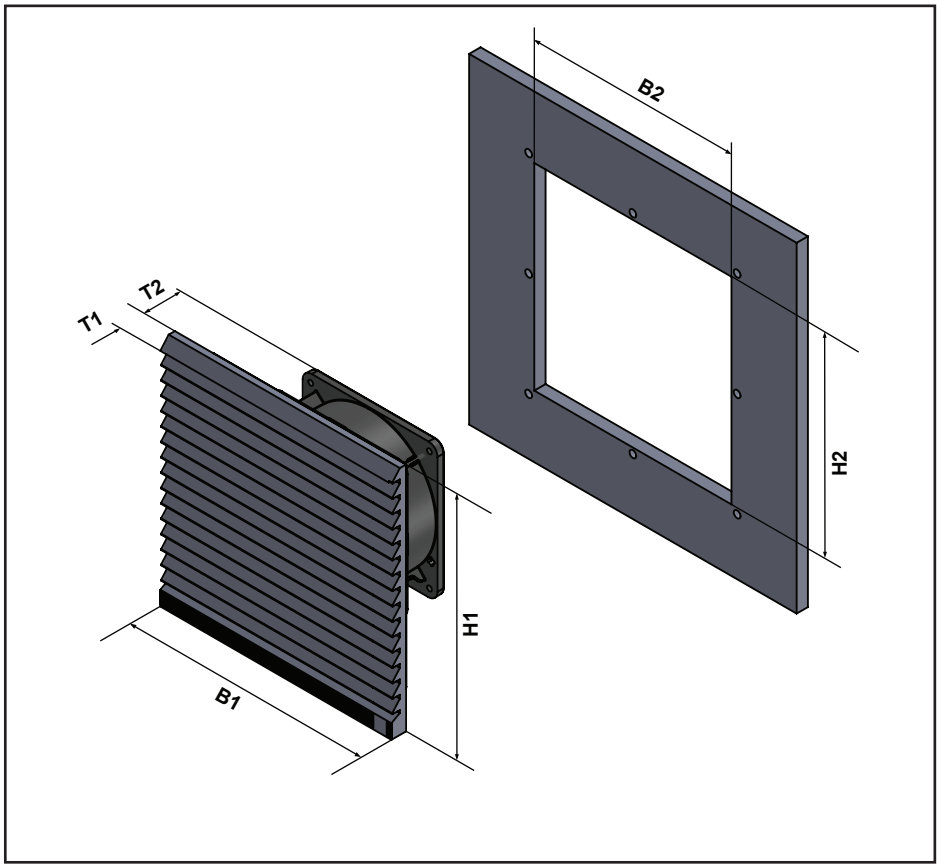
Aluminium Blades(sucking & blowing) available in
dia 154,172,200,230,254&300mm.Pitch available from 19^0 upto 34^0

Bracket



Basket Grill

Filters

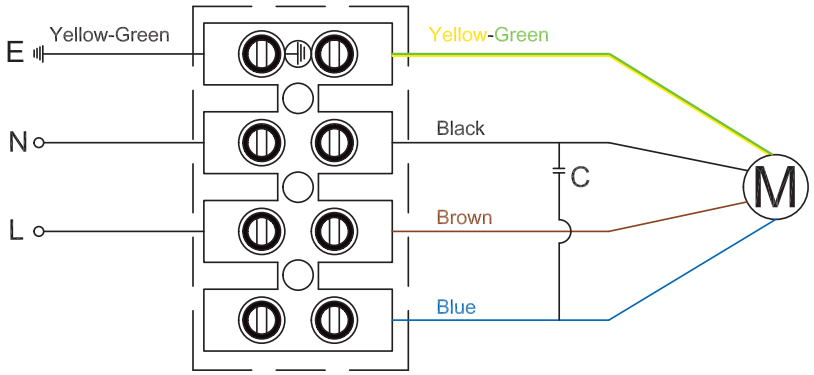


Dimensions (mm)

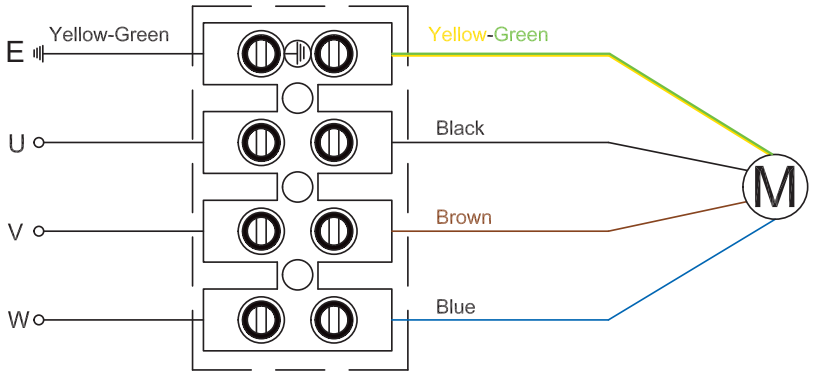
Model	Size	H1	H2	B1	B2	T1	T2
FFU12000-23-000	120	204	174	204	174	12.7	79.5
FFU17200-23-000	172	256	223	256	223	15.4	104
FFU28000-23-000	280	320	290	320	290	13	117.5

Axial Fan Connection Diagrams

Model:-200-630mm / 225A-M / 280A-M / BCF / CFB
Single Phase

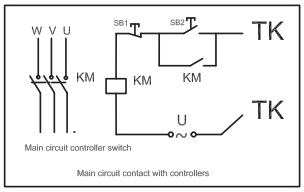


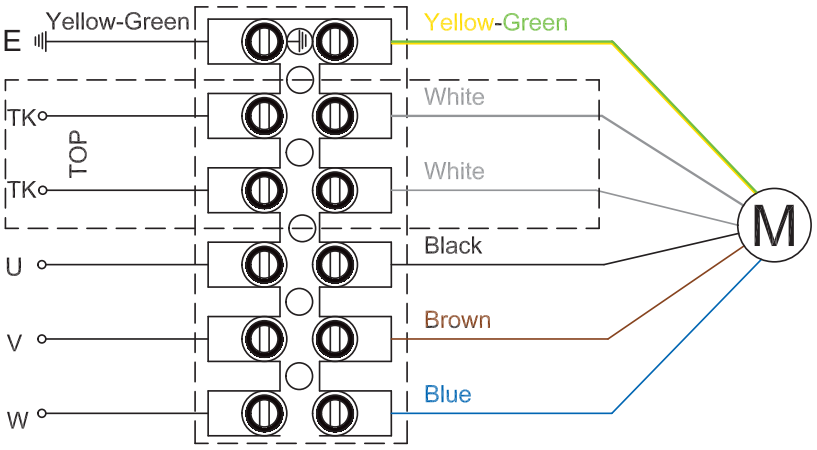
Model:-200-250mm
Three Phase



Note:- Direction of rotation is reversed by swapping two line phaser

Model:-300-630mm
Three Phase

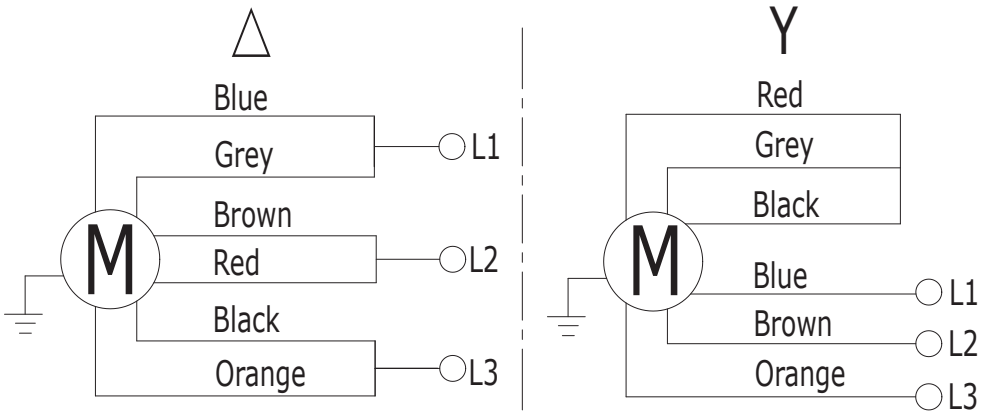




Note:- Direction of rotation is reversed by swapping two line phaser

Star Delta Connection Diagram

3-PHASE MOTOR WIRING DIAGRAM

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Notes

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