

HICOOLTM
Air Moving Products



Smart

Eco-friendly

Cost effective

The way

Technology

should be

PRODUCT CATALOGUE

Unrivalled Performance



Corporate Headquarters

Founded in 1988, Hicool is a leading brand in air moving products serving diverse markets including IT & Telecom, HVAC, Refrigeration, Industrial, Drive Systems, Automotive & Rail Technology, Medical & many more.

Our highly skilled & experienced engineers are ready to tackle your most difficult air moving challenges & offer tailored solutions that meet your requirements ensuring lowest lifetime cost.

Passionately involved in R&D we strongly believe in continuous improvement.

With state-of-the-art manufacturing facility, production capacity of over three million motors, test lab for performance, conditioning, endurance, noise level, airflow and static pressure, in house tools & dies development, small volume custom developed products, short turnaround time for samples - are a few reasons why customers are our loyal fans!

Do contact us to find the optimum solution for your individual application.



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Compact Fans - DC Brushless

Model	Bearing*	Voltage (VDC)	Current (mA)	Speed (RPM)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
60X60X20mm (Also available 60X60X25mm)							
6P12HSDC	Sleeve	12	180	4300	18	3.8	30
6P24HSDC	Sleeve	24	125	4300	18	3.8	30
80X80X25mm (Available upto 58 CFM)							
8P12HBDC	Ball	12	200	3000	38	4.5	34
8P24HBDC	Ball	24	150	3000	38	4.5	34
8P48HBDC	Ball	48	70	3000	38	4.5	34
92X92X25mm (Available upto 65 CFM)							
9P12HBDC	Ball	12	300	2500	55	5	40
9P24HBDC	Ball	24	200	2500	55	5	40
9P48HBDC	Ball	48	100	3000	55	5	40
120X120X38mm							
12P12HBDC	Ball	12	350	3000	105	8	50
12P24HBDC	Ball	24	250	3000	105	8	50
12P48HBDC	Ball	48	105	3000	105	8	50
12P48H1BDC (190CFM)	Ball	48	400	4200	192	17.1	54.6
12P48H1BDC(240CFM)	Ball	48	1330	5500	285	47.1	69.5
172x150x51mm & 172x172x51mm (Available upto 282CFM)							
17A12HBDC	Ball	12	1600	3000	210	13	60
17A24HBDC	Ball	24	750	3000	210	13	60
17A48HBDC	Ball	48	450	3000	210	13	60

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



Compact Fans - AC

Model	Bearing*	Voltage (VAC)	Frequency (Hz)	Current (mA)	Speed (RPM)	Watt (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
80X80X25mm									
8A115HBAC	Ball	115	50/60	210/180	2300/2800	14/12	21/25	4/4.8	29/34
8A115HSAC	Sleeve	115	50/60	210/180	2300/2800	14/12	21/25	4/4.8	29/34
8A230HBAC	Ball	230	50/60	70/60	2300/2800	14/12	21/25	4/4.8	29/34
8A230HSAC	Sleeve	230	50/60	70/60	2300/2800	14/12	21/25	4/4.8	29/34
92X92X25mm									
9A115HBAC	Ball	115	50/60	210/180	2300/2800	14/14	36/42	5/6	36/38
9A115HSAC	Sleeve	115	50/60	210/180	2300/2800	14/14	36/42	5/6	36/38
9A230HBAC	Ball	230	50/60	70/60	2300/2800	14/12	36/42	5/6	36/38
9A230HSAC	Sleeve	230	50/60	70/60	2300/2800	14/12	36/42	5/6	36/38
120X120X38mm									
12A24HBAC	Ball	24	50/60	1000/900	2600/2800	18/17	95/102	8.4/9.4	42/45
12A24HSAC	Sleeve	24	50/60	1000/900	2600/2800	18/17	95/102	8.4/9.4	42/45
12A115HBAC	Ball	115	50/60	170/145	2600/2800	14/12	95/102	8.4/9.4	42/45
12A115HSAC	Sleeve	115	50/60	170/145	2600/2800	14/12	95/102	8.4/9.4	42/45
12A230HBAC	Ball	230	50/60	100/90	2600/2800	18/17	95/102	8.4/9.4	42/45
12A230HSAC	Sleeve	230	50/60	100/90	2600/2800	18/17	95/102	8.4/9.4	42/45
12A415HBAC	Ball	415	50/60	70/60	2600/2800	20/20	95/102	8.4/9.4	42/45
12A415HSAC	Sleeve	415	50/60	70/60	2600/2800	20/20	95/102	8.4/9.4	42/45
B12038230H	Ball	230	50/60	250	4500	30	243	29.2	64
172Φx150x51 & 172x172x51									
17A115HBAC	Ball	115	50/60	450/450	2600/2750	41/38	190/235	16/21	45/50
17A115HSAC	Sleeve	115	50/60	450/450	2600/2750	41/38	190/235	16/21	45/50
17A230HBAC	Ball	230	50/60	250/245	2600/2750	38/37	190/235	16/21	45/50
17A230HSAC	Sleeve	230	50/60	250/245	2600/2750	38/37	190/235	16/21	45/50
17A415HBAC	Ball	415	50/60	125/125	2600/2750	38/38	190/235	16/21	45/50
17A415HSAC	Sleeve	415	50/60	125/125	2600/2750	38/38	190/235	16/21	45/50
220ΦX60mm & 220X220X60mm									
22A115HBAC	Ball	115	50	550	2300	50	360	23	56
22A115HSAC	Sleeve	115	50	550	2300	50	360	23	56
22A230HBAC	Ball	230	50	320	2300	50	360	23	56
22A230HSAC	Sleeve	230	50	320	2300	50	360	23	56
22A415HBAC	Ball	415	50	200	2300	50	360	23	56
22A415HSAC	Sleeve	415	50	200	2300	50	360	23	56

■ Ask for Low Noise versions

Specifications subject to change without notice



Compact Fans - All Metal

AC Axial

Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (mA)	Speed (RPM)	Watt (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
120 x 120 x 38 mm - Metal									
12A230HBAC-M	Ball	230	50/60	100/90	2700/3100	17/15	95/107	8.4/9.4	42/46
172 x 150 x 55 mm - Metal									
17A230HBAC-M	Ball	230	50/60	250/230	2800/3250	42/42	195/230	14/16	49/53
225 x 225 x 80 mm - Metal									
225A230HBAC-M	Ball	230	50/60	400/425	2500/2700	80/85	530/600	17/14	59/61
280 x 280 x 80 mm - Metal									
280A230HBAC-M	Ball	230	50/60	590/820	2500/2700	119/158	1090/1130	16.5/20	68/70

Also available 115VAC & 415VAC

DC Brushless

Model	Bearing*	Voltage (VDC)	Current (mA)	Speed (RPM)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
225 x 225 x 80 mm - Metal							
225A48HBDC - M	Ball	48	1100	2850	647	25	67
280 x 280 x 80 mm - Metal							
280A48HBDC - M	Ball	48	1900	2700	1130	22	69

Specifications subject to change without notice

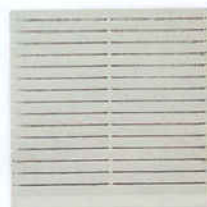
Accessories



Plastic Finger Guards

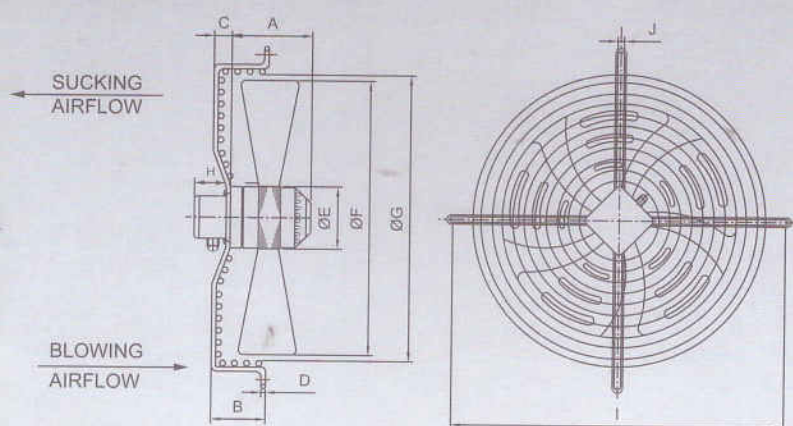
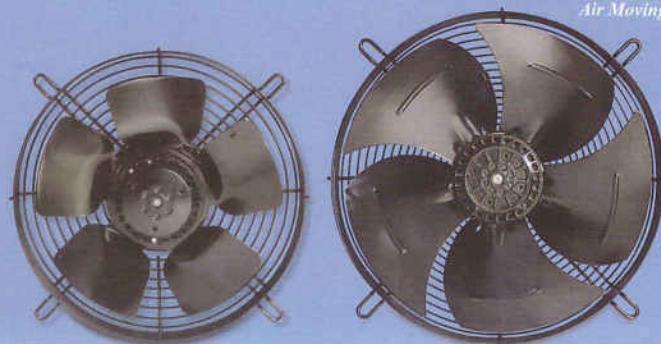


Metal Finger Guards - Chrome & Powder Coated



Filter Kits

Large Axial Fans



Dimensions (mm)

Size	A	B	C	D	E	F	G	H	I	J
200	66	45	-	4	92	200	220	60	245	6
250	76	55	-	4	92	250	275	60	320	7
300	86	80	30	4	92	300	320	60	360	7
350	104	80	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	522	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	679	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	14.0
800	191	175	55	10	180	784	857	60	920	14.0

Specifications

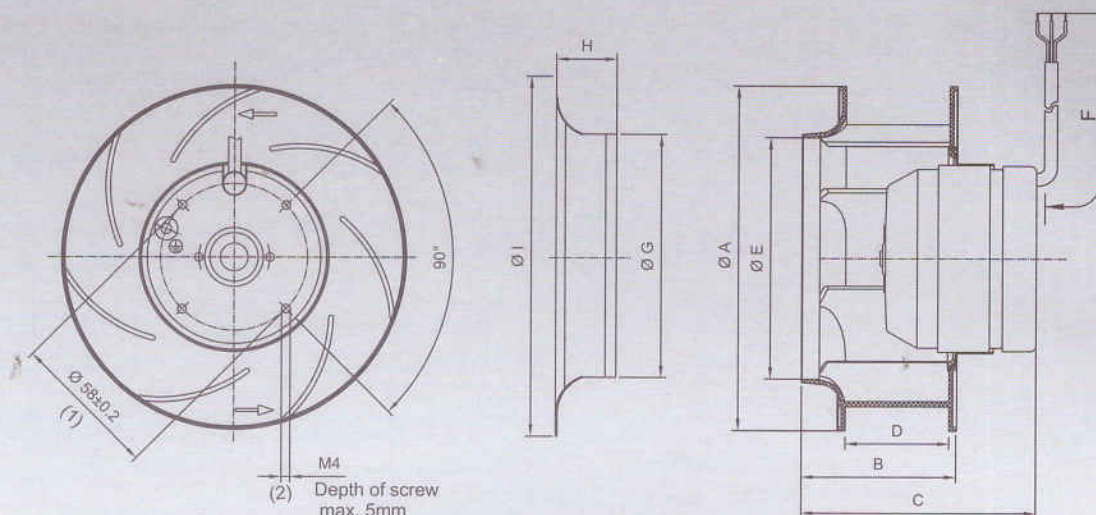
Model	Size in inch	Poles	Phase	Voltage (VAC)	Current (A)	Power (W)	Speed (RPM)	Airflow (M³/hr)	Airflow (CFM)	Noise dBA	Capacitor uf	wt Kg
2E-200	8	2	Single	230	0.38	80	2400	850	500	50	2	2.5
4E-200	8	4	Single	230	0.21	45	1450	450	265	45	1.5	2.5
4D-200	8	4	Three	415	0.12	35	1450	450	265	45	-	2.5
2D-200	8	2	Three	415	0.22	65	2400	850	500	50	-	2.5
2E-250	10	2	Single	230	0.5	115	2400	1730	1018	65	3	3.0
4E-250	10	4	Single	230	0.23	60	1400	950	559	55	2	3.0
4D-250	10	4	Three	415	0.25	60	1400	950	559	55	-	3.0
2D-250	10	2	Three	415	0.25	115	2400	1730	1018	65	-	3.0
2E-300	12	2	Single	230	0.66	145	2300	2300	1354	70	4	3.3
4E-300	12	4	Single	230	0.42	85	1380	1850	1089	58	3	3.3
4D-300	12	4	Three	415	0.22	75	1380	1850	1089	58	-	3.3
2D-300	12	2	Three	415	0.35	145	2300	2300	1354	70	-	3.3
4E-350	14	4	Single	230	0.65	140	1380	2600	1530	62	4	4.9
4D-350	14	4	Three	415	0.38	140	1380	2600	1530	62	-	4.9
4E-400	16	4	Single	230	0.82	180	1380	4000	2354	68	6	5.6
4D-400	16	4	Three	415	0.47	180	1380	4000	2354	68	-	5.6
4E-450	18	4	Single	230	1.2	250	1380	5400	3178	68	8	7.2
4D-450	18	4	Three	415	0.6	250	1380	5400	3178	68	7.2	7.2
4E-500	20	4	Single	230	1.95	420	1300	7155	4211	72	10	9.5
4D-500	20	4	Three	415	0.9	450	1300	7395	4353	72	-	9.5
4E-550	22	4	Single	230	2.55	550	1300	8510	5009	75	12	10.5
4D-550	22	4	Three	415	1.2	600	1300	8920	5250	75	-	10.5
4E-600	24	4	Single	230	3.2	700	1360	10040	5909	78	16	14.0
4D-600	24	4	Three	415	1.6	780	1350	11000	6478	78	-	14.0
6D-600	24	6	Three	415	1.5	500	900	10285	6054	72	-	14.0
4D-630	25	4	Three	415	1.6	800	1320	12420	7310	78	-	15.0
6D-630	25	6	Three	415	1.6	550	900	11785	6936	75	-	15.0
6D-710	28	6	Three	Δ415	1.9	900	900	16200	9535	80	-	25.0
6D-710	28	6	Three	Y415	1.15	650	730	13100	7710	80	-	25.0
6D-800	32	6	Three	Δ415	3.5	1790	890	20100	11830	82	-	35.0
6D-800	32	6	Three	Y415	2.23	1230	680	16100	9476	82	-	35.0

 Frequency (Hz) - 50
 E-Single Phase D- Three Phase

 All models available in Suction (S) and Blow (B)
 Also available 115VAC

Specifications subject to change without notice

Backward Curved Fans



Only for BCF-315, 355 & 400

(1) Ø 90

(2) M6 and Depth of screw
max. 12mm

Dimensions (mm)

Model	A	B	C	D	E	F	G	H	I
BCF-133	133	53.6	77.5	42	93	600	87	13	129
BCF-180	180	49	69	35	131	930	125	14	170
BCF-190	192	60	70	40	132	930	125	14	170
BCF-220	220	63	71	45	159	930	156.2	21	252
BCF-225AA	227	65.3	79	40	153	930	145	28	223
BCF-225BB	225	90	99	63	159	930	145	28	223
BCF-250	251	82	99	56.6	174	930	167	33	255
BCF-355	359	174	195	121	250	520	239	31	350
BCF-400	413	185	236	123	270	990	255	58	370

Specifications

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
BCF-133	Φ130 x 54	Single	230	50	0.12	26	2550	220	60/62	1	1
BCF-180	Φ180 x 49	Single	230	50/60	0.39/0.34	61/62	2350/2200	440/420	63/62	1.5	1.2
BCF-190	Φ192 x 60	Single	230	50/60	0.39/0.48	87/109	2600/2900	570/630	68/71	3	1.6
BCF-220	Φ220 x 63	Single	230	50/60	0.4/0.50	95/120	2400/2600	800/865	69/71	3	2.7
BCF-225AA	Φ225 x 65	Single	230	50/60	0.53/0.64	110/145	2650/2950	860/950	72/75	3	2.4
BCF-225BB	Φ225 x 90	Single	230	50/60	0.80/0.86	147/195	2680/3100	1200/1350	74/78	5	2.7
BCF-250	Φ250 x 82	Single	230	50/60	0.76/1.08	173/245	2600/2790	1400/1460	75/76	5	3
BCF-355	Φ355 x 174	Single	230	50	1.12	245	1400	2800	74	8	5.6
BCF-400	Φ400 x 185	Single	230	50	1.6	370	1370	3653	77	12	6.8

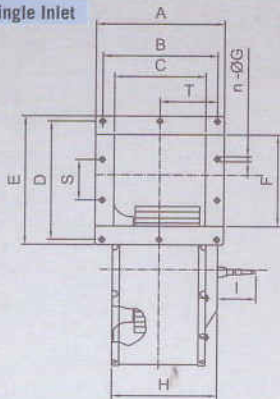
Specifications subject to change without notice

Available in DC Voltages
Few sizes available in 3 Phase

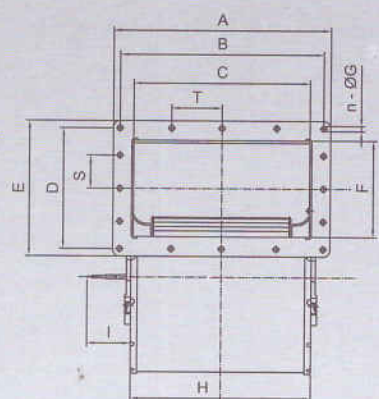
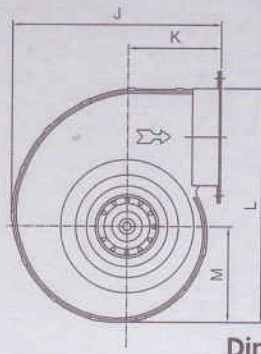
Centrifugal Blowers



Single Inlet



Dual Inlet



Dimensions (mm)

Model	A	B	C	D	E	F	n-ΦG	H	I	J	K	L	M	S	T
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Single Inlet

CFB2E-140S	130	115	94	110	127.5	92	4-6.5	97	1000	228	105	245	107	-	-
CFB2E-150S	102	90	72	120	140	92	4-7.0	75.2	1000	228	105	254	107	-	-
CFB2E-160S	130	115	94	110	127.5	92	4-6.5	97	1000	228	105	245	107	-	-
CFB2E-180S	125	110	85	135	150	110	4-7.0	132	1000	261	120	281	123	-	-
CFB4E-180S	180	2X80	130	3X85	275	225	10-7.0	158	1000	297	133	333	136	85	80
CFB4E-200S	195	2X87.5	145	2X90	199.5	150	8-7.0	172	1000	329	147	371	151.5	-	87.5
CFB4D-225S	195	2X87.5	145	3X93	299.5	250	10-7.0	181	1000	328	158	371	151.5	93	87.5

Dual Inlet

CFB2E-133D	255	237	215	92	110	70	6-Φ6.0	217	1000	174	90	180	79	-	-
CFB2E-146D	270	252	230	122	140	100	6-Φ6.0	232	1000	210	100	218	97	-	-
CFB4E-160D	310	4X73.5	270	129	145	105	12-Φ6.0	312	1000	228	105	245	107	-	73.5
CFB4D-180D	300	4X70	250	4X63.5	275	225	16-Φ7.0	252	1000	297	133	333	136	63.5	70
CFB4D-200D	330	4X77.5	280	4X70	300	250	16-Φ7.0	282	1000	329	147	370	151	70	77.5
CFB4D-225D	330	4X77.5	280	4X70	300	250	16-Φ7.0	282	1000	328	158	370	151	70	77.5

Specifications

Model	Size mm	Phase	Voltage (VAC)	Frequency (Hz)	Current (A)	Power (W)	Speed (RPM)	Airflow (M³/hr)	Noise (dBA)	Cap µf/450V	wt Kg
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Single Inlet

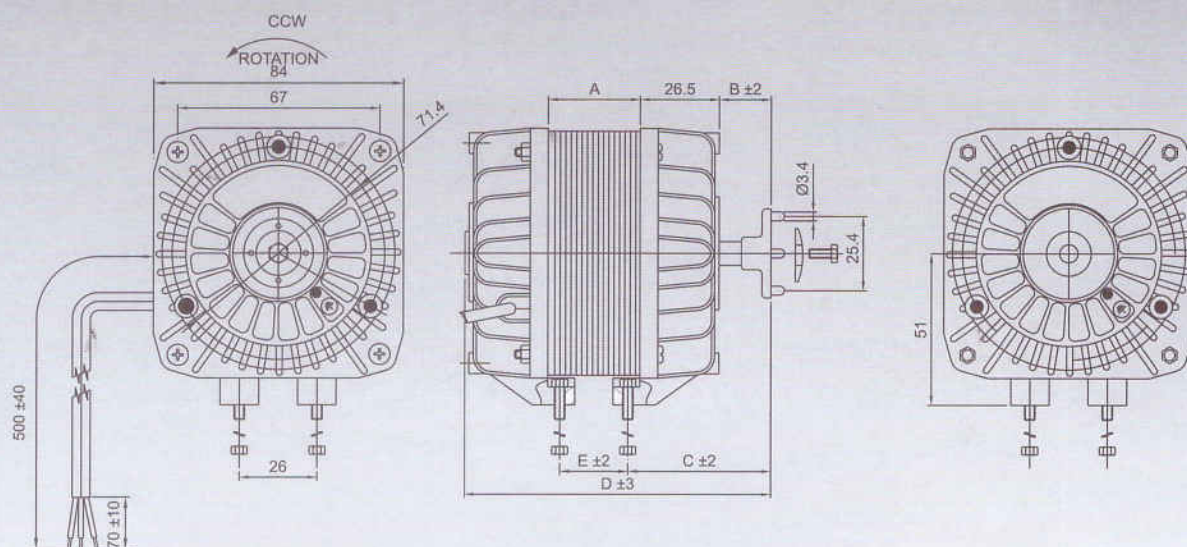
CFB2E-140S	Φ140X65	Single	230	50	0.75	165	2420	480	73	4.0	2.9
CFB2E-150S	Φ150X65	Single	230	50	1.0	220	2300	475	60	4.0	3.8
CFB2E-160S	Φ160X65	Single	230	50	1.15	240	2100	600	73	6.0	4.0
CFB2E-180S	Φ180X55	Single	230	50	1.85	420	2000	750	74	8.0	6.1
CFB4E-180S	Φ180X95	Single	230	50	0.99	230	1318	1130	73	5.0	6.6
CFB4E-200S	Φ200X105	Single	230	50	1.30	290	1320	1365	70	8.0	8.0
CFB4D-225S	Φ225X105	Three	415	50	0.84	460	1310	1800	76	-	10.0

Dual Inlet

CFB2E-133D	Φ133X180	Single	230	50	0.85	190	1500	680	60	3.0	3.7
CFB2E-146D	Φ146X180	Single	230	50	1.10	250	1660	950	61	6.0	4.5
CFB4E-160D	Φ160X210	Single	230	50	0.81	180	1300	1240	64	5.0	6.0
CFB4D-180D	Φ180X195	Three	415	50	0.55	290	1050	1900	63	-	9.8
CFB4D-200D	Φ200X210	Three	415	50	0.91	480	1100	2500	64	-	12
CFB4D-225D	Φ225X210	Three	415	50	1.17	690	1050	2950	65	-	12.6

Specifications subject to change without notice

Q Motors



Dimensions (mm)

Model	A	B	C	D	E
83 A 230 SAC-5	13	13	44	79	-
83 A 230 SAC-7	20	13	44	85	-
83 A 230 SAC-10	20	13	44	85	-
83 A 230 SAC-16	25	14	45	92	-
83 A 230 SAC-18	30	17	48	101	21
83 A 230 SAC-25	40	18	49	112	31
83 A 230 SAC-34	45	22	53	121	36

Specifications

Model	Poles	Voltage (VAC)	Frequency (Hz)	Input Watt	Output Watt	Speed (RPM)	Fan Blade	Rotation
83 A 230 SAC-5	4	230	50Hz	30	5	1300	200	CCW
83 A 230 SAC-7	4	230	50Hz	35	7	1300	230	CCW
83 A 230 SAC-10	4	230	50Hz	45	10	1300	230	CCW
83 A 230 SAC-16	4	230	50Hz	50	16	1300	254	CCW
83 A 230 SAC-18	4	230	50Hz	70	18	1300	254	CCW
83 A 230 SAC-25	4	230	50Hz	90	25	1300	300	CCW
83 A 230 SAC-34	4	230	50Hz	110	34	1300	300	CCW

Specifications subject to change without notice

Accessories



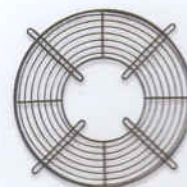
Aluminium Blades(sucking & blowing) available in dia 154,172,200,230,254&300mm.Pitch available from 19° upto 34°



Bracket

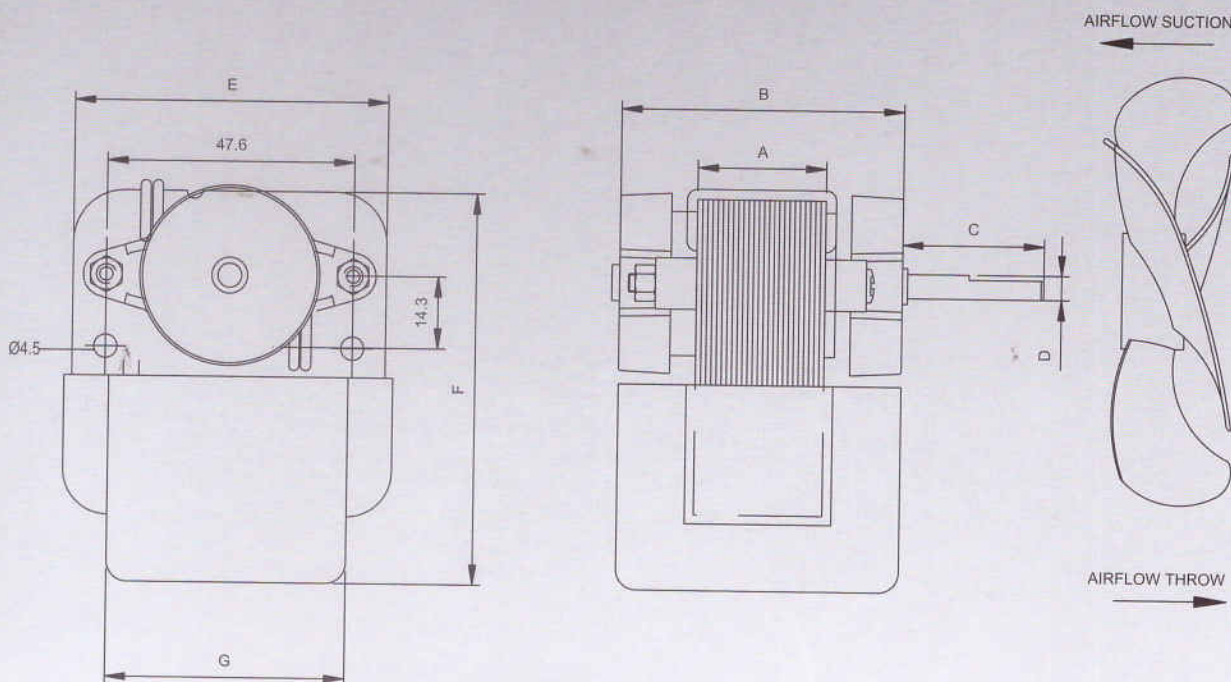


Wall Ring



Basket Grill

C Frame Motors



Dimensions (mm)

Model No.	A	B	C	D	E	F	G
61A230SAC-10	10	41	34	3.18	61.0	71	38
61A230SAC-25	25	56	21	4.76	61.0	76	47

Specifications

Model No.	Voltage (VAC)	Frequency (Hz)	Current (mA)	Speed (RPM)	Watt (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
61A230SAC-10	230	50	100	2600	8	70	6	35
61A230SAC-25	230	50	300	2200	35	150	10	40

Specifications subject to change without notice

Accessories



Plastic Impellers (150 mm & 100mm)



Bracket