

HICOOLTM
Air Moving Products

Fans for
climate control
in HVAC & R
systems



www.hicoolfans.com



Corporate Headquarters

Performance with Purpose

Founded in 1988, Hicool is a leading manufacturer of motors, fans and blowers serving diverse markets and covering the entire scope of air moving technology and thermal solutions.

Our highly skilled team are driven every single day to create tailor-made solutions for complex applications in different industries. Our engineers are passionate about working very closely with our customers to meet their exact requirements in the most cost-effective way.

By having full control of our process chain, we are able to deliver unrivalled quality products with superior lifespans and reliability.

Hicool products enhance operational efficiency, save energy and improve customer product and equipment lifetime by providing the desired amount of temperature control.

With 2 state of the art manufacturing facilities and a yearly capacity of over 15 million motors we are able to cater to the rising demand of climate and temperature control products.

Do contact us for tailor-made solutions for your needs.



Compact Fans - AC



Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Watt (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
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80X80X25mm

8A115HBAC	Ball	115	50/60	0.210/0.180	2300/2800	14/12	21/25	4/4.8	29/34
8A115HSAC	Sleeve	115	50/60	0.210/0.180	2300/2800	14/12	21/25	4/4.8	29/34
8A230HBAC	Ball	230	50/60	0.070/0.060	2300/2800	14/12	21/25	4/4.8	29/34
8A230HSAC	Sleeve	230	50/60	0.070/0.060	2300/2800	14/12	21/25	4/4.8	29/34

92X92X25mm

9A115HBAC	Ball	115	50/60	0.210/0.180	2300/2800	14/14	36/42	5/6	36/38
9A115HSAC	Sleeve	115	50/60	0.210/0.180	2300/2800	14/14	36/42	5/6	36/38
9A230HBAC	Ball	230	50/60	0.070/0.060	2300/2800	14/12	36/42	5/6	36/38
9A230HSAC	Sleeve	230	50/60	0.070/0.060	2300/2800	14/12	36/42	5/6	36/38

120X120X38mm

12A24HBAC	Ball	24	50/60	1/0.9	2650/2800	18/17	95/102	8.4/9.4	43/46
12A24HSAC	Sleeve	24	50/60	1/0.9	2650/2800	18/17	95/102	8.4/9.4	43/46
12A115HBAC	Ball	115	50/60	0.200/0.180	2650/2800	14/12	95/102	8.4/9.4	43/46
12A115HSAC	Sleeve	115	50/60	0.200/0.180	2650/2800	14/12	95/102	8.4/9.4	43/46
12A230HBAC	Ball	230	50/60	0.100/0.090	2650/2800	18/17	95/102	8.4/9.4	43/46

■ Ask for Low Noise versions

Specifications subject to change without notice

Compact Fans - AC



Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Watt (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
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120X120X38mm

12A230HSAC	Sleeve	230	50/60	0.100/0.090	2650/2800	18/17	95/102	8.4/9.4	43/46
12A415HBAC	Ball	415	50/60	0.070/0.060	2650/2800	20/20	95/102	8.4/9.4	43/46
12A415HSAC	Sleeve	415	50/60	0.070/0.060	2650/2800	20/20	95/102	8.4/9.4	43/46

172Φx150x51mm & 172x172x55mm

17A115HBAC	Ball	115	50/60	0.450/0.450	2600/2750	41/38	190/235	16/21	52/55
17A115HSAC	Sleeve	115	50/60	0.450/0.450	2600/2750	41/38	190/235	16/21	52/55
17A230HBAC	Ball	230	50/60	0.250/0.245	2600/2750	38/37	190/235	16/21	52/55
17A230HSAC	Sleeve	230	50/60	0.250/0.245	2600/2750	38/37	190/235	16/21	52/55
17A415HBAC	Ball	415	50/60	0.125/0.125	2600/2750	38/38	190/235	16/21	52/55
17A415HSAC	Sleeve	415	50/60	0.125/0.125	2600/2750	38/38	190/235	16/21	52/55

220ΦX60mm & 220X220X60mm

22A115HBAC	Ball	115	50	0.640	2300	50	360	23	56
22A115HSAC	Sleeve	115	50	0.640	2300	50	360	23	56
22A115HBAC-X	Ball	115	50	0.650	2600	55	430	28	56

■ Ask for Low Noise versions

Specifications subject to change without notice

17A and 22A models available in square and round casings

Compact Fans - AC



Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Watt (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
220ΦX60mm & 220X220X60mm									
22A115HBAC-X-6H	Ball	115	60	0.700	2600	55	430	28	56
22A230HBAC	Ball	230	50	0.320	2300	50	360	23	56
22A230HSAC	Sleeve	230	50	0.320	2300	50	360	23	56
22A230HSAC-X	Sleeve	230	50	0.32	2600	55	430	28	56
22A230HSAC-X-6H	Sleeve	230	60	0.40	2700	60	450	29	57
22A230HBAC-X	Ball	230	50	0.32	2600	55	430	28	56
22A230HBAC-X-6H	Ball	230	60	0.40	2700	60	450	29	57
22A415HBAC	Ball	415	50	0.200	2300	50	360	23	56
22A415HSAC	Sleeve	415	50	0.200	2300	50	360	23	56
22A415HSAC-X	Sleeve	415	50	0.160	2600	50	430	28	56
22A415HBAC-X	Ball	415	50	0.160	2600	50	430	28	56

■ Ask for Low Noise versions

Specifications subject to change without notice

17A and 22A models available in square and round casings

Compact Fans - EC



Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Watt (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)
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120X120X38mm

12P115HBEC	Ball	115	50/60	0.05	2600	5.5	95	7	43
12P115HSEC	Sleeve	115	50/60	0.05	2600	5.5	95	7	43
12P230HBEC	Ball	230	50/60	0.04	2600	5.5	95	7	43
12P230HSEC	Sleeve	230	50/60	0.04	2600	5.5	95	7	43
B12038230H	Ball	230	50/60	0.250	4500	30	243	29.2	64

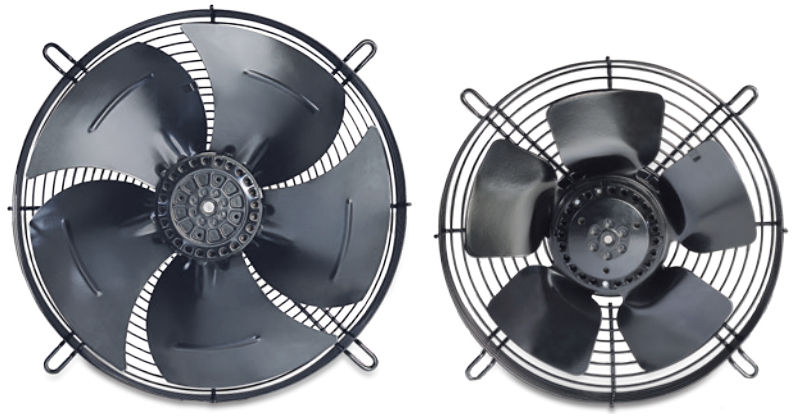
172X150X51mm

17A115HBEC	Ball	115	50/60	0.14	2600	12	190	16	52
17A115HSEC	Sleeve	115	50/60	0.14	2600	12	190	16	52
17A230HBEC	Ball	230	50/60	0.11	2600	12	190	16	52
17A230HSEC	Sleeve	230	50/60	0.11	2600	12	190	16	52

220X60mm

22A115HBEC	Ball	115	50/60	0.22	2500	22	405	24	56
22A230HBEC	Ball	230	50/60	0.17	2500	22	405	24	56

Large Axial Fans



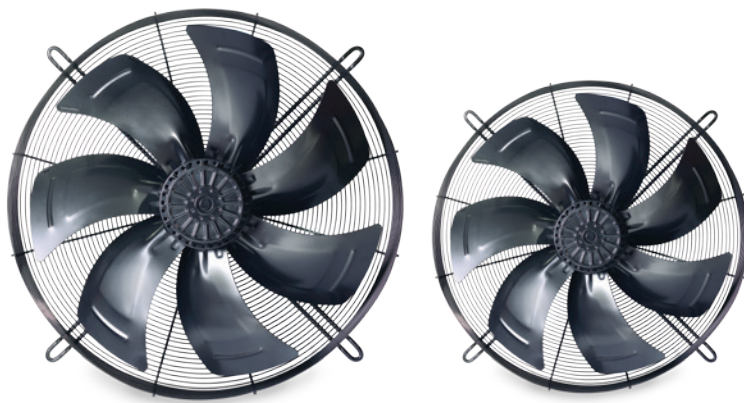
Model	Size in inch	Poles	Phase	Voltage (VAC)	Current (A)	Power (W)	Speed (RPM)	Airflow (M³/hr)	Airflow (CFM)	Noise dBA	Capacitor uf	wt Kg
2E-200	8	2	Single	230	0.30	65	2400	850	500	55	2	2.5
4E-200	8	4	Single	230	0.21	45	1450	450	265	46	1.5	2.5
4D-200	8	4	Three	415	0.12	35	1450	450	265	46	-	2.5
2D-200	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

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
Also available in 6 pole motors

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 uf	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

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

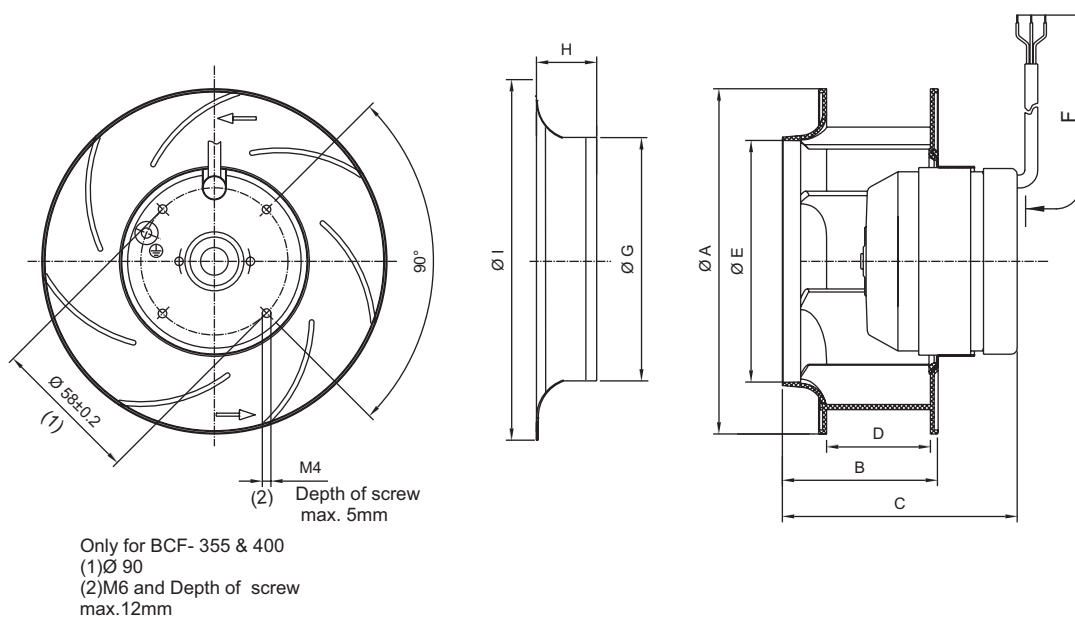
All models available in Suction (S) and Blow (B)
Also available 115VAC

Specifications subject to change without notice
Also available in 6 pole motors

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
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	0.40/0.34	61/66	2500/2700	440/470	59/62	2	1.2
BCF-190	Φ192 x 60	Single	230	50/60	0.39/0.48	80/90	2400/2600	570/630	62/65	2	1.6
BCF-220	Φ220 x 63	Single	230	50/60	0.44/0.50	95/120	2400/2600	800/865	65/68	3	2.7
BCF-225	Φ225 x 90	Single	230	50	0.57	129	2650	1070	79	4	2.7
BCF-250	Φ250 x 82	Single	230	50/60	0.83/1.13	190/250	2700/3030	1540/1660	74/76	6	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



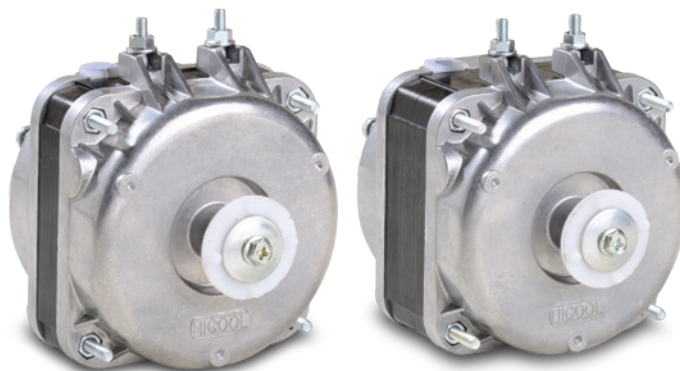
Dimensions (mm)

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	80	45	130	930	125	14	170
BCF-220	220	63	80	45	159	930	156.2	21	252
BCF-225	225	90	99	63	159	930	145	28	223
BCF-250	252	84.3	102	56	172	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

Available in DC Voltages
 Few sizes available in 3 Phase

Specifications subject to change without notice

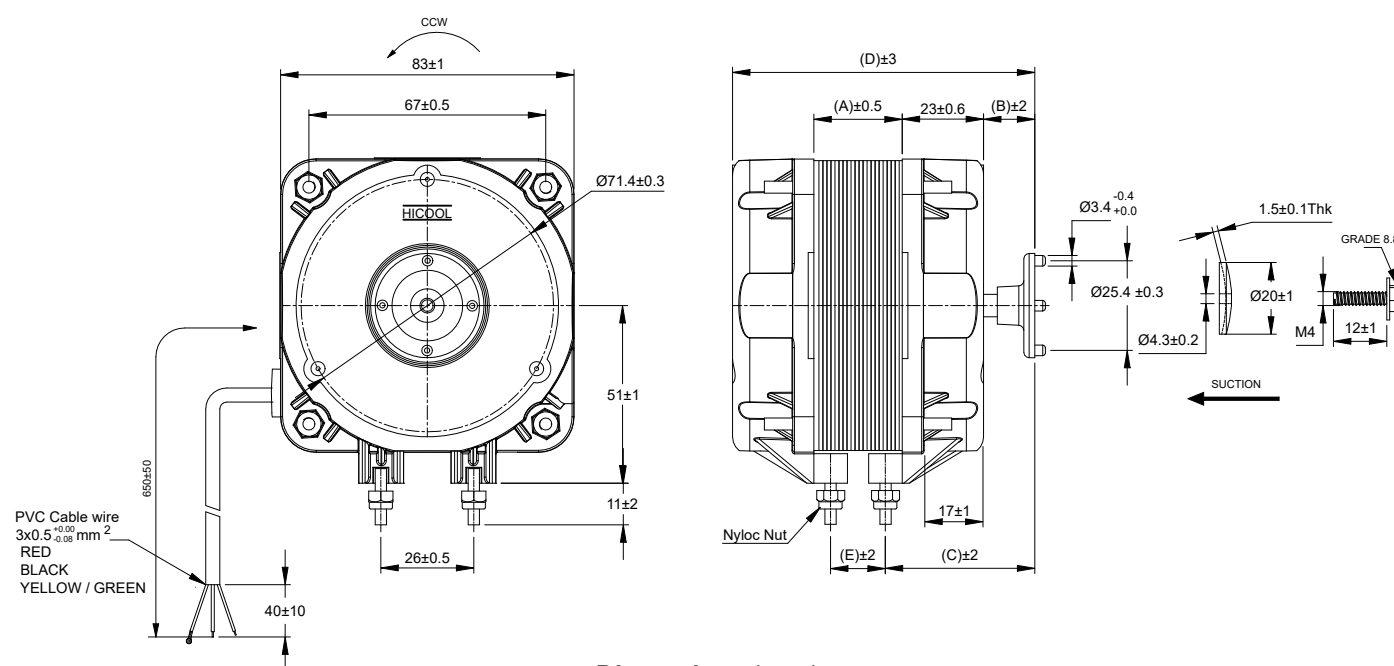
Q Motors



Model	Poles	Voltage (VAC)	Frequency (Hz)	Current	Input Watt	Output Watt	Speed (RPM)	Fan Blade	Rotation
83 A 230 SAC-5	4	230	50Hz	0.20	30	5	1300	200	CCW
83 A 230 SAC-7	4	230	50Hz	0.25	32	7	1300	230	CCW
83 A 230 SAC-10	4	230	50Hz	0.30	38	10	1300	230	CCW
83 A 230 SAC-16	4	230	50Hz	0.42	65	16	1300	254	CCW
83 A 230 SAC-25	4	230	50Hz	0.70	90	25	1300	300	CCW
83 A 230 SAC-34	4	230	50Hz	0.85	110	34	1300	300	CCW

Also available in Ball Bearing

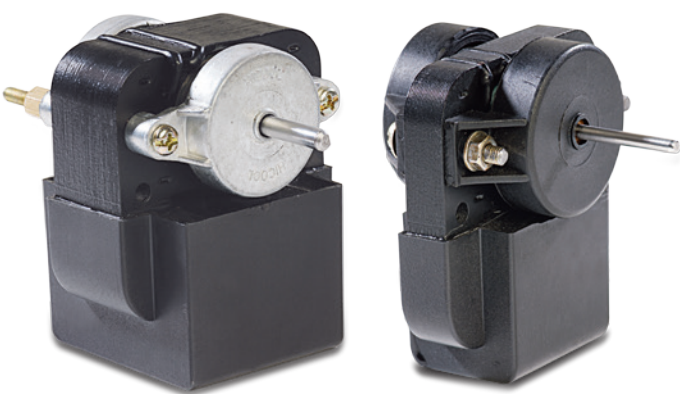
Specifications subject to change without notice



Dimensions (mm)

Model	A	B	C	D	E
83 A 230 SAC-5	13	13	41	73	-
83 A 230 SAC-7	19	13	41	79	-
83 A 230 SAC-10	19	13	41	79	-
83 A 230 SAC-16	25	13	41	86	-
83 A 230 SAC-25	40	25	53	112	31
83 A 230 SAC-34	45	28	56	121	36

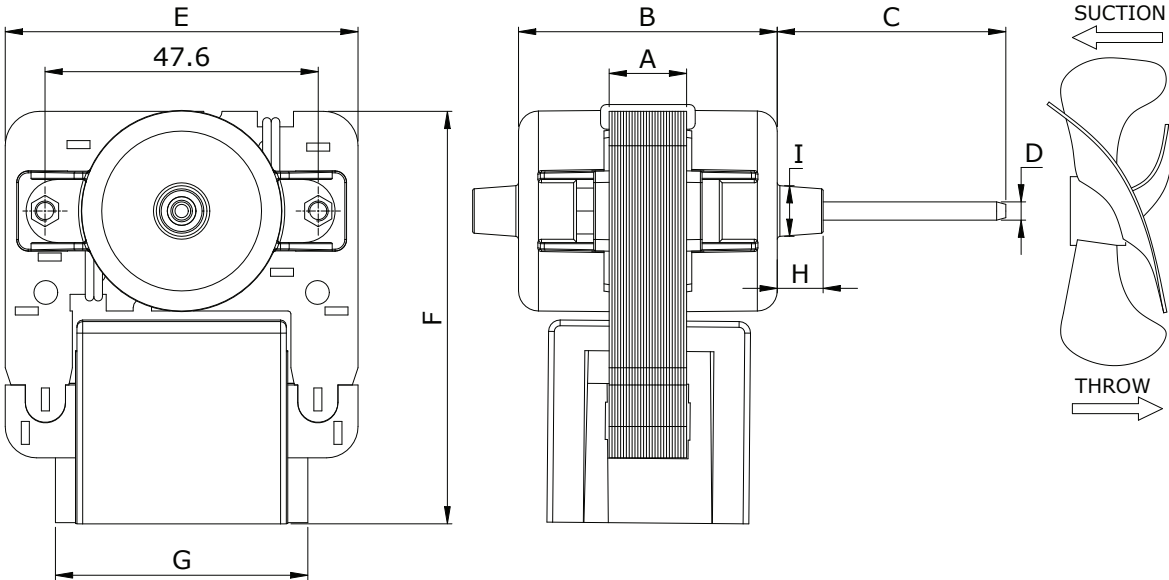
C Frame Motors



Model	Voltage (VAC)	Frequency (Hz)	Current (mA)	Speed (rpm)	Input Watt (w)	Output Watt (w)	Air Flow (cfm)	Noise (dBA)
61P230SAC-11L	230	50/60	65/55	2550/2700	7.5/7	1.4	65	35
61P230SAC-13L	230	50/60	70 /60	2600/2900	7/6.5	1.6	70	36
63P230SAC-15T	230	50/60	80/75	2700/3100	8/7.5	1.8	75	37

L- Lead wire type, T - Terminal type

Specifications subject to change without notice



Dimensions (mm)

Model	A	B	C	D	E	F	G	H	I
61P230SAC-11	11	43	42	3.18	61.5	72	44	8	8.6
61P230SAC-13	13	45	40	3.18	61.5	72	44	8	8.6
63P230SAC-15	15	48	16	3.18	63.5	75.5	37	-	-



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