



Technical Catalogue

Refrigeration



250k sq ft.
PRODUCTION AREA



15million
MOTORS/YEAR



200+
POINT OF SALES



EXPORT TO
20+
COUNTRIES



1000+
CUSTOMERS



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 three 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.



HICOOL
Air Moving Products

■ Certifications may vary by product.



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 ₂ O)	Noise (dBA)	Wt. kg
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80X80X25mm (Pack size: 50 No's)

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 No's)

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 No's)

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	0.200/0.180	2650/2800	14/12	95/102	8.4/9.4	43/46	20
12A115HSAC	Sleeve	115	50/60	0.200/0.180	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 ₂ O)	Noise (dBA)	Wt. kg
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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 x150x51mm & 172x172x55mm (Pack size: 20 No's)

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 No's)

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

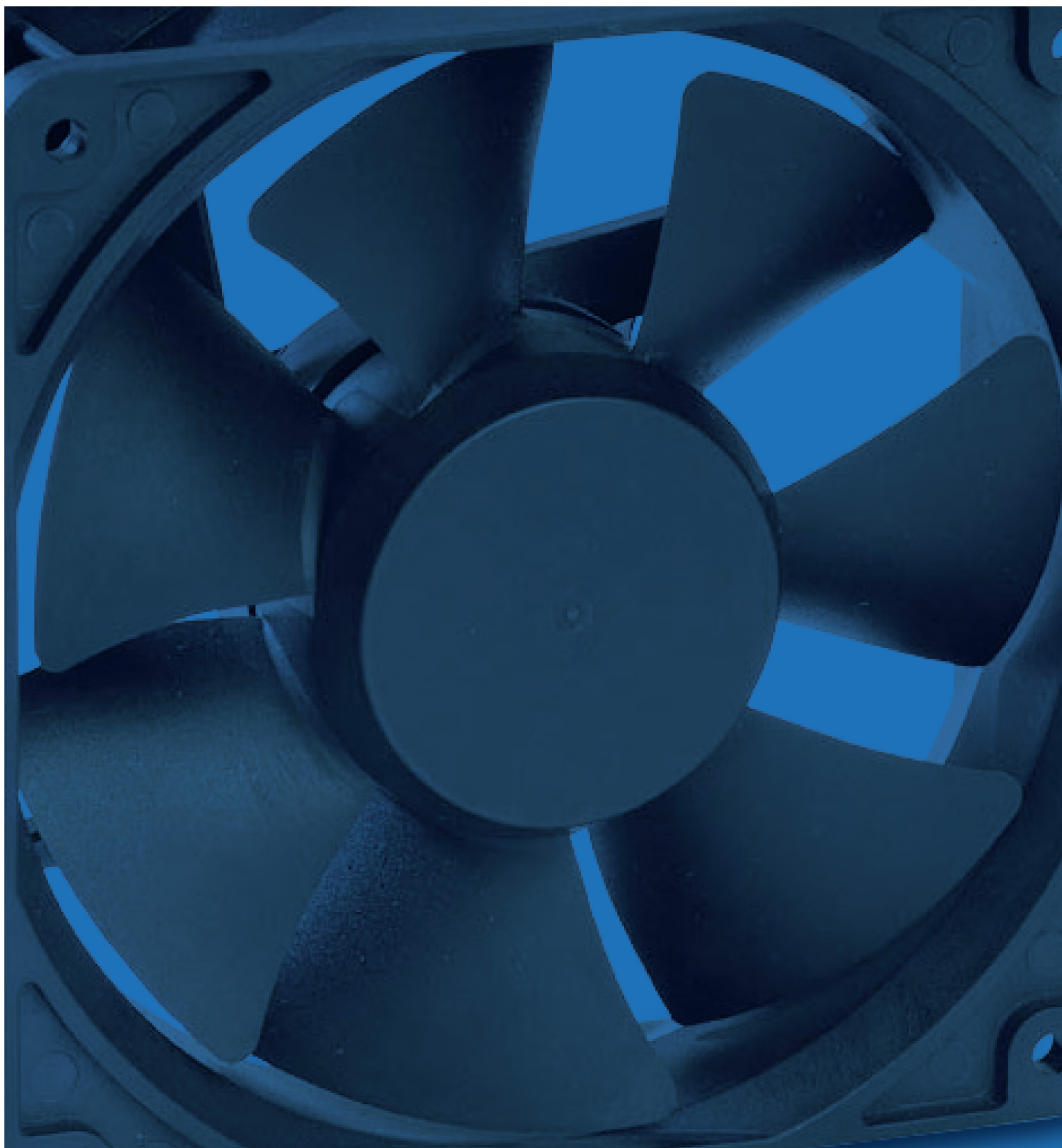


Model	Bearing	Voltage (VAC)	Frequency (Hz)	Current (A)	Speed (RPM)	Power (W)	Air Flow (CFM)	Static Pressure (mm H ₂ O)	Noise (dBA)	Wt. kg
22A115HBAC-X-6H	Ball	115	60	0.700	2600	55	430	28	56	16
22A230HBAC	Ball	230	50	0.320	2300	50	360	23	56	16
22A230HSAC	Sleeve	230	50	0.320	2300	50	360	23	56	16
22A230HSAC-X	Sleeve	230	50	0.32	2600	55	430	28	56	16
22A230HSAC-X-6H	Sleeve	230	60	0.40	2700	60	450	29	57	16
22A230HBAC-X	Ball	230	50	0.32	2600	55	430	28	56	16
22A230HBAC-X-6H	Ball	230	60	0.40	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 ₂ O)	Noise (dBA)	Wt. kg
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120X120X38mm (Pack size: 40 No's)

12P115HBEC	Ball	115	50/60	0.5	2600	5.5	95	7	43	11
12P115HSEC	Sleeve	115	50/60	0.5	2600	5.5	95	7	43	11
12P230HBEC	Ball	230	50/60	0.4	2600	5.5	95	7	43	11
12P230HSEC	Sleeve	230	50/60	0.4	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

172 Φ x150x51mm & 172x172x55mm (Pack size: 20 No's)

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	0.11	2600	12	190	16	52	20
17A230HSEC	Sleeve	230	50/60	0.11	2600	12	190	16	52	20

220 Φ X60mm & 220X220X60mm (Pack size: 10 No's)

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

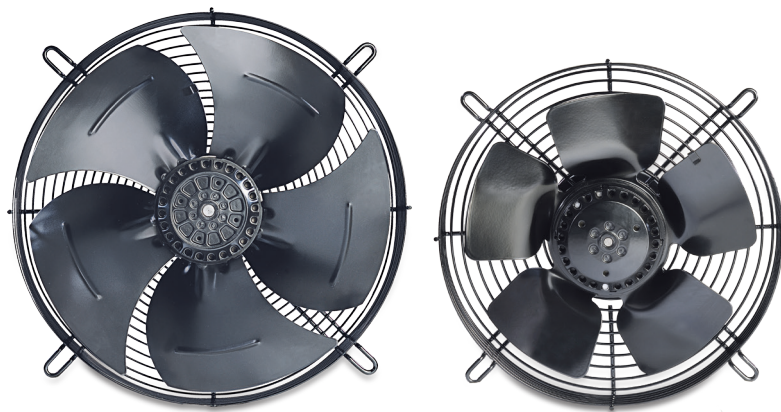
Note:

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



Large Axial Fans

Large Axial Fans



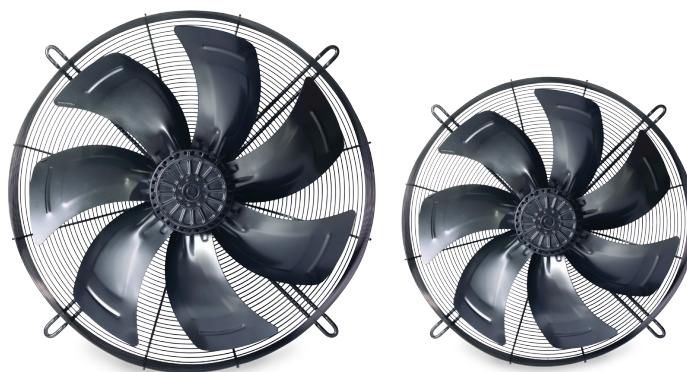
Model	Size in inch	Poles	Phase	Voltage (VAC)	Current (A)	Power (W)	Speed (RPM)	Airflow (M ³ /hr)	Airflow (CFM)	Noise dBA	Capacitor μ f	wt Kg
2E-200	8	2	Single	230	0.30	65	2400	850	500	55	2	2.5
4E-200	8	4	Single	230	0.21	45	1450	450	265	46	1.5	2.5
4D-200	8	4	Three	415	0.12	35	1450	450	265	46	-	2.5
2D-200	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 Blow (B)
- Multiple frequency and voltage range options available
- Also available in 6 pole motors

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 μ f	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	Δ 415	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	Δ 415	2.85	1200	920	20695	12181	75	-	35.0
6D-800	32	6	Three	Y415	1.65	930	770	17635	10380	74	-	35.0

Note:

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

Specifications subject to change without notice

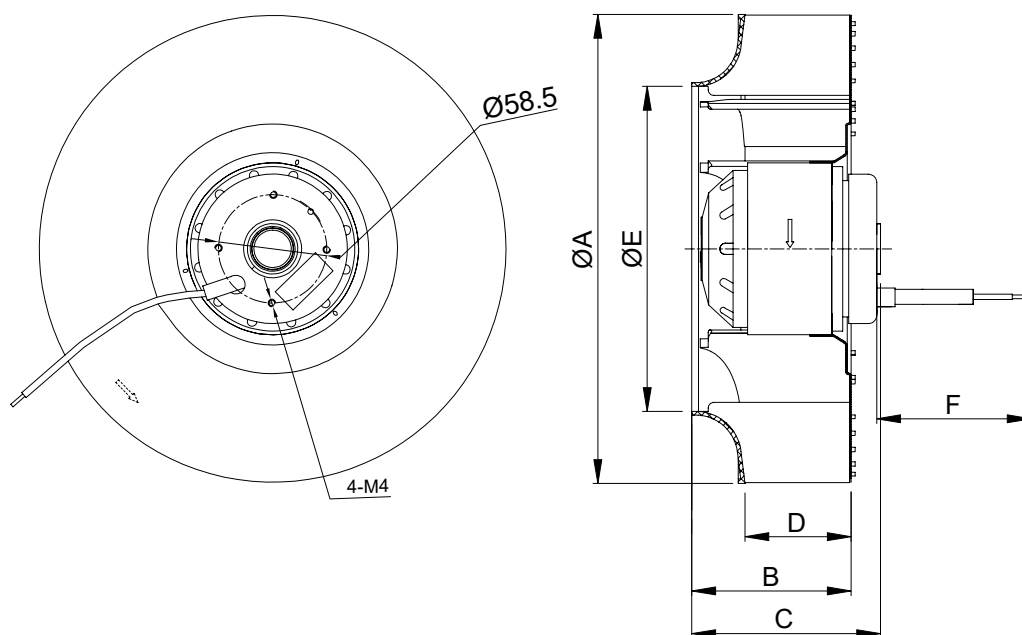


Backward Curved Fans

Backward Curved 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
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	Φ192 x 63	Single	230	50/60	0.39/0.48	65/68	2400/2600	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	50/60	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	6	13	1



Dimensions (mm)

Model	A	B	C	D	E	F
BCF-133	133	59.5	77.5	42	93	600
BCF-175	180	61.5	71	45	131	1000
BCF-190	192	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

Note:

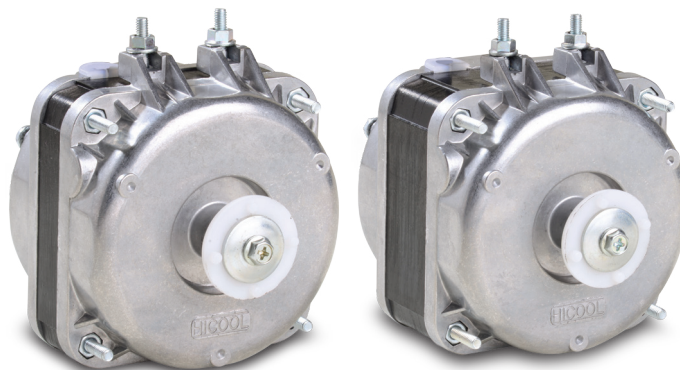
- Few sizes available in 3 Phase.

Specifications subject to change without notice



Q Motors

Q Motors

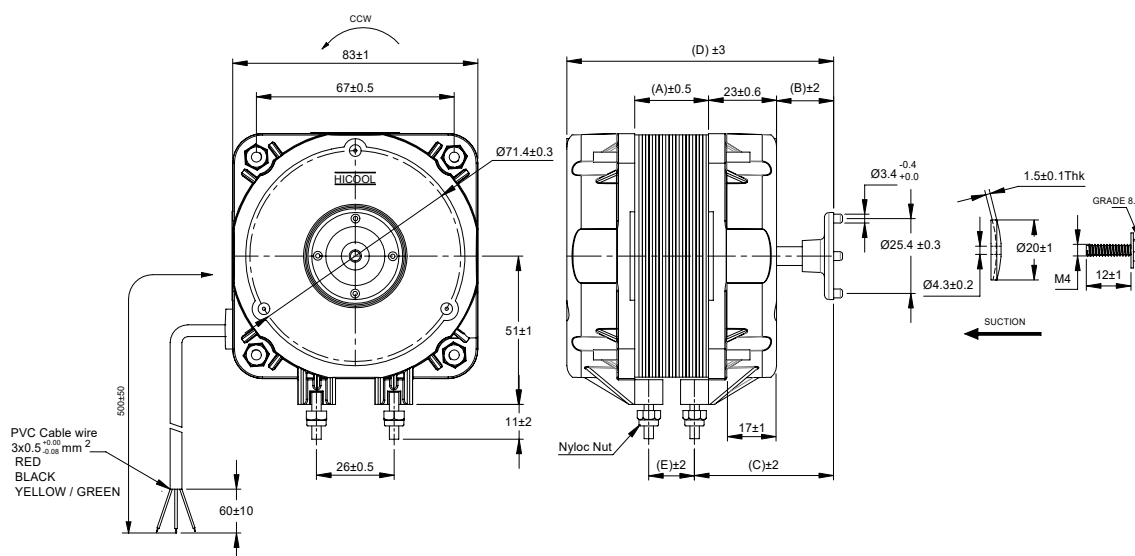


Model	Poles	Voltage (VAC)	Frequency (Hz)	Current	Input Watt	Output Watt	Speed (RPM)	Recommended Fan Blade	Rotation	Pack Size	Wt. kg
83 A 230 SAC-05	4	230	50	0.20	30	5	1300	200/28°	CCW	20	20
83 A 230 SAC-07	4	230	50	0.25	32	7	1300	230/28°	CCW	20	24
83 A 230 SAC-10	4	230	50	0.30	38	10	1300	230/28°	CCW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



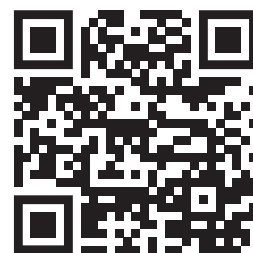
Dimensions (mm)

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.

Notes



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