

AC Single Phase External Rotor Motor Fan

■ CE ■ ISO 9001 ■ RoHS ■ Insulation Fclass ■ Protection IP44

Backward Curved
Centrifugal Fan



Single Inlet
Centrifugal Fan



Double Inlet
Centrifugal Fan



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Backward Curved Centrifugal Fan

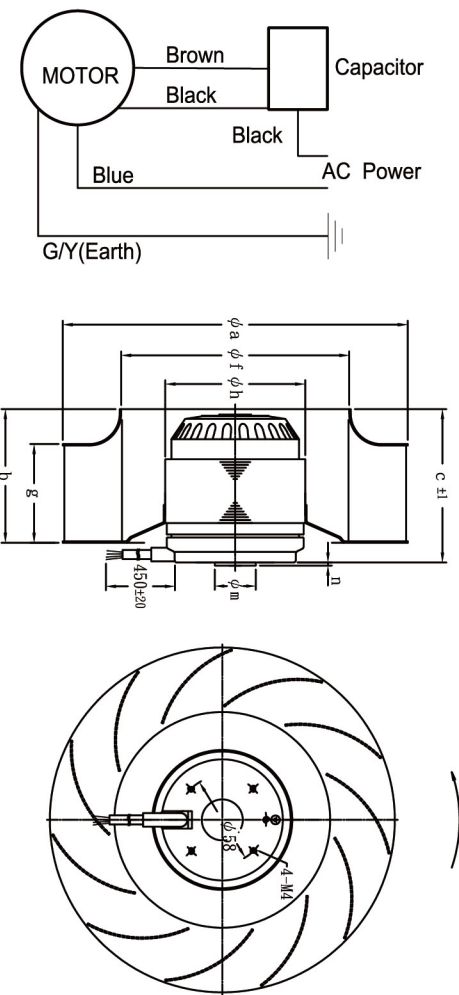
220V 4 Pole Performance

Model Type	Motor	V	Hz	M ₃ /hr	RPm	Wi	A	μ F/ Vac	Pa	Da	Kg
86L4B225AA2000	814BM025	220	50	590	1440	50	0.25	2/450	0	55	3.2
			60	670	1650	55	0.26			59	
86L4B225AB1900	814BM025	220	50	440	1440	30	0.14	1.5/450	0	54	3.0
			60	550	1700	40	0.19			58	
86L4B250AA2100	814BM025	220	50	720	1385	60	0.3	2/450	0	61	3.2
			60	890	1600	70	0.33			64	
86L4B280AA0400	814BM042	220	50	1040	1390	130	0.67	4/450	0	62	3.6
			60	1170	1645	145	0.7			67	
86L4B305AA0400	814BM042	220	50	1260	1395	125	0.67	4/450	0	67	3.5
			60	1520	1645	150	0.67			70	
86L4B355AB4200	814BM060	220	50	1880	1370	160	0.73	6/450	0	66	4.3
86L4B355AB5200	814BM060	220	60	1880	1370	230	1.05	6/450	0	66	4.3

Outline Dimension Data

Model Type	A	B	C	F	G	H	M	N
86L2B175AA	175	47	55	132	32	92	27	2
86L2B190AA	190	64	72	133	46	92	27	2
86L2B225AA	225	88	100	153	65	92	27	2
86L2B225AB	225	65	75	153	42	92	27	2
86L2B250AA	250	76	88	187	52	92	27	2
86L2B280AB	280	72	92	210	44	92	27	2
86L4B225AA	225	88	100	153	65	92	27	2
86L4B225AB	225	65	75	153	42	92	27	2
86L4B250AA	250	76	88	187	52	92	27	2
86L4B280AA	280	106	114	210	78	92	27	2
86L4B305AA	305	92	110.5	206	57	92	27	2
86L4B355AB	305	108	128	240	75	92	27	2

Wiring Connection



Backward Curved Centrifugal Fan

- ◆ Ball Bearings
- ◆ Insulation F class
- ◆ Protection IP44
- ◆ Material: Steel Impeller
- ◆ Steel Painted Black Scroll



110V 2&4 Pole Performance

Model Type	Motor	V	Hz	M ₃ /hr	RPm	Wi	A	μ F/ Vac	Pa	Da	Kg
86L2B175AA1100	812BM015	110	60	430	2650	70	0.62	8/250	0	58	1
86L2B190AA6100	812BM015	110	60	570	2385	86	0.8	8/250	0	61	1.6
86L2B225AA1300	812BM042	110	60	1050	2900	200	1.9	20/250	0	75	3.4
86L2B225AB1200	812BM025	110	60	870	2925	115	1.05	12/250	0	72	2.3
86L2B250AA0100	812BM042	110	60	1150	2200	220	2	20/250	0	76	3.1
86L2B280AB0500	812BM042	110	60	1230	2370	300	2.8	30/250	0	75	3
86L4B225AA5900	812BM025	110	60	670	1650	55	0.52	8/250	0	59	2.4
86L4B225AB11A0	812BM025	110	60	550	1700	40	0.38	6/250	0	58	2.4
86L4B250AA4400	812BM042	110	60	890	1600	70	0.7	8/250	0	64	3.4
86L4B280AA11A0	812BM042	110	60	1170	1645	145	1.34	16/250	0	67	3.8
86L4B305AB1100	812BM042	110	60	1520	1645	150	1.12	16/250	0	70	3.5

220V 2Pole Performance

Model Type	Motor	V	Hz	M ₃ /hr	RPm	Wi	A	μ F/ Vac	Pa	Da	Kg
86L2B175AA2700	812BM015	220	50	410	2550	60	0.27	2/450	0	56	1.2
			60	430	2650	70	0.31			58	
86L2B190AA2300	812BM015	220	50	570	2410	73	0.32	2/450	0	61	2.0
			60	555	2385	86	0.4			63	
86L2B225AA1800	812BM042	220	50	980	2620	140	0.65	5/450	0	71	3.4
			60	1050	2870	200	0.92			75	
86L2B225AB1700	812BM025	220	50	830	2650	85	0.39	3/450	0	70	2.3
			60	870	2925	115	0.52			72	
86L2B250AA0600	812BM042	220	50	1100	2200	195	0.92	6/450	0	75	3.1
			60	1150	2355	250	1.15			76	
86L2B280AB2600	812BM042	220	50	1200	2310	234	1.08	8/450	0	73	3.5
			60	1230	2370	307	1.41			75	

Single Inlet Centrifugal Fan

- ♦ Ball Bearings
- ♦ Insulation F class
- ♦ Protection IP44
- ♦ Material: Steel Impeller
- ♦ Steel Painted Black Scroll



110V 2&4 Pole Performance

Model Type	Motor	V	Hz	M ₃ /hr	RPm	Wi	A	μ F/ V ac	Pa	Da	Kg
86G2B120AA5700	812BM015	110	60	335	2010	110	1	12/250	0	64	2.5
86G2B146AA5300	812BM015	110	60	525	2060	225	1.72	16/250	0	63	2.6
86G2B160AA5400	812BM042	110	60	565	2200	245	2.24	20/250	0	72	3.9
86G2B160AA5500	812BM042	110	60	625	1980	300	2.76	30/250	0	72	3.9
86G4B160AA5600	812BM042	110	60	445	1400	90	0.6	8/250	0	66	2.9
86G4B180AA5200	812BM060	110	60	640	1180	155	1.12	12/250	0	65	6.4
86G4B200AA5800	812BM060	110	60	890	1050	240	2.3	16/250	0	67	7

220V 2 Pole Performance

Model Type	Motor	V	Hz	M ₃ /hr	RPm	Wi	A	μ F/ V ac	Pa	Da	Kg
86G2B120AA3000	812BM015	220	50	355	2010	90	0.41	3/450	0	63	2.5
			60	340	2080	110	0.5			64	
86G2B146AA2800	812BM042	220	50	535	2140	190	0.71	4/450	0	64	2.6
			60	525	2060	225	0.86			63	
86G2B160AA2900	812BM042	220	50	600	2075	205	0.93	6/450	0	68	3.9
			60	565	1980	245	1.12			67	
86G2B160AA0600	812BM042	220	50	625	2190	235	1.1	8/450	0	72	3.9
			60	640	2200	300	1.38			72	

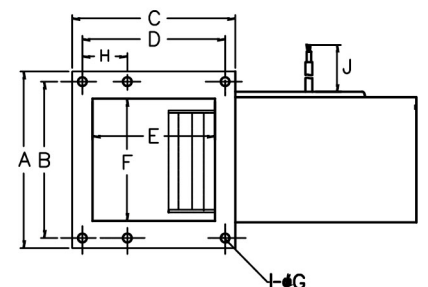
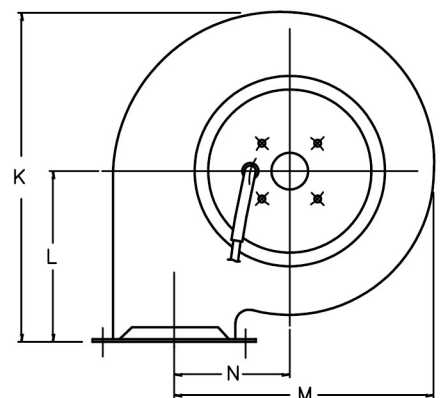
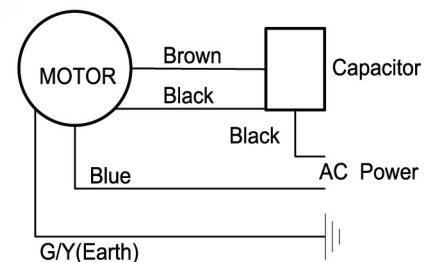
220V 4 Pole Performance

Model Type	Motor	V	Hz	M ₃ /hr	RPm	Wi	A	μ F/ V ac	Pa	Da	Kg
86G4B160AA3200	814BM025	220	50	410	1300	70	0.32	2/450	0	65	2.9
			60	445	1400	90	0.4			66	
86G4B180AA3300	814BM035	220	50	640	1180	120	0.56	3/450	0	65	6.4
			60	670	1220	155	0.7			66	
86G4B200AA0400	814BM042	220	50	960	1140	205	1	4/450	0	68	7
			60	890	1050	240	1.15			67	

Outline Dimension Date

Model Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N
86G2B120AA	120	100	110	90	86	78	6.5	~	4	560	208	102	166	77
86G2B146AA	130	115	120	105	90	92	6.5	~	4	560	226	104	203	94
86G2B160AA	130	115	120	105	90	92	6.5	~	4	560	226	104	203	94
86G4B160AA	130	115	120	105	90	92	6.5	~	4	560	226	104	203	94
86G4B180AA	145	125	145	125	110	104	6.5	44	6	560	270	120	245	114
86G4B200AA	180	160	180	160	124	104	6.5	~	4	560	350	170	285	140

Wiring Connection



Double Inlet Centrifugal Fan

- ◆ Ball Bearings
- ◆ Insulation F class
- ◆ Protection IP44
- ◆ Material: Steel Impeller
- ◆ Steel Painted Black Scroll



110V 2&4 Pole Performance

Model Type	Motor	V	Hz	M3/hr	RPm	Wi	A	μ F/ Vac	Pa	Da	Kg
86K2B133AA5100	812BM042	110	60	580	1290	165	1.52	20/250	0	56	3.5
86K2B146FA0100	812BM042	110	60	910	1040	250	2.03	20/250	0	63	4.4
86K2B146FA0500	812BM042	110	60	1040	1610	330	3.02	30/250	108	72	4.4
86K4B146FA11A0	812BM035	110	60	790	950	110	1.02	10/250	0	55	4.2
86K4B146FA3800	812BM035	110	60	980	1415	160	1.48	16/250	0	56	4.3
86K4B160AA6000	812BM042	110	60	1210	1380	190	1.73	20/250	0	58	4.5
86K4B180AA0800	812BM060	110	60	1350	860	208	1.92	20/250	0	66	8

220V 2 Pole Performance

Model Type	Motor	V	Hz	M3/hr	RPm	Wi	A	μ F/ Vac	Pa	Da	Kg
86K2B133AA0200	812BM042	220	50	610	1440	150	0.69	5/450	0	59	4.2
			60	580	1290	165	0.76			56	
86K4B146FA0300	812BM042	220	50	990	1130	225	1.03	6/450	0	61	4.8
			60	910	1040	250	1.15			61	
86K2B146FA0600	812BM042	220	50	1065	1690	285	1.3	8/450	108	63	4.8
			60	1045	1610	330	1.51			63	

220V 4 Pole Performance

Model Type	Motor	V	Hz	M3/hr	RPm	Wi	A	μ F/ Vac	Pa	Da	Kg
86K4B133AA3500	814BM025	220	50	535	1170	65	0.3	2/450	0	55	4.1
			60	550	1200	80	0.37			56	
86K4B146FA3600	814BM035	220	50	835	1000	100	0.46	2.5/450	0	55	4.3
			60	790	950	120	0.55			58	
86K4B160AA3700	814BM042	220	50	1100	1285	145	0.67	5/450	0	58	4.5
			60	1210	1380	190	1.51			58	
86K4B180AA1500	814BM060	220	50	1370	885	180	0.88	5/450	0	65	8
			60	1350	860	208	0.96			66	

Outline Dimension Data

Model Type	A	B	C	D	E	G	I	K	L	M	P	N	O	S	Q	R
86K2B133AA	254	238	108	92	67	5.5	215	172	89	180	65.5	~	~	~	~	~
86K2B146FA	270	254	142	126	102	5.5	232	206	97	219	69	120	135	142	90	260
86K4B133AA	254	238	108	92	67	5.5	215	172	89	180	65.5	~	~	~	~	~
86K4B146FA	270	254	142	126	102	5.5	232	206	97	219	69	120	135	142	90	260
86K4B160AA	270	254	142	126	102	5.5	232	238	143	238	80	~	~	~	~	~
86K4B180AA	314	288	245	220	192	6.5	262	316	150	357	93	145	172	194	130	290

Wiring Connection

