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Axial Flow Fans - AC Voltage

Aluminium Housing AC Voltage



- Die-cast aluminium housing
- Metal or UL 94V-0 rated plastic impeller
- Ball(BB) or sleeve(SL) bearing
- Suffix W = Lead wire or T = Pin connections
- Approvals - According to type (Please see Data-Sheet for details)
- Operating temperature -30 to +75°C (BB), -10 to +70°C (SL)

Dimensions			Voltage V ac	Power Watts	Air Flow cu ft/min	Noise dBA@1m	Bearing Terminal		Order Code
H	W	D					Mfrs. List No.		
Metal Housing - Metal Impeller									
80	80	38	230	12	18	23	Ball	Lead	3E-230B-20-W183-2313
80	80	38	230	12	18	23	Sleeve	Lead	3E-230S-20-W183-2314
80	80	38	230	11	44	31	BB	Lead	3E-230B-W 971-4545
92	92	38	230	16	80	38	BB	Lead	3.5E-230HB-W971-4561
119	119	38	230	19	52.3	27	Ball	Pins	4E-230B-17-T 183-2315
119	119	38	230	19	52.3	27	Sleeve	Pins	4E-230S-17-T 183-2316
119	119	38	115	24	106	46	BB	Pin	4E-115B-02T 971-4570
119	119	38	230	22	180	46	BB	Pin	4E-230B-02T 971-4588
170	150	55	115	48	340	50	BB	Lead	5E-115B-W 971-4596
170	150	55	230	46	340	50	BB	Lead	5E-230B-W 971-4600
Dual Voltage									
80	80	38	115/230	13/13	26/32	31/34	BB	Lead	3E-DVB-W 971-5371
80	80	38	115/230	13/13	26/32	31/34	SL	Lead	3E-DVS-W 971-5380
120	120	38	115/230	22/21	85/95	41/45	BB	Lead	4E-DVB-02W 971-5398
120	120	38	115/230	22/21	85/95	41/45	SL	Lead	4E-DVS-02W 971-5401
170	150	55	115/230	45/50	200/240	50/53	BB	Lead	5E-DVB-1-W 971-5410
Metal Housing - Plastic Impeller									
80	80	25	230	16	14	22	Ball	Pins	8P-230LB-T 183-2304
80	80	25	230	16	14	22	Sleeve	Pins	8P-230LS-T 183-2305
80	80	25	230	18	24	31	BB	Pin	8P-230HB-T 971-5088
80	80	25	230	18	36	31	BB	Lead	8P-230HB-W 971-4669
80	80	25	230	18	36	31	SL	Lead	8P-230HS-W 971-4642
80	80	38	115	15	34	30	BB	Pin	3C-115HB-T 971-5053
80	80	38	230	12	35	29	BB	Pin	3C-230HB-T 971-5061
80	80	38	230	15	35	29	BB	Lead	3C-230HB-W 971-4626
92	92	25	230	16	22.35	28	Ball	Pins	9P-230LB-T 183-2306
92	92	25	230	16	22.35	28	Sleeve	Pins	9P-230LS-T 183-2307
92	92	25	230	16	34	35	BB	Pin	9P-230HB-T 971-5100
92	92	25	230	16	49	35	SL	Lead	9P-230HS-W 971-4685
92	92	25	230	16	49	35	BB	Lead	9P-230HB-W 971-4707
120	120	25	230	18	43.4	30	Ball	Pins	12P-230LB-T 183-2308
120	120	25	230	18	43.4	30	Sleeve	Pins	12P-230LS-T 183-2309
120	120	38	230	10	57	30	Ball	Pins	4C-230LB-T 183-2310
120	120	38	230	10	57	30	Sleeve	Pins	4C-230LS-T 183-2312
120	120	25	115	16	97	39	BB	Lead	12P-115HB-W 971-4715
120	120	25	230	18	66	39	BB	Lead	12P-230HB-W 971-4723
120	120	25	115	16	66	39	BB	Pin	12P-115HB-T 971-5134
120	120	25	230	18	66	39	BB	Pin	12P-230HB-T 971-5142
120	120	38	115	18	100	46	BB	Pin	4C-115HB-T 971-5150
120	120	38	230	22	100	46	BB	Pin	4C-230HB-T 971-5169
120	120	38	115	18	151	46	BB	Lead	4C-115HB-W 971-4758
120	120	38	230	22	151	46	BB	Lead	4C-230HB-W 971-4766
120	120	38	230	22	151	46	SL	Lead	4C-230HS-W 971-4740
Dual Voltage									
120	120	38	115/230	23/19	89/100	46/48	BB	Pin	4C-DVB-W 971-5355
120	120	38	115/230	23/19	89/100	46/48	SL	Pin	4C-DVS-W 971-5363

Dimensions			Voltage V ac	Power Watts	Air Flow cu ft/min	Noise dBA@1m	Bearing Terminal		Order Code
H	W	D					Mfrs. List No.		
Metal Housing - Metal Impeller									
230	80	80	38	NEW 183-2313					
230	80	80	38	NEW 183-2314					
230	80	80	38	971-4545					
230	92	92	38	971-4561					
230	119	119	38	NEW 183-2315					
230	119	119	38	NEW 183-2316					
115	119	119	38	971-4570					
230	119	119	38	971-4588					
115	170	150	55	971-4596					
230	170	150	55	971-4600					

Dimensions			Voltage V ac	Power Watts	Air Flow cu ft/min	Noise dBA@1m	Bearing Terminal		Order Code
H	W	D					Mfrs. List No.		
Metal Housing - Metal Impeller									
230	80	80	38	NEW 183-2313					
230	80	80	38	NEW 183-2314					
230	80	80	38	971-4545					
230	92	92	38	971-4561					
230	119	119	38	NEW 183-2315					
230	119	119	38	NEW 183-2316					
115	119	119	38	971-4570					
230	119	119	38	971-4588					
115	170	150	55	971-4596					
230	170	150	55	971-4600					

Voltage V ac	Dimensions			Order Code	Price Each
	H	W	D		
Dual Voltage					
115/230	80	80	38	971-5371	
115/230	80	80	38	971-5380	
115/230	120	120	38	971-5398	
115/230	120	120	38	971-5401	
115/230	170	150	55	971-5410	
Metal Housing - Plastic Impeller					
230	80	80	25	NEW 183-2304	
230	80	80	25	NEW 183-2305	
230	80	80	25	971-5088	
230	80	80	25	971-4669	
230	80	80	25	971-4642	
115	80	80	38	971-5053	
230	80	80	38	971-5061	
230	80	80	38	971-4626	
230	92	92	25	NEW 183-2306	
230	92	92	25	NEW 183-2307	
230	92	92	25	971-5100	
230	92	92	25	971-4685	
230	92	92	25	971-4707	
230	120	120	25	NEW 183-2308	
230	120	120	25	NEW 183-2309	
230	120	120	38	NEW 183-2310	
230	120	120	38	NEW 183-2312	
115	120	120	25	971-4715	
230	120	120	25	971-4723	
115	120	120	25	971-5134	
230	120	120	25	971-5142	
115	120	120	38	971-5150	
230	120	120	38	971-5169	
115	120	120	38	971-4758	
230	120	120	38	971-4766	
230	120	120	38	971-4740	
Dual Voltage					
115/230	120	120	38	971-5355	
115/230	120	120	38	971-5363	
Connecting Lead — 0.6m Long NEW 183-2331					
Connecting Lead — 1.8m Long NEW 183-2332					

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Axial Flow Fans - AC Voltage

AC Fans

Axial



- Low cost, high performance fans
- Overload protected using impedance protection
- Fitted with sleeve (SB) or ball (BB) bearings
- **UL94V-0** Rated plastic impellers
- Supplied with wire lead connections
- Approved to **CSA, UL** Recognised

Dimensions (mm)	Voltage V ac	Power Watts	Air Flow Lt/Sec	Noise dB(A)	Bearing Type	Speed RPM	Mfrs. List No.	Order Code
80 80 25	115	11	37	34	BB	2450	SF11580AT/1082HBL.GN	960-6530
80 80 25	230	14	37	34	BB	2450	SF23080AT/2082HBL.GN	960-6548
80 80 38	115	14	40.8	32	BB	2400	MCSF11580A/1083HBL.GN	156-8419
80 80 38	115	12	51	35	SB	2450	SF11580A/1083HSL.GN	960-6599
80 80 38	230	14	51	35	SB	2675	SF23080A/2083HSL.GN	960-6238
92 92 25	115	12	63	40	BB	2350	SF11592A/1092HBL.GN	960-6556
92 92 25	230	14	63	40	BB	2350	SF23092A/2092HBL.GN	960-6564
92 92 25	115	7	39	31	BB	1800	MCSF11592A/1092MBL.GN	156-8420
92 92 25	240	14	59.5	38	BB	2700	MCSF23092A/2092MBL.GN	156-8421
119 119 25	115	18	133	46	BB	2150	SP101AT/1122HBL.GN	960-6572
119 119 25	230	18	133	46	BB	2150	DP201AT/2122HBL.GN	960-6580
119 119 38	115	18	178	48	SB	2150	SP101A/1123HSL.GN	960-6629
119 119 38	230	11	129	38	SB	2150	DP203A/2123LSL.GN	960-6610
119 119 38	230	18	182	50	SB	2150	DP201A/2123HSL.GN	960-6637
120 120 25	115	12.5	79.9	37	BB	1700	MCSP103AT/1122LBL.GN	156-8422
120 120 25	240	13	91.75	40	BB	1900	MCDP203AT/2122LBL.GN	156-8423
120 120 38	115	11	132.5	39	BB	2300	MCSP103A/1123LBL.GN	156-8424
120 120 38	115	20	147.8	45	BB	2750	MCSP101A/1123HBL.GN	156-8426
120 120 38	240	10	122.3	37	BB	2150	MCDP203A/2123LBL.GN	156-8427
120 120 38	240	20	147.8	45	BB	2750	MCDP201A/2123HBL.GN	156-8428

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Mfrs. List No.	Order Code	Price Each
SF11580AT/1082HBL.GN	960-6530	
SF23080AT/2082HBL.GN	960-6548	
MCSF11580A/1083HBL.GN	156-8419	
SF11580A/1083HSL.GN	960-6599	
SF23080A/2083HSL.GN	960-6238	
SF11592A/1092HBL.GN	960-6556	
SF23092A/2092HBL.GN	960-6564	
MCSF11592A/1092MBL.GN	156-8420	
MCSF23092A/2092MBL.GN	156-8421	
SP101AT/1122HBL.GN	960-6572	
DP201AT/2122HBL.GN	960-6580	
SP101A/1123HSL.GN	960-6629	
DP203A/2123LSL.GN	960-6610	
DP201A/2123HSL.GN	960-6637	
MCSP103AT/1122LBL.GN	156-8422	
MCDP203AT/2122LBL.GN	156-8423	
MCSP103A/1123LBL.GN	156-8424	
MCSP101A/1123HBL.GN	156-8426	
MCDP203A/2123LBL.GN	156-8427	
MCDP201A/2123HBL.GN	156-8428	

AC Fans

Axial



- High cooling performance fans with internal rotor shaded-pole motor
- Overload protected using impedance protection
- Connection by lead or pin - Pin connection requires connecting lead
- Approved to **VDE, CSA** and **CE, UL** Recognised

Dimensions H x W x D (mm)	Voltage V ac	Power Watts	Air Flow m³/h	Noise dB(A)	Bearing Type	Connection Type	Mfrs. List No.	Order Code
80 x 80 x 38	115	8	36	21	SB	Lead	8830N	960-1473
80 x 80 x 38	115	11	47	28	SB	Lead	8800N	959-9800
80 x 80 x 38	115	11	61	34	SB	Lead	8500N	959-9754
80 x 80 x 38	115	11	61	35	BB	Lead	8506N	960-1414
80 x 80 x 38	115/220	11	49.3	31	SB	Lead	8560N	959-9924
80 x 80 x 38	230	9	30	18	SB	Lead	8880N	960-1481
80 x 80 x 38	230	12.5	37	24	SB	Lead	8850N	959-9797
80 x 80 x 38	230	12	50	30	SB	Lead	8550N	959-9762
80 x 80 x 38	230	12	50	31	BB	Lead	8556N	960-1422
80 x 80 x 38	115	12	61	34	Sleeve	Wire Leads	8500VV	178-1483
80 x 80 x 38	230	12	50	30	Sleeve	Wire Leads	8550VV	178-1484
92 x 92 x 25	115	5	39	27	BB	Pin	3906L	960-1430
92 x 92 x 25	115	9	70	40	BB	Pin	3906	960-0922
92 x 92 x 25	230	6	31	24	BB	Pin	3956L	960-1449
92 x 92 x 25	230	6	45	29	BB	Pin	3956M	960-1465
92 x 92 x 25	115	9	70	40	Sleeve	2 Flat Pin Terminals	3900	178-1428
92 x 92 x 25	230	11	59	35	Sleeve	2 Flat Pin Terminals	3950	178-1429
92 x 92 x 25	230	11	59	35	BB	Pin	3956	960-0930
92 x 92 x 38	230	12	20.8	36	SB	Lead	3650	960-0531
92 x 92 x 38	230	12	75	37	BB	Lead	3656	960-0558
119 x 119 x 25	115	12	135	42	BB	Pin	9906	960-0949

Dimensions	Voltage	Power	Air Flow	Noise	Bearing	Connection	Mfrs.	Order
119 x 119 x 25	230	9.5	84	29	BB	Pin	9956L	960-1503
119 x 119 x 25	230	14	117	37	BB	Pin	9956	960-0957
119 x 119 x 38	115	18	180	45	SB	Pins	4600Z	142-6724
119 x 119 x 38	115	18	180	45	BB	Pins	4606Z	142-6725
119 x 119 x 38	115	10	85	26	SB	Pin	4840N	959-9789
119 x 119 x 38	115	9	97	32	SB	Pin	4800N	959-9738
119 x 119 x 38	115	18	180	50	SB	Pin	4600N	959-9703
119 x 119 x 38	115	18	180	51	SB	Pin	4606N	960-1511
119 x 119 x 38	230	11	80	25	SB	Pin	4890N	959-9770
119 x 119 x 38	230	10	100	30	SB	Pin	4850N	959-9746
119 x 119 x 38	230	19	160	40	BB	Pins	4656Z	142-6727
119 x 119 x 38	230	19	160	46	SB	Pin	4650N	959-9711
119 x 119 x 38	230	19	160	47	BB	Pin	4656N	960-1520
119 x 119 x 38	230	18	180	51	BB	Terminals	4656X	142-6728
119 x 119 x 38	230	13	100	40	SB	Pins	4580Z	151-1298
127 x 127 x 38	115	12	161.9	39	BB	Pins	5938	151-1299
127 x 127 x 38	115	17	205.9	47	BB	Pins	5908W	151-1301
127 x 127 x 38	115	17	205.9	46	SB	Pins	5900	151-1302
127 x 127 x 38	115	17	180	42	Ball	2 Flat Pin Terminals	5900W	178-1453
127 x 127 x 38	230	18	180	42	Ball	2 Flat Pin Terminals	5950W	178-1454
127 x 127 x 38	230	17	205.9	47	BB	Pins	5958W	151-1303
127 x 127 x 38	230	17	179.9	47	BB	Pins	5958	151-1304
127 x 127 x 38	230	17	179.9	46	SB	Pins	5950	151-1305
135 x 135 x 38	115	26	270	50	BB	Pins	5606S	151-1306
135 x 135 x 38	230	30	235	46	BB	Pins	5656S	151-1307

Mfrs. List No.	Order Code	Price Each
8830N	960-1473	
8800N	959-9800	
8500N	959-9754	
8506N	960-1414	
8560N	959-9924	
8880N	960-1481	
8850N	959-9797	
8550N	959-9762	
8556N	960-1422	
8500VV	NEW 178-1483	
8550VV	NEW 178-1484	
3906L	960-1430	
3906	960-0922	
3956L	960-1449	
3956M	960-1465	
3900	NEW 178-1428	
3950	NEW 178-1429	
3956	960-0930	
3650	960-0531	
3656	960-0558	
9906	960-0949	
9956L	960-1503	
9956	960-0957	
4600Z	142-6724	
4606Z	142-6725	
4840N	959-9789	
4800N	959-9738	
4600N	959-9703	
4606N	960-1511	
4890N	959-9770	
4850N	959-9746	
4656Z	142-6727	
4650N	959-9711	
4656N	960-1520	
4656X	142-6728	
4580Z	151-1298	
5938	151-1299	
5908W	151-1301	
5900	151-1302	
5900W	NEW 178-1453	
5950W	NEW 178-1454	
5958W	151-1303	
5958	151-1304	
5950	151-1305	
5606S	151-1306	
5656S	151-1307	
610mm Connecting Lead		
LZ120	959-9720	

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Product Search

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Axial Flow Fans - AC Voltage - continued

Axial Flow AC



- **UL94V-0** plastic impeller and diecast aluminium casing
- Shielded ball bearings
- Impedance protected
- Connection via two 0.11" terminals
- **UL** recognised, **CSA** approved

Dimensions			Voltage	Power	Air Flow	Noise	Mfrs. List No.	Order Code
H	W	D	V ac	Watts	cu ft/min	dB(A)@1m		
60	30	115	4.5	7	29	2412PS-12W-B30-A00	101-2734	
80	80	38	230	10	26.5	33	3115PS-23T-B30-A00	942-0177
80	80	38	115	8.5	32.0	44	3115FS-12T-B30-A00	154-5824
80	80	38	115	8.5	32.0	44	3115FS-12W-B30-A00	154-5825
80	80	38	230	8.0	33.0	44	3115FS-23W-B30-A00	154-5827
92	92	25	115	7.0	16	22	3610PS-12T-B10-A00	154-5828
92	92	25	115	12.0	28	33.5	3610PS-12T-B30-A00	154-5829
92	92	25	230	7.0	16	22	3610PS-23T-B10-A00	154-5830
92	92	25	230	13	28.0	34	3610PS-23T-B30-A00	154-5831
119	119	25	115	14.0	63.5	34	4710PS-12T-B30-A00	154-5832
119	119	25	230	14.0	63.5	34	4710PS-23T-B30-A00	154-5833
119	119	38	115	14.4	110.0	45	4715FS-12T-B50-D00	154-5834
119	119	38	230	14.0	110.0	110	4715FS-23T-B50-D00	154-5835
119	119	38	115	15.5	88.2	37	4715MS-12T-B50-A00	154-5836
119	119	38	230	15.0	88.2	37	4715MS-23T-B50-A00	154-5837
120	120	38	230	15	88.2	37	4715MS-23T-B5A-A00	942-0185
172	38	230	35	176.5	56	5915PC-23T-B30-A00	101-2742	
172	150	38	115	35.0	176.5	52	5915PC-12T-B30-A00	154-5839

Dimensions			Voltage	Price Each
H	W	D	ac	Order Code
60	30	115		101-2734
80	80	38	230	942-0177
80	80	38	115	154-5824
80	80	38	115	154-5824
80	80	38	115	154-5825
80	80	38	230	154-5827
92	92	25	115	154-5828
92	92	25	115	154-5829
92	92	25	230	154-5830
92	92	25	230	154-5831
119	119	25	115	154-5832
119	119	25	230	154-5833
119	119	38	115	154-5834
119	119	38	230	154-5835
119	119	38	115	154-5836
119	119	38	230	154-5837
120	120	38	230	942-0185
172	38	230		101-2742
172	150	38	115	154-5839

Axial Flow Fans AC



- **CE, TUV** approved, **UL** recognised
- Supplied with 300mm lead
- Long life
- Stable operation
- Operating temperature range -10°C to +90°C

Dimensions (mm)			Voltage	Current	Power	Air Flow	Noise	Speed	Mfrs. List No.	Order Code
H	W	D	V ac	(A)	Watts	CFM	dB(A)	RPM		
80	80	25	220 / 240	0.07	14	20	32.25	2675	SF23080AT/2082HBL.GN	960-6190
80	80	38	220 / 240	0.09	14	30	35	2675	SF23080A/2083HSL.GN	960-6238
80	80	38	115	0.15	14	24	32	2400	SF11580A 1083HBL.GN	156-8510
80	80	38	220 / 240	0.09	18	24	32	2400	SF23080A 2083HBL.GN	156-8511
92	92	25	220 / 240	0.07	14	33.5	38.5	2600	SF23092A/2092HBL.GN	960-6203
92	92	25	115	0.07	7	23	31	1800	SF11592A 1092MBL.GN	156-8512
92	92	25	220 / 240	0.07	15	28	35	2200	SF23092A 2092MBL.GN	156-8513
120	120	25	220 / 240	0.10	19	72	45	2225	DP201AT/2122HBL.GN	960-6220
120	120	25	115	0.12	12.5	47	37	1700	SP103AT 1122LBL.GN	156-8514
120	120	25	115	0.21	19	66	44	2150	SP101AT 1122HBL.GN	156-8515
120	120	25	220 / 240	0.07	14	47	37	1700	DP203AT 2122LBL.GN	156-8517
120	120	38	115	0.21	20	95	45.5	2725	SP101A/1123HSL.GN	960-6246
120	120	38	220 / 240	0.125	20	95	47	2725	DP201A/2123HSL.GN	960-6254
120	120	38	115	0.13	11	72	37	2150	SP103A 1123LBL.GN	156-8518
120	120	38	115	0.21	20	87	45	2750	SP101A 1123HBL.GN	156-8519
120	120	38	220 / 240	0.06	10	72	37	2150	DP203A 2123LBL.GN	156-8520
120	120	38	220 / 240	0.125	20	87	45	2750	DP201A 2123HBL.GN	156-8521

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Price Each

Mfrs. List No.	Order Code
SF23080AT/2082HBL.GN	960-6190
SF23080A/2083HSL.GN	960-6238
SF11580A 1083HBL.GN	156-8510
SF23080A 2083HBL.GN	156-8511
SF23092A/2092HBL.GN	960-6203
SF11592A 1092MBL.GN	156-8512
SF23092A 2092MBL.GN	156-8513
DP201AT/2122HBL.GN	960-6220
SP103AT 1122LBL.GN	156-8514
SP101AT 1122HBL.GN	156-8515
DP203AT 2122LBL.GN	156-8517
SP101A/1123HSL.GN	960-6246
DP201A/2123HSL.GN	960-6254
SP103A 1123LBL.GN	156-8518
SP101A 1123HBL.GN	156-8519
DP203A 2123LBL.GN	156-8520
DP201A 2123HBL.GN	156-8521

AC Axial Fan

MagLev Series



- Low profile windings
- Higher airflow
- Low power consumption
- Quiet operation
- 300mm lead connection
- **CE, TUV** Approved, **UL** Recognised

Dimensions (mm)			Voltage	Current	Power	Air Flow	Noise	Speed	Mfrs. List No.	Order Code
H	W	D	V ac	Consumption (A)	Watts	CFM	dB(A)	RPM		
60	60	25	115	0.191	3.6	17.5	30	4100	MA1062-HVL.GN	156-8501
60	60	25	220 / 240	0.198	4.1	17.5	30	4100	MA2062-HVL.GN	156-8502
70	70	25	115	0.208	3.7	28	30	3800	MA1072-HVL.GN	156-8503
70	70	25	220 / 240	0.207	4.3	28	30	3800	MA2072-HVL.GN	156-8505
80	80	25	115	0.112	3.6	40	32	3200	MA1082-HVL.GN	156-8506
80	80	25	220 / 240	0.102	4.6	40	32	3200	MA2082-HVL.GN	156-8507
92	92	25	115	0.114	3.6	52	31	2900	MA1092-HVL.GN	156-8508
92	92	25	220 / 240	0.103	4.6	52	31	2900	MA2092-HVL.GN	156-8509

506801

Mfrs. List No.	Order Code
MA1062-HVL.GN	156-8501
MA2062-HVL.GN	156-8502
MA1072-HVL.GN	156-8503
MA2072-HVL.GN	156-8505
MA1082-HVL.GN	156-8506
MA2082-HVL.GN	156-8507
MA1092-HVL.GN	156-8508
MA2092-HVL.GN	156-8509

119mm - Compact

AC Max



- AC motor with completely integrated drive and control electronics.
- High efficiency and very low power consumption.
- Compatible with worldwide line voltage.
- Fan of fibre-glass reinforced plastic, PBTP housing and PA impeller.
- Air exhaust over struts, rotational direction clockwise looking at rotor.
- External connection via 2 leads AWG22 TR64, stripped and tinned ends.
- Low Mass 325g

Dimensions (mm)			Voltage	Power	Air Flow	Noise	Operating	Mfrs. List No.	Order Code	
H	W	D	V ac	Watts	cu ft/min	m³/h	Temp °C			
119	119	64	85 to 265V AC	11	120	204	51	-20°C to +70°C	AC4300 H	129-3476

449782

Dimensions (mm)			Voltage	Price Each
H	W	D	Order Code	
119	119	64	85 to 265V AC	129-3476

150mm



- Efficient, low noise fans
- Thermally protected shaded pole motor.
- **VDE** approved, **UL** recognised, **CSA** certified
- Fitted with ball bearings.

Life expectancy >50000 hours

Dia=150mm, D=55mm, Width=172mm
Mounting Holes=162mm
Cut-out ∅=147
Fix. Centres=162 x 4.5

ebmpapst

Voltage V ac	Power Watts	Air Flow cu ft/min	Air Flow ltrs/sec	Noise dBA@1m	Operating Temp °C	Lead Length	Mftrs. List No.	Order Code
110	39	232	109	52	-30 to +65	330	W2S130-AA25-01	959-9894
240	40	206	97	49	-30 to +65	330	W2S130-AA03-01	959-9908
115	38	223.6	380	53	Max.80	Terminals	W2S130-AA25-44	142-6718
230	38	223.6	380	53	Max.70	Terminals	W2S130-AA03-44	142-6719
115	47	223.6	380	60	Max.50	330	W2S130-BM15-01	151-1293
230	47	223.6	380	60	Max.50	330	W2S130-BM03-01	151-1295
110/240	40	206	97	49	-30 to +65	330	W2S130-AA03-49	959-9916

204285

Dimensions (mm)		Price Each
Voltage	Dia. x D	Order Code
110V ac	150 x 55	959-9894
240V ac	150 x 55	959-9908
115V AC	150 x 55	142-6718
230V AC	150 x 55	142-6719
115V AC	150 x 55	151-1293
230V AC	150 x 55	151-1295
110/240V ac	150 x 55	959-9916

172x151x51mm



- Alveolate motor with thermal cut off, low operating temperature and low energy consumption
- Ball bearing
- **UL, CSA, CE and TUV** approved
- Supplied with either lead wire or terminal
- Weight: 908g



H=172, W=151, D=51

Voltage V ac	Power Watts	Air Flow cu ft/min	Speed RPM	Noise dBA	Lead wire/ Terminal	Mftrs. List No.	Order Code
115	25/27	203/239	2800/3200	51/58	Lead wire	A1175-HBL TC.GN	118-1501
115	25/27	203/239	2800/3200	51/58	Terminal	A1175-HBT TC.GN	118-1502
230	25/26	203/239	2800/3200	51/58	Lead wire	A2175-HBL TC.GN	118-1504
230	25/26	203/239	2800/3200	51/58	Terminal	A2175-HBT TC.GN	118-1507

311522.336187

Price Each

Mftrs. List No.	Voltage	Order Code
A1175-HBL TC.GN	115V	118-1501
A1175-HBT TC.GN	115V	118-1502
A2175-HBL TC.GN	230V	118-1504
A2175-HBT TC.GN	230V	118-1507

172x51mm



- Alveolate motor with thermal cut off, low operating temperature and low energy consumption
- Ball bearing
- **UL, CSA, CE and TUV** approved
- Supplied with either lead wire or terminal
- Weight: 908g



Dia. = 172, D: 51

Voltage V ac	Power Watts	Air Flow cu ft/min	Speed RPM	Noise dBA	Lead wire/ Terminal	Mftrs. List No.	Order Code
230	25/26	203/239	2800/3200	51/58	Lead wire	A2175-HBL TC.R GN	118-1505
230	25/26	203/239	2800/3200	51/58	Terminal	A2175-HBT TC.R GN	118-1508

311523.336188

Price Each

Mftrs. List No.	Voltage	Order Code
A2175-HBL TC.R GN	230V	118-1505
A2175-HBT TC.R GN	230V	118-1508

172mm



- Metal fan housing and impeller
- Thermally protected external rotor capacitor motor
- Fitted with ball bearings
- **VDE, and CSA** approved, **UL** recognised

H=150, W=172, D=38
Dia=172, D=51

Voltage V ac	Power Watts	Air Flow cu ft/min	Air Flow ltrs/sec	Noise dBA@1m	Operating Temp °C	Mftrs. List No.	Order Code
115	24	229.4	108.2	57	-30°C to +80°C	7006ES	960-1120
230	29	194.1	91.5	52	-30°C to +65°C	7056ES	960-1139
115	24	230	230	57	Max.70°C	W2E142-BB05-01	142-6712
115	29	294.1	138.7	58	-30°C to +75°C	6028ES	960-1147

Voltage	Power	Air Flow	Noise	Operating	Mftrs.	Order
230	26	247.1	116.6	54	6078ES	960-1155
115	26	258.9	258.9	60	W2E143-AA15-01	142-6714
230	26	258.9	294.2	60	W2E143-AA09-01	142-6716
115	29	294.2	258.9	58	W2E143-AB15-01	142-6715
230	29	294.2	294.2	58	W2E143-AB09-01	142-6717

204339

Dimensions				Price Each
H	W	D	Voltage	Order Code
150	172	38	115V ac	960-1120
150	172	38	230V ac	960-1139
150	172	38	115V AC	142-6712
Dia.172	51	115V ac	960-1147	
Dia.172	51	230V ac	960-1155	
Dia.172	51	115V AC	142-6714	
Dia.172	51	230V AC	142-6716	
Dia.172	51	115V AC	142-6715	
Dia.172	51	230V AC	142-6717	

Finger Guards

150mm	117-1810
172mm	117-1812

171.5mm, 225mm 230V ac



- Robust all-metal construction
- Ball bearings
- Reverse mounting for sucking or blowing
- Locked rotor protection by built-in thermal cut-out
- Mounting in any position
- **CSA, VDE** approved, **UL** recognised



Air Flow (l/s)	Dimensions H W D	Impeller Ø	Noise Level dBA@1m	Mftrs. List No.	Order Code
104	171.5 171.5 51	143	54	6058ES	960-1198
257	225 225 80	200	59	W2E200-HH38-01	960-1201
925	225 225 80		59	W2E200-HH86-01	178-1425

213833

Price Each

Type	Mftrs. List No.	Order Code
Fans		
AC Compact	6058ES	960-1198
AC Compact	W2E200-HH38-01	960-1201
AC Compact	W2E200-HH86-01	NEW 178-1425
Finger Guards		
171mm	04013-2-4039	117-1827
225mm	78128-2-4039	117-1828

254x89mm



- Alveolate motor with thermal cut off, low operating temperature and low energy consumption
- Ball bearing
- **UL** recognised, **CSA, CE and TUV** approved
- Supplied with solder terminals
- Weight: 2000g

Dia. = 254, D: 89

Voltage V ac	Power Watts	Air Flow cu ft/min	Speed RPM	Noise dBA	Mftrs. List No.	Order Code
115	26/23	600/665	1400/1600	50/52	A1259-MBT TC.GN	118-1503
230	30/30	600/665	1400/1600	50/52	A2259-MBT TC.GN	118-1509

311524336189

Mftrs. List No.	Voltage	Order Code
A1259-MBT TC.GN	115V	118-1503
A2259-MBT TC.GN	230V	118-1509

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Axial Flow Fans - AC Voltage - continued

AC Axial Fan



- Reliable and rugged plate fans suitable for industrial application
- External rotor motor gives good speed control and energy efficiency
- Sickle blades provide lower sound levels, higher pressure development and improved air flow
- Insulation class F (unless otherwise stated) motor with maintenance free sealed for life bearings
- Terminal box protected by IP 54

- Galvanised painted wall plate with full bell-mouth and inlet guard

Voltage	Power Input	Air Flow	Noise	Dimensions	Weight	Mftrs. List No.	Order Code
ac, 50/60Hz	47W	945m³/h	44	370 x x 49	3.4kg	W4S250-DI02-06*	101-1725
230V ac, 50/60Hz	120W	2441m³/h	49	430 x x 62	7.3kg	W4E315-DP18-38	101-1726
230V ac, 50/60Hz	180W	3110m³/h	54	485 x x 68	6.8kg	W4E350-DP06-39	101-1727
230V ac, 50/60Hz	300W	5000m³/h	61	540 x x 86	7.3kg	W4E400-DS02-38	101-1729
230V ac, 50/60Hz	470W	6732m³/h	61	576 x x 86	9.6kg	W4E450-DV01-38	101-1731

Note: * Denotes Class B Motor

416707

Mftrs. List No.	Order Code	Price Each
W4S250-DI02-06	101-1725	
W4E315-DP18-38	101-1726	
W4E350-DP06-39	101-1727	
W4E400-DS02-38	101-1729	
W4E450-DV01-38	101-1731	

AC Energy Efficient Fan

iQ Series



- High efficiency of up to 65%
- Constant speed, even in the event of voltage fluctuations
- High running smoothness due to low-friction bearing system
- Intelligent electronics with n-control, overload and locked-rotor protection
- Conventional AC technology can be replaced easily
- Identical accessories and dimensions to Q-motor
- Long service life due to maintenance-free ball bearings
- One solution replaces multiple sizes of comparable AC motors
- Motor has IP54 protection classification



Motor - H = 83, W = 83, D = 82mm

555381

Nominal Voltage	Mftrs. List No.	Order Code	Price Each
Motor - 230V ac			
230V AC	55330 01083	178-1506	
Fan Guard			
270 x 290 x 17.5mm	50971-2-4039	178-1523	
Impellers			
154mm - 22°	73801-2-3634	178-1507	
154mm - 28°	73802-2-3634	178-1508	
154mm - 34°	73803-2-3634	178-1511	
172mm - 22°	73804-2-3634	178-1512	
172mm - 28°	73805-2-3634	178-1513	
172mm - 34°	73806-2-3634	178-1514	
200mm - 22°	73807-2-3634	178-1515	
200mm - 28°	73808-2-3634	178-1516	
200mm - 34°	73809-2-3634	178-1517	
230mm - 22°	73810-2-3634	178-1518	
230mm - 28°	73811-2-3634	178-1519	
230mm - 34°	73812-2-3634	178-1520	
254mm - 22°	73813-2-3634	178-1521	
Wall Rings			
154mm	52542-2-4037	178-1524	
172mm	52543-2-4037	178-1525	
200mm	52544-2-4037	178-1526	
230mm	52545-2-4037	178-1527	
254mm	52546-2-4037	178-1528	

Nominal Voltage	Mftrs. List No.	Order Code	Price Each
Mounting Brackets			
154mm	71881-2-4053	178-1529	
172mm	71882-2-4053	178-1530	
200 & 230mm	71883-2-4053	178-1531	
254mm - V1	71884-2-4053	178-1532	
254mm - V2	71885-2-4053	178-1533	

Axial Flow Fans - DC Voltage

Micro Slim - 6mm Deep



5 V dc



- 25, 30 and 40mm micro slim fans
- Ideal for precision cooling or compact equipment
- Patented single coil brushless 8 pole motor
- Locked rotor protection
- Precision ball bearings
- UL Recognised

Operating Voltage	Operating temperature	Dimensions	Range	Type	Power	Air Flow	Noise	Mftrs. List No.	Order Code
5V dc	-10°C to +70°C	H	W	D	Watts	cu ft/min	l/s @ 1m		
25	25	6	Low Noise	25mm	0.4	1.2	0.57	21	MCGM0502PEV2-8.N.GN 960-6114
25	25	6	Standard	25mm	0.6	1.6	0.76	29	MCGM0502PEV1-8.N.GN 960-6106
30	30	6	Low Noise	30mm	0.45	2.4	1.15	20	MCGM0503PEV2-8.N.GN 960-6149
30	30	6	Standard	30mm	0.65	3	1.43	25	MCGM0503PEV1-8.N.GN 960-6130
40	40	6	Low Noise	40mm	0.5	4.35	2.07	22	MCGM0504PEV2-8.GN 960-6173
40	40	6	Standard	40mm	0.7	5.5	2.6	26	MCGM0504PEV1-8.GN 960-6165

204367

Voltage	Order Code	Price Each
V dc		
25mm		
Low Noise	5 960-6114	
Standard	5 960-6106	
30mm		
Low Noise	5 960-6149	
Standard	5 960-6130	
40mm		
Low Noise	5 960-6173	
Standard	5 960-6165	

DC Axial Fan

Super Green Fan



- Auto restart
- 3rd wire signal
- 150mm leads
- High speed - 19000rpm
- Airflow 25.6 CFM
- 3 phase, 4 pole brushless motor
- Dual ball bearings



H = 40, W = 40, D = 28mm

Dedicated to low energy use, Sunon's sealed-motor technology raises the air flow and increases the air volume by 10 per cent. Compared to other products with similar rotation speeds, the Sunon Super Green Fan consumes nearly 50 per cent less power than its predecessors, meeting the eco demands for high efficiency and low power consumption. The sealed motor is protected by EMC and EMI and meets Class B requirements. With a perfectly matched high-efficiency motor and impeller blades, the Super Green Fan reduces vibration within the system, lowers fan vibration by up to 38 per cent and prolongs the lifespan of both the fan and the entire system. Characteristics include: a three-phase motor for low power consumption; an integral thermal solution design for greater airflow and better flow concentration; a sealed motor to increase the efficiency and reduce the power consumption; super-stable running to reduce the vibration range; and emit low noise levels.

605806

Mftrs. List No.	Voltage	Order Code	Price Each
SG40281B1-0000-G99	12V DC	181-5852	

Axial Fans

DC Voltage



- Plastic housing
- Plastic impeller
- Flamability rating UL 94V-0
- 300mm Lead wire connections
- Operating temperature from -10°C to +70°C
- Locked rotor protection



Dimensions (mm)			Voltage	Power	Air Flow	Noise	Bearing	Mfrs. List No.	Order Code
H	W	D	V dc	Watts	cu ft/min	dBa@1m	Type		
50	50	10	12	1.32	13.8	31	VAPO	MC35356	182-6912
50	50	15	12	1.74	18.6	40.1	VAPO	MC35357	182-6913
60	60	15	12	1.92	25.2	36.2	VAPO	MC35349	182-6904
80	80	25	12	1.1	33	28	VAPO	MC35352	182-6908
80	80	25	12	1.7	37	30	VAPO	MC35351	182-6907
80	80	25	12	1.7	41	33	VAPO	MC35350	182-6905
92	92	25	12	1.6	45	32	VAPO	MC35347	182-6903
92	92	25	12	1.3	39.6	28	VAPO	MC35353	182-6909
80	80	25	24	1.4	37	30	VAPO	MC35346	182-6902
80	80	25	24	1.8	41	33	VAPO	MC35354	182-6910
92	92	25	24	1.3	39.5	28	VAPO	MC35355	182-6911
92	92	25	24	1.6	45	32	VAPO	MC35348	182-6914

504993

Voltage				Dimensions (mm)			Price Each
V dc	H	W	D	Order Code			
12	50	50	10	182-6912			
12	50	50	15	182-6913			
12	60	60	15	182-6904			
12	80	80	25	182-6908			
12	80	80	25	182-6907			
12	80	80	25	182-6905			
12	92	92	25	182-6903			
12	92	92	25	182-6909			
24	80	80	25	182-6902			
24	80	80	25	182-6910			
24	92	92	25	182-6911			
24	92	92	25	182-6914			

Axial Fans
DC Voltage



- Plastic housing
- Plastic impeller
- Ball and Sleeve bearing versions
- Lead wire connections
- Patented single coil brushless 8 pole motor
- Locked rotor protection

Dimensions			Voltage	Power	Air Flow	Noise	Bearing	Mfrs. List No.	Order Code
H	W	D	V dc	Watts	cu ft/min	dBa@1m	Type		
40	40	10	5	0.8	7.0	27	SB	MCKD0504PFS2.11.GN	156-8405
40	40	10	12	1.1	7.0	27	SB	MCKD1204PFS2.11.GN	156-8406
40	40	20	5	0.7	7.7	21	SB	MCKD0504PKS2.GN	156-8407
50	50	10	5	0.9	11.0	26	SB	MCKD0505PFS2.11.GN	156-8409
50	50	10	12	1.2	11.0	26	SB	MCKD1205PFS2.11.GN	156-8410
50	50	15	5	0.9	13	29	SB	MCKD0505PHS2.GN	156-8411
50	50	15	12	1.0	13	29	SB	MCKD1205PHS2.GN	156-8412
50	50	15	24	1.3	13	29	SB	MCKD2405PHS2.GN	156-8414
60	60	15	5	0.9	18	31	SB	MCKD0506PHS2.GN	156-8415
60	60	15	12	1.1	18	31	SB	MCKD1206PHS2.GN	156-8416
60	60	25	5	1.0	19.3	30	BB	MCKD0506PTB2.(2).GN	156-8417
80	80	20	12	1.3	35	37	BB	MCKD1208PKB2.13.(2).GN	156-8418
119	119	25	12	3.6	80	41	BB	MCKD1212PTB2-6A.GN	960-6726
119	119	25	24	4.8	80	42	BB	MCKD2412PTB2-6A.GN	960-6734
119	119	38	12	6.8	108	42	BB	MCKD1212PMB1-6A.GN	960-6742
119	119	38	24	5.5	98	36	BB	MCKD2412PMB2-6A.GN	960-6750

504993

Voltage				Dimensions			Price Each
V dc	H	W	D	Order Code			
5	40	40	10	156-8405			
12	40	40	10	156-8406			
5	40	40	20	156-8407			
5	50	50	10	156-8409			
12	50	50	10	156-8410			
5	50	50	15	156-8411			
12	50	50	15	156-8412			
24	50	50	15	156-8414			
5	60	60	15	156-8415			
12	60	60	15	156-8416			
5	60	60	25	156-8417			
12	80	80	20	156-8418			
12	119	119	25	960-6726			
24	119	119	25	960-6734			
12	119	119	38	960-6742			
24	119	119	38	960-6750			

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Axial Fans - DC
Maglev motor



- Stable operation
 - Plastic housing
 - Plastic impeller
 - Magnetic Levitation
 - Long life
 - G
- M range supplied with 300mm lead

Dimensions			Voltage	Power	Air Flow	Noise	Bearing	Mfrs. List No.	Order Code
H	W	D	V dc	Watts	cu ft/min	dBa@1m	Type		
40	40	10	12	1	7	27	Vapo	MCKDE1204PFV2.11.MS.A.GN	960-6521
40	40	20	12	1	7.3	26	Vapo	MCKDE1204PKV2.MS.GN	960-6645
40	40	20	24	0.96	6.2	25	Vapo	MCKDE2404PKV2.MS.A.GN	960-6653
60	60	25	12	0.8	19.3	29	Vapo	MCKDE1206PTV2.MS.A.GN	161-7051
60	60	25	24	1.2	19.3	29	Vapo	MCKDE2406PTV2.MS.A.GN	161-7052
80	80	25	12	2	35	32	Vapo	MCKDE1208PTV2.13.MS.A.GN	960-6688
80	80	25	24	1.4	36.5	32	Vapo	MCKDE2408PTV2.13.MS.A.GN	960-6696
92	92	25	12	2.1	45	34	Vapo	MCKDE1209PTV2.13.MS.A.GN	960-6700
92	92	25	24	2.9	45	34	Vapo	MCKDE2409PTV2.13.MS.A.GN	960-6718

Green Motor Fan

25	25	6	5	0.4	1.2	21	Vapo	MCGM0502PEV2-8.N.GN	960-6114
25	25	6	5	0.6	1.6	29	Vapo	MCGM0502PEV1-8.N.GN	960-6106
25	25	10	12	0.5	3	16	Vapo	MCGM1202PFV2-8.GN	960-6491
30	30	6	5	0.45	2.4	20	Vapo	MCGM0503PEV2-8.N.GN	960-6149
30	30	6	5	0.65	3	25	Vapo	MCGM0503PEV1-8.N.GN	960-6130
30	30	10	12	0.5	4.6	20	Vapo	MCGM1203PFV2-8.GN	960-6505
25	35	10	12	0.5	6.5	22	Vapo	MCGM1235PFV2-8.GN	960-6513
40	40	6	5	0.5	4.35	22	Vapo	MCGM0504PEV2-8.GN	960-6173
40	40	6	5	0.7	5.5	26	Vapo	MCGM0504PEV1-8.GN	960-6165

504993

Voltage				Dimensions			Price Each
V dc	H	W	D	Order Code			
12	40	40	10	960-6521			
12	40	40	20	960-6645			
24	40	40	20	960-6653			
12	60	60	25	161-7051			
24	60	60	25	161-7052			
12	80	80	25	960-6688			
24	80	80	25	960-6696			
12	92	92	25	960-6700			
24	92	92	25	960-6718			

Green Motor Fan

5	25	25	6	960-6114			
5	25	25	6	960-6106			
5	30	30	6	960-6149			
5	30	30	6	960-6130			
12	30	30	10	960-6505			
12	25	35	10	960-6513			
5	40	40	6	960-6173			
5	40	40	6	960-6165			

DC Axial Fans

Low Noise and Low Vibration



- Low vibration - Reduced by 50%
- 12V Rated operating voltage
- Current blocking function
- Reverse polarity protection

- Brushless DC motor with plastic fan housing and impeller
- Low noise - Better than 3db reduction in sound pressure



Price Each

Version	Mfrs. List No.	Order Code
60 x 60 x 25mm		
High Speed	9S0612H4011	175-5863
Fast Speed	9S0612F4011	175-5864
Medium Speed	9S0612M4011	175-5865
80 x 80 x 25mm		
Fast Speed	9S0812F4011	175-5866
Medium Speed	9S0812M4011	175-5867
Low Speed	9S0812L4011	175-5868

549316

Axial Flow Fans - DC Voltage - continued

DC Axial Fans - continued

Low Noise and Low Vibration - continued

Version	Mfrs. List No.	Order Code	Price Each
92 x 92 x 25mm			
Fast Speed	9S0912F4011	175-5871	●
Medium Speed	9S0912M4011	175-5872	●
Low Speed	9S0912L4011	175-5873	●
120 x 120 x 25mm			
Fast Speed	9S1212F4011	175-5874	●
Medium Speed	9S1212M4011	175-5875	●
Low Speed	9S1212L4011	175-5876	●

Long Life

SANYO DENKI



- Up to 10 years (100,000 hours) continuous operation @ 60°C ambient
- Diecast aluminium housing with **UL94V-1** plastic impeller
- Oversize ball bearings
- Reverse polarity and locked rotor protection
- Connection by two 300mm, 24Awg leads
- Conforms to **EN609-50**

Life expectancy >200,000 hrs (120mm), >100,000 hrs (80mm, 92mm and 140mm)

Dimensions	Voltage	Power	Air Flow	Noise	Mfrs.	Order
H W D	V dc	Watts	cu ft/min	ltrs/sec	List No.	Code
40 40 28	12	1.8	13.1	0.37	40	9L0412H301 131-8956
40 40 28	12	3.72	18.4	0.52	48	9L0412J301 131-8958
60 60 25	12	1.32	18.7	18.7	28	109L0612H402 994-7990
60 60 25	24	1.44	18.7	18.7	28	109L0624H402 994-8007
80 80 25	12	2.1	37.5	17.73	32	109L0812H402 994-8198
80 80 25	24	2.1	37.5	17.73	32	109L0824H402 994-8201
92 92 25	12	2.5	48.9	23	33	109L0912H402 994-8210
92 92 25	24	2.8	48.9	23	33	109L0924H402 994-8228
120 120 38	12	4.8	106	50	41	109L1212H102 994-8236
120 120 38	24	5	106	50	41	109L1224H102 994-8244
120 120 38	48	5.7	106	50	41	109L1248H102 994-8163
140 140 51	24	14.4	209	98.5	52	109L1424H502 994-8180

Fan size	40mm	60mm	80mm	92mm	120mm
Cut-out ∅	38	63	78	89	117
Fixing centres	32	50	71.5	82.5	104.8
Fixing hole ∅	3.5	4.5	4.3	4.3	4.3

204322

Size	Voltage	Order Code	Price Each
H W D	V dc		
40 40 28	12	131-8956	●
40 40 28	12	131-8958	●
60 60 25	12	994-7990	●
60 60 25	24	994-8007	●
80 80 25	12	994-8198	●
80 80 25	24	994-8201	●
92 92 25	12	994-8210	●
92 92 25	24	994-8228	●
120 120 38	12	994-8236	●
120 120 38	24	994-8244	●
120 120 38	48	994-8163	●
140 140 51	24	994-8180	●

Ultra Slim

micronel



- Brushless, low noise, ultra slim fans
- Glass-fibre reinforced plastic housing
- Reverse polarity protected
- Life expectancy in excess of 30,000 hours

204314

Voltage (DC)	Mfrs. Lit No.	Order Code	Price Each
40 x 12mm - Ball Bearing			
5V	F41MM-005XK-9V	117-5746	●
12V	F41MM-012XK-9V	117-5747	●
24V	F41MM-024XK-9V	117-5748	●
62 x 15mm - Sleeve Bearing			
5V	F62MM-005GK-0V	117-5751	●
24V	F62MM-024GK-0V	117-5753	●

Axial Fans

DC Voltage



ebmpapst

- Glass reinforced plastic housing (Except 127mm and 135mm which are metal)
- Plastic impeller
- Ball or sleeve bearing
- Lead wire connections
- Electronically commutated external rotor motor
- Fully integrated communication electronics
- Electronic protection against reverse polarity, blocking and overloading
- Approvals - According to type (Please see Data-Sheet for details)

Dimensions	Voltage	Power	Air Flow	Noise	Bearing	Mfrs. List No.	Order Code
H W D	V dc	Watts	cu ft/min	dBA@1m			
25 25 8	5	0.2	1.28	12	SB	255M	960-0710
25 25 8	5	0.4	1.9	15	SB	255N	960-0728
25 25 8	5	0.6	2.9	28	SB	255H	960-0736
25 25 8	12	0.5	1.9	15	SB	252N	960-0744
25 25 8	12	0.5	1.9	15	SB	252/2N	960-0752
40 40 10	5	0.7	4.7	26	SB	405F	960-0820
40 40 10	5	0.9	5.3	26	Sleeve	405FH	178-1430
40 40 10	12	0.7	4.7	26	SB	412F	960-1260
40 40 10	12	0.8	5.6	29	SB	412FH	960-1279
40 40 10	24	0.7	4.7	26	SB	414F	960-1295
40 40 20	5	0.9	5.9	18	SB	405	960-0639
40 40 20	12	0.9	5.9	18	SB	412	960-1287
40 40 20	12	1.6	7.95	29	Sleeve	412H	178-1433
40 40 20	24	0.9	5.9	18	SB	414	960-1309
40 40 25	12	2.4	11.18	39	Ball	412J	129-3489
40 40 25	12	2.9	13.6	43	BB	412JH	960-0760
40 40 25	12	3.2	14.7	46	BB	412JHH	960-0779
40 40 25	12	3.2	14.7	46	BB	412J/2HH	960-0787
40 40 25	24	2.4	11.9	39	BB	414J	960-0795
40 40 25	24	2.7	13	43	BB	414J/2H	960-0817
40 40 25	24	2.7	13.6	43	BB	414JH	960-0809
40 40 25	24	4.1	14.7	46	BB	414JHH	960-0825
40 40 25	24	4.1	14.7	46	BB	414J/2HH	960-0833
40 40 25	24	4.1	14.7	46	BB	414JHH	960-0825
50 50 15	12	1	11.8	30	SB	512F	960-0191
50 50 15	24	1	11.8	30	SB	514F	960-0205
60 60 15	12	0.4	11.2	16	Sleeve	612FL	178-1457
60 60 15	12	1.4	19.5	31	Sleeve	612FH	178-1456
60 60 15	12	1.1	17.1	27	SB	612F	960-0086
60 60 15	24	1.1	17.1	27	SB	614F	960-0094
60 60 25	12	0.4	12.4	26	Ball	612NLE	178-1460
60 60 25	12	0.7	12.4	26	BB	612L	960-1317
60 60 25	12	0.8	12.4	16	SB	612NGL	960-0280
60 60 25	12	0.9	14.7	19	Sleeve	612NGML	178-1459
60 60 25	12	1.6	20.6	28	SB	612NGM	960-0299
60 60 25	12	1.9	23.5	36	Ball	622N	178-1468
60 60 25	12	3.5	33	43	Ball	622HH	178-1466
60 60 25	12	2.6	27.1	38	SB	612NGH	960-0310
60 60 25	12	3.8	33	43	SB	612NGHH	960-0647
60 60 25	24	0.8	12.4	16	SB	614NGL	960-0329
60 60 25	24	0.9	12.4	26	Ball	614NL	178-1464
60 60 25	24	1.2	14.7	19	Sleeve	614NGML	178-1462
60 60 25	24	1.8	24.7	40	Ball	614NN	178-1465
60 60 25	24	2.1	24.1	35	SB	614NGN	960-0345
60 60 25	24	2.1	27.1	37	Ball	614NHU	178-1463
60 60 25	24	2.2	23.5	36	Ball	624N	178-1470
60 60 25	24	3.6	33	43	Ball	624HH	178-1469
60 60 25	24	3.8	33	43	SB	614NGHH	960-0655
60 60 32	12	7.7	41.1	53	Ball	612JH	178-1458
60 60 32	24	7.7	41.2	53	Ball	614JH	137-2289
80 80 25	12	0.6	19.4	12	SB	8412NGL	960-0981
80 80 25	12	0.6	19.4	12	SB	8412N/2GL	959-9983
80 80 25	12	1.3	34.1	26	SB	8412NGM	960-1007
80 80 25	12	1.3	34.1	26	SB	8412N/2GM	959-9991
80 80 25	12	1.6	24.7	40	Ball	612NN	178-1461
80 80 25	12	2	40.6	32	SB	8412NG	960-1023
80 80 25	12	2	40.6	32	SB	8412NG/2	960-0000
80 80 25	12	2.8	46.5	37	SB	8412NGH	960-1040
80 80 25	12	2.8	46.5	37	SB	8412N/2GH	960-0019
80 80 25	24	0.7	19.4	17	Ball	8414NL	178-1482
80 80 25	24	0.7	19.4	12	SB	8414NGL	960-0990
80 80 25	24	0.7	19.4	12	SB	8414N/2GL	960-0027
80 80 25	24	1.4	34.1	26	SB	8414NGM	960-1015
80 80 25	24	1.4	34.1	26	SB	8414/2GM	960-0035
80 80 25	24	2	40.6	32	SB	8414NG	960-1031
80 80 25	24	2	40.6	32	SB	8414N/2G	960-0043
80 80 25	24	2.2	46.5	37	SB	8414NGH	960-1058
80 80 25	24	2.2	46.5	37	SB	8414N/2GH	960-0051
80 80 25	24	2.4	46.5	37	Ball	8414NH	178-1481

Dimensions	Voltage	Power	Air Flow	Noise	Bearing		
80 80 32	12	1	18.8	33	BB	8312L	960-1333
80 80 32	12	2.2	31.8	36	BB	8312	959-9827
80 80 32	24	1	18.8	24	BB	8314L	960-1341
80 80 32	24	2.2	32	36	BB	8314	959-9835
80 80 32	48	2.6	32	36	BB	8318	960-1325
80 80 38	24	10	77.7	6.6	Ball	8214JN	137-2290
92 92 25	12	1.2	35.9	23	SB	3412NGL	960-0361
92 92 25	12	1.6	42.4	28	SB	3412NGM	960-0370
92 92 25	12	2.2	49.4	32	SB	3412NG	960-0388
92 92 25	12	2.2	49.4	32	BB	3412N	960-0396
92 92 25	12	3	55.3	36	SB	3412NGH	960-0400
92 92 25	12	3.2	60	39	Ball	3412NHH	178-1426
92 92 25	24	1.4	35.9	23	SB	3414NGL	960-0418
92 92 25	24	1.8	42.4	28	SB	3414NGM	960-0426
92 92 25	24	2.3	49.4	32	SB	3414NG	960-0434
92 92 25	24	2.3	49.4	32	BB	3414N	960-0442
92 92 25	24	3	55.3	36	SB	3414NGH	960-0450
92 92 25	24	3.2	60	39	Ball	3414NHH	178-1427
92 92 32	12	1.4	33	29	BB	3312L	960-1350
92 92 32	12	2.4	47	37	BB	3312	959-9851
92 92 32	24	2.4	47	37	BB	3314	959-9860
92 92 38	12	9	86.9	55	Ball	3212JH	129-3490
119 119 25	12	1.3	55.3	26	Sleeve	4412FGL	178-1438
119 119 25	24	3.2	82.4	38	BB	4414FM	960-1074
119 119 25	12	3.2	82.4	38	SB	4412FGM	960-1066
119 119 25	12	3.2	82.4	43	BB	4412F/2	960-0060
119 119 25	24	3.2	82.4	38	BB	4414FM	960-1074
119 119 25	24	5	100	43	BB	4414F	960-1082
119 119 25	24	5	100	43	BB	4414F/2	960-0078
119 119 25.4	12	12	132.4	55	BB	4412FNH	129-3487
119 119 25.4	24	12	132.4	55	BB	4414FNH	129-3488
119 119 32	12	1.2	55.9	30	BB	4312L	960-1368
119 119 32	12	2.6	82.4	39	BB	4312M	960-1384
119 119 32	12	5	100	43	BB	4312	959-9878
119 119 32	12	5	100	45	Ball	4312/2	178-1435
119 119 32	24	1.2	55.9	30	BB	4314L	960-1376
119 119 32	24	2.6	82.4	39	BB	4314M	960-1392
119 119 32	24	5	100	43	BB	4314	959-9886
119 119 32	24	5	100	45	Ball	4314/2	178-1436
119 119 32	48	5	100	43	BB	4318	960-1406
119 119 38	12	1.4	58.9	28	SB	4212NGL	960-0469
119 119 38	12	3	84.8	38	SB	4212NGM	960-0477
119 119 38	12	5	105.9	45	BB	4212NH	960-0698
119 119 38	12	15.5	153	60	Ball	4112NHH	129-3492
119 119 38	12	21.6	182.4	65	Ball	4112N/2H3	129-3494
119 119 38	12	32	211.8	67	Ball	4112N/2H4	129-3495
119 119 38	24	1.4	58.9	28	SB	4214NGL	960-0493
119 119 38	24	3	84.8	38	SB	4214NGM	960-0507
119 119 38	24	3.6	97.1	42	Ball	4214NN	178-1434
119 119 38	24	5	105.7	45	BB	4214NH	960-0701
92 38 24	9	85.9	55	Ball	3214JH	129-3491	
119 119 38	24	15.5	153	60	Ball	4114NHH	129-3493
119 119 38	24	19.5	182	65	Ball	4114NH3	178-1432
119 119 38	24	26	206.7	66	Ball	4114N/2H4	129-3496
119 119 38	24	45	227	70	Ball	4114N/2H5	129-3498
119 119 25	12	5.3	100	43	Ball	4412F	178-1437
127 127 38	24	4.7	117.7	44	BB	5214NN	960-1090
127 127 38	12	4.6	110	43	Ball	5212NM	129-3499
127 127 38	24	4.6	110	43	Ball	5214NM	129-3500
127 127 38	12	9.8	148.3	51	Ball	5212NH	129-3501
127 127 38	12	19	198.9	58	Ball	5212N/2HH	129-3502
127 127 38	24	9.8	148	51	Ball	5214NH	178-1442
127 127 38	48	5	110	43	Ball	5218NM	129-3505
127 127 38	48	18	198.9	58	Ball	5218N/2HH	129-3506
135 135 38	12	9.5	147.1	48	BB	5112N	960-1104
135 135 38	24	9.5	147.1	48	BB	5114N	960-1112

504872

Voltage	Dimensions	Order Code	Price Each
V dc	H W D		
5	25 25 8	960-0710	
5	25 25 8	960-0728	
5	25 25 8	960-0736	
12	25 25 8	960-0744	
12	25 25 8	960-0752	
5	40 40 10	960-0620	
5	40 40 10	NEW 178-1430	
12	40 40 10	960-1260	
12	40 40 10	960-1279	
24	40 40 10	960-1295	
5	40 40 20	960-0639	
12	40 40 20	960-1287	
12	40 40 20	NEW 178-1433	
24	40 40 20	960-1309	
12	40 40 25	129-3489	
12	40 40 25	960-0760	
12	40 40 25	960-0779	
12	40 40 25	960-0787	
24	40 40 25	960-0795	
24	40 40 25	960-0817	
24	40 40 25	960-0809	
24	40 40 25	960-0825	
24	40 40 25	960-0833	
24	40 40 25	960-0825	
12	50 50 15	960-0191	
24	50 50 15	960-0205	
12	60 60 15	NEW 178-1457	
12	60 60 15	NEW 178-1456	
12	60 60 15	960-0086	

Voltage	Dimensions	Order Code	Price Each
V dc	H W D		
24	60 60 15	960-0094	
12	60 60 25	NEW 178-1460	
12	60 60 25	960-1317	
12	60 60 25	960-0280	
12	60 60 25	NEW 178-1459	
12	60 60 25	960-0299	
12	60 60 25	NEW 178-1468	
12	60 60 25	NEW 178-1466	
12	60 60 25	960-0310	
12	60 60 25	960-0647	
24	60 60 25	960-0329	
24	60 60 25	NEW 178-1464	
24	60 60 25	NEW 178-1462	
24	60 60 25	NEW 178-1465	
24	60 60 25	960-0345	
24	60 60 25	NEW 178-1463	
24	60 60 25	NEW 178-1470	
24	60 60 25	NEW 178-1469	
24	60 60 25	960-0655	
12	60 60 32	NEW 178-1458	
24	60 60 32	137-2289	
12	80 80 25	960-0981	
12	80 80 25	959-9983	
12	80 80 25	960-1007	
12	80 80 25	959-9991	
12	60 60 25	NEW 178-1461	
12	80 80 25	960-1023	
12	80 80 25	960-0000	
12	80 80 25	960-1040	
12	80 80 25	960-0019	
24	80 80 25	NEW 178-1482	
24	80 80 25	960-0990	
24	80 80 25	960-0027	
24	80 80 25	960-1015	
24	80 80 25	960-0035	
24	80 80 25	960-1031	
24	80 80 25	960-0043	
24	80 80 25	960-1058	
24	80 80 25	960-0051	
24	80 80 25	NEW 178-1481	
12	80 80 32	960-1333	
12	80 80 32	959-9827	
24	80 80 32	960-1341	
24	80 80 32	959-9835	
48	80 80 32	960-1325	
24	80 80 38	137-2290	
12	92 92 25	960-0361	
12	92 92 25	960-0370	
12	92 92 25	960-0388	
12	92 92 25	960-0396	
12	92 92 25	960-0400	
12	92 92 25	NEW 178-1426	
24	92 92 25	960-0418	
24	92 92 25	960-0426	
24	92 92 25	960-0434	
24	92 92 25	960-0442	
24	92 92 25	NEW 178-1427	
12	92 92 32	960-1350	
12	92 92 32	959-9851	
24	92 92 32	959-9860	
12	92 92 38	129-3490	
12	119119 25	NEW 178-1438	
12	119119 25	960-1066	
12	119119 25	960-0060	
24	119119 25	960-1074	
24	119119 25	960-1082	
24	119119 25	960-0078	
12	11911925.4	129-3487	
24	11911925.4	129-3488	
12	119119 32	960-1368	
12	119119 32	960-1384	
12	119119 32	959-9878	
12	119119 32	NEW 178-1435	
24	119119 32	960-1376	
24	119119 32	960-1392	
24	119119 32	959-9886	
24	119119 32	NEW 178-1436	
48	119119 32	960-1406	
12	119119 38	960-0469	
12	119119 38	960-0477	
12	119119 38	960-0698	

Axial Flow Fans - DC Voltage - continued

Axial Fans - continued

DC Voltage - continued

Voltage	Dimensions	Order Code	Price Each
V dc	H W D		
12	119119 38	129-3492	●
12	119119 38	129-3494	●
12	119119 38	129-3495	●
24	119119 38	960-0493	●
24	119119 38	960-0507	●
24	119119 38	NEW 178-1434	●
24	119119 38	960-0701	●
	92 38	129-3491	●
24	119119 38	129-3493	●
24	119119 38	NEW 178-1432	●
24	119119 38	129-3496	●
24	119119 38	129-3498	●
12	119119 25	NEW 178-1437	●
24	127127 38	960-1090	●
12	127127 38	129-3499	●
24	127127 38	129-3500	●
12	127127 38	129-3501	●
12	127127 38	129-3502	●
24	127127 38	NEW 178-1442	●
48	127127 38	129-3505	●
48	127127 38	129-3506	●
12	135135 38	960-1104	●
24	135135 38	960-1112	●

Energy-saving Axial Fan

230V ac - EC motor



These products are a versatile alternative to traditional axial fans that use shaded-pole motors for refrigeration applications.

Just over three inches, W1G200-ECseries fans have a much shorter installation depth than conventional fans with shaded-pole motors. Retrofitting to larger openings is simple. The electronically commutated motor is programmable for two selectable speedsteps, which can be adjusted in the field using a laptop PC to set the fan speeds that best meet the application requirements. Installation is quick using the mounting holes on the built-in 9.85" diameter plastic wall ring.

ebmpapst

New

O/D (178-1535) = 250mm, (178-1538) = 280mm - D = 78.5mm

Flow Rate	Mftrs. List No.	Order Code	Price Each
500m ³ /h	W1G200-EC87-20	178-1535	●
1000m ³ /h	W1G230-EB91-01	178-1538	●

Mains connecting leads - With plug

450mm	10637-4-1040	178-1536	●
1500mm	10638-4-1040 1	178-1537	●

DC Axial Fan

S-Force



- Highly stable characteristic curve for high air flow with high back pressure
- Innovative impeller design with winglets for low noise
- Fully integrated electronic commutation
- Protected against reverse polarity and blocking
- Manufactured from fibreglass reinforced plastic. Impeller in PA, housing in PBT
- Electrical connection via single leads with stripped and tinned ends

Voltage	Power Input	Air Flow	Noise (dBA)	Mftrs. List No.	Order Code
12V DC	10W	78cu.ft/min	55	8212JN	163-5423
12V DC	25W	112cu.ft/min	66	8212J/2H3 *	163-5424
12V DC	39W	131cu.ft/min	71	8212J/2H4 *	163-5425
24V DC	25W	112cu.ft/min	66	8214J/2H3 *	163-5427
24V DC	38W	131cu.ft/min	71	8214J/2H4 *	163-5428
12V DC	7.5W	77cu.ft/min	51	3212JN	163-5429
12V DC	30W	140cu.ft/min	59	3212JH3	163-5430
12V DC	50W	165cu.ft/min	73	3212JH4	163-5431
24V DC	8W	77cu.ft/min	51	3214JN	163-5432
24V DC	30W	140cu.ft/min	69	3214JH3	163-5433
24V DC	50W	165cu.ft/min	73	3214JH4	163-5434
24V DC	90W	294.2cu.ft/min	76	4114N/2H7P	163-5435
12V DC	41W	241.3cu.ft/min	70	5312/2TDHP	163-5437
24V DC	41W	241.3cu.ft/min	70	5314/2TDHP	163-5439
24V DC	67W	288.4cu.ft/min	75	5314/2TDHHP	163-5441

Note: * Denotes Tachometer Output

523334

Nominal Mftrs. Voltage List No.	Order Code	Price Each
80 x 80 x 38mm		
12V DC 8212JN	163-5423	●
12V DC 8212J/2H3	163-5424	●
12V DC 8212J/2H4	163-5425	●
24V DC 8214J/2H3	163-5427	●
24V DC 8214J/2H4	163-5428	●
92 x 92 x 38mm		
12V DC 3212JN	163-5429	●
12V DC 3212JH3	163-5430	●
12V DC 3212JH4	163-5431	●
24V DC 3214JN	163-5432	●
24V DC 3214JH3	163-5433	●
24V DC 3214JH4	163-5434	●
119 x 119 x 38mm		
24V DC 4114N/2H7P	163-5435	●
140 x 140 x 51mm		
12V DC 5312/2TDHP	163-5437	●
24V DC 5314/2TDHP	163-5439	●
24V DC 5314/2TDHHP	163-5441	●

Standard



- UL94V-0 plastic casing and impeller
- Shielded ball bearings
- Reverse polarity protected
- Auto-restart facility will shut-down the current if a blockage occurs
- Connection by two 300mm lead wires + Red, - Black
- CSA approved, UL recognised

Dimensions H W D	Voltage V dc	Power Watts	Air Flow cu ft/min	Noise dBA@1m	Mftrs. List No.	Order Code
25 25 10	5	0.425	1.6	22	1004KL-01W-B40-B00	154-5794
25 25 10	12	0.54	1.6	22	1004KL-04W-B40-B00	154-5795
25 25 10	12	0.72	2.0	25	1004KL-04W-B50-B00	154-5797
30 30 10	12	0.72	2.7	21	1204KL-04W-B30-B00	154-5798
30 30 10	12	0.96	3.7	27	1204KL-04W-B50-B00	154-5799
35 35 10	12	0.48	3.0	19	1404KL-04W-B30-B00	154-5800
35 35 10	12	0.96	5.6	27	1404KL-04W-B50-B00	154-5801
40 40 10	5	0.775	6.0	29	1604KL-01W-B50-B00	154-5803
40 40 10	12	0.876	6.0	29	1604KL-04W-B50-B00	154-5804
40 15 5	5	0.6	6	28	1606KL-01W-B30-L00	101-2743
40 15 5	1.2	8.1	34	1606KL-01W-B50-L00	101-2744	
40 15 12	0.8	6	28	1606KL-04W-B30-L00	942-0134	
40 15 12	1.02	8.1	34	1606KL-04W-B50-L00	101-2746	
40 15 24	0.5	8.1	34	1606KL-05W-B50-L00	101-2748	
40 20 12	1.32	9.5	33	1608KL-04W-B50-L00	154-5805	
50 10 5	6.4	10.2	34	2004KL-01W-B50-M00	101-2750	
50 10 12	0.48	6.4	23	2004KL-04W-B30-M00	101-2751	
50 10 12	1.92	10.2	34	2004KL-04W-B50-M00	101-2752	
52 15 12	1.08	12	25.5	2106KL-04W-B40-L00	101-2753	
60 60 10	12	3.24	19.0	36	2404KL-04W-B50-B00	154-5806
60 60 15	12	0.48	6.7	19	2406KL-04W-B10-L00	154-5807
60 60 15	12	1.92	18.3	34	2406KL-04W-B50-L00	154-5808
60 60 15	24	2.40	18.3	34	2406KL-05W-B50-L00	154-5809
60 20 12	1.32	17.6	31.5	2408NL-04W-B50-P00	101-2755	
60 20 24	0.96	10.9	22.5	2408NL-05W-B10-P00	101-2756	
60 20 24	1.32	17.6	31.5	2408NL-05W-B50-P00	101-2758	
60 25 12	1.44	23.5	35	2410ML-04W-B30-E00	942-0142	
60 25 12	1.44	37	46	2410ML-04W-B80-E00	101-2759	
60 25 12	0.6	13	19	2410RL-04W-B10-C00	101-2762	
60 25 12	1.8	24	33.5	2410RL-04W-B50-C00	101-2763	
60 25 12	3.24	28.5	38	2410RL-04W-B70-C00	101-2764	
60 25 12	2.40	23.3	35	2410ML-04W-B50-B00	154-5810	
60 25 24	6.2	19	31	2410ML-05W-B30-E00	101-2760	
60 25 24	2.24	37	50	2410ML-05W-B80-E00	101-2761	
60 25 24	0.96	13	19	2410RL-05W-B10-C00	101-2765	
60 25 24	2.88	24	33.5	2410RL-05W-B50-C00	101-2766	
60 25 24	4.8	28.5	38	2410RL-05W-B70-C00	101-2767	
60 60 25	24	2.16	21.5	33.5	2410ML-05W-B40-B00	154-5811
60 60 25	24	2.40	23.3	35	2410ML-05W-B50-B00	154-5812
80 15 12	2.04	28.2	30	3106KL-04W-B40-C00	101-2768	
80 15 12	2.76	32.8	34	3106KL-04W-B50-C00	101-2771	
80 80 20	12	3.36	44	42	3108NL-04W-B50-P00	144-7966
80 80 20	24	3.60	44.0	42	3108NL-05W-B50-P00	154-5813
80 25 12	2.76	38.8	34	3110KL-04W-B50-P00	101-2772	
80 25 12	0.84	24	22	3110RL-04W-B10-C00	101-2774	
80 25 12	3	38.5	32.5	3110RL-04W-B50-C00	101-2775	
80 25 12	4.08	44.5	36	3110RL-04W-B70-C00	101-2776	
80 25 24	2.88	38.8	34	3110KL-05W-B50-P00	101-2773	
80 25 24	0.96	24	22	3110RL-05W-B10-C00	101-2777	
80 25 24	3.36	38.5	32.5	3110RL-05W-B50-C00	101-2778	
80 25 24	4.32	44.5	36	3110RL-05W-B70-C00	101-2779	
92 92 25	12	3.78	54.7	41	3610KL-04W-B50-D00	154-5815
92 32 12	2.52	47.3	34	3612KL-04W-B30-B00	101-2780	
92 32 12	5.64	69.9	43.5	3612KL-04W-B50-B00	101-2781	

Dimensions	Voltage	Power	Air Flow	Noise		
92 32 24	2.4	47.3	34		3612KL-05W-B30-B00	101-2783
92 32 24	6	69.9	43.5		3612KL-05W-B50-B00	101-2784
92 38 12	15.6	107	54		3615KL-04W-B70-E01	101-2785
92 38 24	16.8	189	53		3615KL-05W-B70-E00	101-2786
119 25 12	3.36	88.2	35		4710KL-04W-B30-E00	101-2787
119 25 24	3.6	88.2	35		4710KL-05W-B30-E00	101-2788
119 25 24	6.96	114.7	41.5		4710KL-05W-B50-E00	101-2789
119 32 12	5.76	99.9	44		4712KL-04W-B30-P00	101-2790
119 32 24	6.72	99.9	44		4712KL-05W-B30-P00	101-2791
119 119 38	12	129.9	50		4715KL-04W-B50-P00	154-5816
119 119 38	8.40	118.0	46.5		4715KL-05W-B40-P00	154-5817
119 119 38	12.0	130.0	50		4715KL-05W-B50-P00	154-5818
119 38 24	7.44	108	42.5		4715KL-05W-B30-P00	101-2792
119 119 38	48	7.68	108.0	42.5	4715KL-07W-B30-P00	154-5819
120 120 25	12	6.84	90	39	4710KL-04W-B50-E00	942-0150
120 120 38	12	6.6	108.2	42.5	4715KL-04W-B30-P00	942-0169

204297

Dimensions		Voltage		Price Each	
H	W	D	Vdc	Order Code	
25	25	10	5	154-5794	
25	25	10	12	154-5795	
25	25	10	12	154-5797	
30	30	10	12	154-5798	
30	30	10	12	154-5799	
35	35	10	12	154-5800	
35	35	10	12	154-5801	
40	40	10	5	154-5803	
40	40	10	12	154-5804	
40	40	15	5	101-2743	
40	40	15	5	101-2744	
40	40	15	12	942-0134	
40	40	15	12	101-2746	
40	40	15	24	101-2748	
40	40	20	12	154-5805	
50	50	10	5	101-2750	
50	50	10	12	101-2751	
50	50	10	12	101-2752	
52	52	15	12	101-2753	
60	60	10	12	154-5806	
60	60	15	12	154-5807	
60	60	15	12	154-5808	
60	60	15	24	154-5809	
60	60	20	12	101-2755	
60	60	20	24	101-2756	
60	60	20	24	101-2758	
60	60	25	12	942-0142	
60	60	25	12	101-2759	
60	60	25	12	101-2762	
60	60	25	12	101-2763	
60	60	25	12	101-2764	
60	60	25	12	154-5810	
60	60	25	24	101-2760	
60	60	25	24	101-2761	
60	60	25	24	101-2765	
60	60	25	24	101-2766	
60	60	25	24	101-2767	
60	60	25	24	154-5811	
60	60	25	24	154-5812	
80	80	15	12	101-2768	
80	80	15	12	101-2771	
80	80	20	12	144-7966	
80	80	20	24	154-5813	
80	80	25	12	101-2772	
80	80	25	12	101-2774	
80	80	25	12	101-2775	
80	80	25	12	101-2776	
80	80	25	24	101-2773	
80	80	25	24	101-2777	
80	80	25	24	101-2778	
80	80	25	24	101-2779	
92	92	25	12	154-5815	
92	92	32	12	101-2780	
92	92	32	12	101-2781	
92	92	32	24	101-2783	
92	92	32	24	101-2784	
92	92	38	12	101-2785	
92	92	38	24	101-2786	
119	119	25	12	101-2787	
119	119	25	24	101-2788	
119	119	25	24	101-2789	
119	119	32	12	101-2790	
119	119	32	24	101-2791	
119	119	38	12	154-5816	
119	119	38	24	154-5817	

Dimensions		Voltage		Price Each	
H	W	D	Vdc	Order Code	
119	119	38	24	154-5818	
119	119	38	24	101-2792	
119	119	38	48	154-5819	
120	120	25	12	942-0150	
120	120	38	12	942-0169	

40 - 120mm Axial Fans DC



- High quality
- CE, CSA and TUV approved and UL Recognised
- 350mm wire leaded
- Ball bearing(BB) operating temp. -30 to +75°C, life at 40°C of 50,000 hours
- Sleeve bearing(SB) operating temp. -10 to +70°C, life at 40°C of 30,000 hours

Voltage	Power (W) (50/60Hz)	CFM	Noise dBA@1m	Speed rpm	Bearing	Order Code
40 x 40 x 10 - Ultraslim						
5V DC	0.9	6.48	24.5	5000	SB	971-4774
5V DC	0.9	6.48	24.5	5000	BB	971-4782
5V DC	1.15	7.7	29	6500	BB	971-5177
12V DC	1.08	6.48	24.5	5000	SB	971-4790
12V DC	1.08	6.48	24.5	5000	BB	971-4804
12V DC	1.56	7.7	29	6500	BB	971-5185
40 x 40 x 20 - Standard						
12V DC	0.96	0.17		5000	Ball	183-2317
12V DC	1.2	7.09	26.4	5000	SB	971-4812
12V DC	1.2	7.09	26.4	5000	BB	971-4820
12V DC	1.92	8.53	31	7000	BB	971-5193
24V DC	2.4	0.17	22	5000	Ball	183-2318
24V DC	3.12	7.09	26.4	5000	SB	971-4839
24V DC	3.12	7.09	26.4	5000	BB	971-4847
24V DC	4.32	8.53	31	7000	BB	971-5207
50 x 50 x 10 - Ultraslim						
12V DC	0.84	0.212	20	3500	Ball	183-2319
12V DC	1.2	8.79	29	3500	BB	971-4855
12V DC	1.2	8.79	29	3500	BB	971-4863
50 x 50 x 15						
12V DC	1.8	15.75	35.3	3800	BB	971-4871
60 x 60 x 10 - Ultraslim						
12V DC	1.92	20.7	35	4200	BB	971-4880
60 x 60 x 15						
12V DC	1.92	20.22	28.7	3800	SB	971-4898
12V DC	1.92	20.22	28.7	3800	BB	971-4901
60 x 60 x 20						
12V DC	1.08	0.39	23.39	5000	Ball	183-2320
60 x 60 x 25 - Slimline						
12V DC	1.08	0.36	23	2600	Ball	183-2321
12V DC	1.56	19.5	29.6	2600	SB	971-4910
12V DC	1.56	19.5	29.6	3800	BB	971-4928
12V DC	4.68	38.4	46	7000	BB	971-5215
24V DC	1.92	0.36	23	2600	Ball	183-2322
24V DC	2.88	19.5	29.6	3800	BB	971-4936
24V DC	5.28	38.4	46	7000	BB	971-5223
70 x 70 x 15						
12V DC	1.8	0.79	31	3500	Ball	183-2324
80 x 80 x 20						
12V DC	1.32	0.77	22.6	2100	Sleeve	183-2325
80 x 80 x 25 - Slimline						
12V DC	1.8	0.85	23.7	2100	Sleeve	183-2326
12V DC	3.6	44	35.6	3300	SB	971-4944
12V DC	3.6	44	35.6	3300	BB	971-4952
12V DC	4.8	55.53	40	4000	BB	971-5231
24V DC	2.88	0.85	23.7	2100	Sleeve	183-2327
24V DC	5.04	44	35.6	3300	SB	971-4960
24V DC	5.04	44	35.6	3300	BB	971-4979
24V DC	6	55.53	40	4000	BB	971-5240
92 x 92 x 25 - Slimline						
12V DC	1.92	1.174	28	2000	Sleeve	183-2328
12V DC	2.4	50.5	34	2500	BB	971-4987
12V DC	3.84	58.7	38	3000	BB	971-5258
24V DC	3.36	50.5	34	2500	BB	971-4995
24V DC	4.32	58.7	38	3000	BB	971-5266
120 x 120 x 25 - Slimline						
12V DC	1.68	1.738	38	2000	Sleeve	183-2329
12V DC	3	74.5	43.84	2500	BB	971-5002
24V DC	2.4	1.738	38	2000	Sleeve	183-2330
24V DC	4.32	74.5	43.84	2500	BB	971-5010
120 x 120 x 38 - Standard						
12V DC	13.2	145	48	2900	BB	971-5029
12V DC	4.56	88.3	48	3000	BB	971-5274
24V DC	19.2	145	48	2900	BB	971-5037
24V DC	5.76	88.3	48	3000	BB	971-5282
48V DC	19.2	145	48	2900	BB	971-5045

Axial Flow Fans - DC Voltage - continued

40 - 120mm Axial Fans - continued

DC - continued

Price Each

505430

Mftrs. List No.	Order Code
40mm x 10mm - Ultrathin	
SP401005M-W	971-4774
BP401005M-W	971-4782
BP401005H-W	971-5177
SP401012M-W	971-4790
BP401012M-W	971-4804
BP401012H-W	971-5185
40mm x 20mm - Standard	
BP402012L	NEW 183-2317
SP402012M-W	971-4812
BP402012M-W	971-4820
BP402012H-W	971-5193
BP402024L	NEW 183-2318
SP402024M-W	971-4839
BP402024M-W	971-4847
BP402024H-W	971-5207
50mm x 10mm - Ultrathin	
BP501012L	NEW 183-2319
SP501012M-W	971-4855
BP501012M-W	971-4863
50mm x 15mm	
SP501512M-W	971-4871
60mm x 10mm - Ultrathin	
BP601012M-W	971-4880
60mm x 15mm	
SP601512M-W	971-4898
BP601512M-W	971-4901
60mm x 20mm	
BP602012L	NEW 183-2320
60mm x 25mm - Slimline	
BP602512L-03	NEW 183-2321
SP602512H-03-W	971-4910
BP602512H-03-W	971-4928
BP602512HH-03-W	971-5215
BP602524L-03	NEW 183-2322
BP602524H-03-W	971-4936
BP602524HH-03-W	971-5223
70mm x 15mm	
BP701512L	NEW 183-2324
80mm x 20mm	
SP802012L	NEW 183-2325
80mm x 25mm - Slimline	
SP802512L-03	NEW 183-2326
SP802512H-03-W	971-4944
BP802512H-03-W	971-4952
BP802512HL-03-W	971-5231
SP802524L-03	NEW 183-2327
SP802524H-03-W	971-4960
BP802524H-03-W	971-4979
BP802524HL-03-W	971-5240
92mm x 25mm - Slimline	
SP922512L-02	NEW 183-2328
BP922512M-W	971-4987
BP922512H-W	971-5258
BP922524M-W	971-4995
BP922524H-W	971-5266
120mm x 25mm - Slimline	
SP1202512L	NEW 183-2329
BP1202512M-W	971-5002
SP1202524L	NEW 183-2330
BP1202524M-W	971-5010
120mm x 38mm - Standard	
BP1203812H-03-W	971-5029
BP1202512H-W	971-5274
BP1203824H-03-W	971-5037
BP1202524H-W	971-5282
BP1203848H-03-W	971-5045

Axial Flow Fans - DC

Traditional Motor Series



- Plastic frame and plastic impeller
- Sleeve or ball bearings
- Supplied with connecting leads
- CE, TUV Approved, UL Recognised

Voltage V dc	Power Watts	Current mA	Noise dBA	Air Flow cu. ft./min.	Speed RPM	Bearing Type	Mftrs. List No.	Order Code
5	0.8	161	27	7.0	5800	SB	KD0504PFS2.11.GN	156-8429
5	0.7	140	21	7.7	6200	SB	KD0504PKS2.GN	156-8430
12	0.8	63	21	7.7	6200	SB	KD1204PKS2.GN	156-8431
5	0.9	181	26	11.0	4300	SB	KD0505PFS2.11.GN	156-8432
12	1.2	104	26	11.0	4300	SB	KD1205PFS2.11.GN	156-8433
5	0.9	169	29	13.0	4700	SB	KD0505PHS2.GN	156-8434
12	1.0	81	29	13.0	4700	SB	KD1205PHS2.GN	156-8435
24	1.3	54	29	13.0	4700	SB	KD2405PHS2.GN	156-8436
5	0.9	187	31	18.0	3800	SB	KD0506PHS2.GN	156-8438
12	1.1	93	31	18.0	3800	SB	KD1206PHS2.GN	156-8439
24	1.3	56	31	18.0	3800	SB	KD2406PHS2.GN	156-8440
5	1.6	32	31	18.0	4300	BB	KD0506PTB2.(2).GN	156-8441
12	1.0	87	30	19.3	3800	BB	KD1206PTB2.(2).GN	156-8442
24	1.9	80	31	18.0	4300	BB	KD2406PTB2.(2).GN	156-8443
12	1.3	110	37	35.0	3000	BB	KD1208PKB2.13.(2).GN	156-8444
24	1.1	47	37	35.0	3000	BB	KD2408PKB2.13.(2).GN	156-8445
12	1.3	110	32	37.0	2800	BB	KD1208PTB2.13.(2).GN	156-8446
24	1.2	50	32	37.0	2800	BB	KD2408PTB2.13.(2).GN	156-8447
12	1.6	130	33	48.0	2600	BB	KD1209PTB2.13.(2).GN	156-8448
24	1.4	60	33	48.0	2600	BB	KD2409PTB2.13.(2).GN	156-8451
12	3.6	240	41	80	2800	BB	KD1212PTB2-6A.GN	960-6394
24	4.1	170	41	80	2800	BB	KD2412PTB2-6A.GN	960-6408
24	5.5	210	36.5	98	2800	BB	KD2412PMB2-6A.GN	960-6424
12	6.8	520	42	108	3100	BB	KD1212PMB1-6A.GN	960-6416
12	4.4	365	41	117.6	2350	BB	KD1212PMB2.13.(2).GN	156-8452

505991

Dimensions (mm)

Price Each

H	W	D	Mftrs. List No.	Order Code
40	40	10	KD0504PFS2.11.GN	156-8429
40	40	20	KD0504PKS2.GN	156-8430
40	40	20	KD1204PKS2.GN	156-8431
50	50	10	KD0505PFS2.11.GN	156-8432
50	50	10	KD1205PFS2.11.GN	156-8433
50	50	15	KD0505PHS2.GN	156-8434
50	50	15	KD1205PHS2.GN	156-8435
50	50	15	KD2405PHS2.GN	156-8436
60	60	15	KD0506PHS2.GN	156-8438
60	60	15	KD1206PHS2.GN	156-8439
60	60	15	KD2406PHS2.GN	156-8440
60	60	25	KD0506PTB2.(2).GN	156-8441
60	60	25	KD1206PTB2.(2).GN	156-8442
60	60	25	KD2406PTB2.(2).GN	156-8443
80	80	20	KD1208PKB2.13.(2).GN	156-8444
80	80	20	KD2408PKB2.13.(2).GN	156-8445
80	80	25	KD1208PTB2.13.(2).GN	156-8446
80	80	25	KD2408PTB2.13.(2).GN	156-8447
92	92	25	KD1209PTB2.13.(2).GN	156-8448
92	92	25	KD2409PTB2.13.(2).GN	156-8451
120	120	25	KD1212PTB2-6A.GN	960-6394
120	120	25	KD2412PTB2-6A.GN	960-6408
120	120	38	KD2412PMB2-6A.GN	960-6424
120	120	38	KD1212PMB1-6A.GN	960-6416
120	120	38	KD1212PMB2.13.(2).GN	156-8452

Axial Flow Fans - DC

Powerl Motor Series



- Plastic frame and plastic impeller
- Sleeve or ball bearings
- Supplied with connecting leads
- CE, TUV Approved, UL Recognised

Voltage V dc	Power Watts	Current mA	Noise dBA	Air Flow cu. ft./min.	Speed RPM	Bearing Type	Mftrs. List No.	Order Code
12	8.6	0.72	55.5	24.0	15000	BB	PMD1204PQB1-A.(2).U.GN	156-8468
12	10.6	0.88	56	56.5	8000	BB	PMD1206PMB1-A.(2).GN	156-8480
24	10.3	0.43	56	56.5	8000	BB	PMD2406PMB1-A.(2).GN	156-8481
48	11.5	0.24	56	56.5	8000	BB	PMD4806PMB1-A.(2).GN	156-8482
12	9.1	0.76	55.2	84.1	5700	BB	PMD1208PMB1-A.(2).GN	156-8485
24	9.6	0.40	55.2	84.1	5700	BB	PMD2408PMB1-A.(2).GN	156-8487
48	9.1	0.19	55.2	84.1	5700	BB	PMD4808PMB1-A.(2).GN	156-8488

60909

Over 500 000 products available online



Dimensions (mm)			Mfrs. List No.		Order Code	Price Each
H	W	D				
40	40	28	PMD1204PQB1-A.(2).U.GN		156-8468	●
60	60	38	PMD1206PMB1-A.(2).GN		156-8480	●
60	60	38	PMD2406PMB1-A.(2).GN		156-8481	●
60	60	38	PMD4806PMB1-A.(2).GN		156-8482	●
80	80	38	PMD1208PMB1-A.(2).GN		156-8485	●
80	80	38	PMD2408PMB1-A.(2).GN		156-8487	●
80	80	38	PMD4808PMB1-A.(2).GN		156-8488	●

Axial Flow Fans - DC

Maglev Motor Series



- Auto re-start
- Long life
- Stable operation
- Supplied with 300mm lead
- 3rd sensing wire versions available
- Operating temperature range -10°C to +90°C
- CE, CUR, TUV Approved, UL Recognised



Dimensions (mm)			Voltage V dc	Power Watts	Air Flow cu. ft./min.	Noise dBA@1m	Mfrs. List No.	Order Code
H	W	D						
2-Wire Fans								
20	20	8	5	0.6	1.3	21	GM0501PDV2-8.GN	156-8453
20	20	10	5	0.9	1.5	20	GM0501PFV2-8.N.GN	156-8454
25	25	6	5	0.4	2.2	23	GM0502PEV2-8.N.GN	156-8455
25	25	10	5	0.4	3.0	16	GM0502PFV2-8.GN	156-8456
25	25	15	5	0.4	2.2	14	GM0502PHV2-8.GN	156-8457
25	25	15	12	0.4	2.2	14	GM1202PHV2-8.GN	156-8458
30	30	6	5	0.4	3.7	24	GM0503PEV2-8.N.GN	156-8459
30	30	6	5	0.9	4.9	29	GM0503PEV1-8.N.GN	960-6262
30	30	10	5	0.5	4.6	20	GM0503PFV2-8.GN	156-8460
30	30	10	12	0.7	3	25	GM1203PFV2-8.GN	960-6289
30	30	15	5	0.4	4.8	20	GM0503PHV2-8.GN	156-8461
30	30	15	12	0.4	4.8	20	GM1203PHV2-8.GN	156-8463
35	35	6	5	0.5	4.3	19	GM0535PEV2-8.N.GN	156-8464
35	35	10	5	0.5	6.5	22	GM0535PFV2-8.GN	156-8465
35	35	10	12	0.8	4.5	21	GM1235PFV2-8.GN	960-6297
40	40	6	5	0.55	5.3	28	GM0504PEV2-8.GN	960-6270
40	40	10	5	0.9	7	27	MB40100V2-0000-A99	182-4255
40	40	10	12	0.96	7	27	MB40101V2-0000-A99	182-4257
40	40	20	5	0.32	7.7	21	MB40200V2-0000-A99	182-4256
40	40	20	12	0.6	7.7	21	MB40201V2-0000-A99	182-4258
40	40	20	24	0.8	7.7	21	MB40202V2-0000-A99	182-4271
50	50	10	5	0.8	11	26	KDE0505PFV2.11.MS.A.GN	156-8469
50	50	10	12	1.1	11	26	KDE1205PFV2.11.MS.A.GN	156-8470
50	50	15	5	0.8	13	29	KDE0505PHV2.MS.A.GN	156-8471
50	50	15	12	1.5	16.1	36	ME50151V2-0000-A99	182-4262
50	50	15	24	1.92	16.1	36	ME50152V2-0000-A99	182-4273
60	60	15	5	0.9	18	31	KDE0506PHV2.MS.A.GN	156-8475
60	60	15	12	1.68	21.9	32.5	ME60151V2-0000-A99	182-4264
60	60	15	24	2.04		32.5	ME60152V2-0000-A99	182-4274
60	60	20	12				MB60201V2-0000-A99	182-4265
60	60	20	24				MB60202V2-0000-A99	182-4275
60	60	25	12	1.1	19.3	31	KDE1206PTV2.13.MS.A.GN	960-6335
60	60	25	12				MB60251V2-0000-A99	182-4266
60	60	25	24	1.9	19.3	31	KDE2406PTV2.13.MS.A.GN	960-6343
60	60	25	24				MB60252V2-0000-A99	182-4276
80	80	20	12				ME80201V2-0000-A99	182-4268
80	80	20	24				ME80202V2-0000-A99	182-4277
80	80	25	12	1.4	37	30	ME80251V2-0000-A99	182-4269
80	80	25	24	1.4	37	30	ME80252V2-0000-A99	182-4278
92	92	25	12	2	45	32	ME92251V2-0000-A99	182-4270
92	92	25	24	1.6	45	32	ME92252V2-0000-A99	182-4279
120	120	38	48	5.8	116	44	MEC0384V2-0000-A99	182-4280
3-Wire Fans								
40	40	10	12	0.8	8.6	36	GM1204PFVX-AF.GN	960-6432
40	40	20	12	1.38	10.8	27.5	MB40201VX-0000-G99	182-4261
60	60	15	12	1.92	25.2	36.2	ME60151V1-0000-G99	182-4263
60	60	25	12				MB60251VX-0000-G99	182-4267

Price Each

Mfrs. List No.	Order Code	Price Each
2-Wire Fans		
GM0501PDV2-8.GN	156-8453	●
GM0501PFV2-8.N.GN	156-8454	●
GM0502PEV2-8.N.GN	156-8455	●
GM0502PFV2-8.GN	156-8456	●
GM0502PHV2-8.GN	156-8457	●
GM1202PHV2-8.GN	156-8458	●
GM0503PEV2-8.N.GN	156-8459	●
GM0503PEV1-8.N.GN	960-6262	●
GM0503PFV2-8.GN	156-8460	●
GM1203PFV2-8.GN	960-6289	●
GM0503PHV2-8.GN	156-8461	●
GM1203PHV2-8.GN	156-8463	●
GM0535PEV2-8.N.GN	156-8464	●
GM0535PFV2-8.GN	156-8465	●
GM1235PFV2-8.GN	960-6297	●
GM0504PEV2-8.GN	960-6270	●
MB40100V2-0000-A99	NEW 182-4255	●
MB40101V2-0000-A99	NEW 182-4257	●
MB40200V2-0000-A99	NEW 182-4256	●
MB40201V2-0000-A99	NEW 182-4258	●

Mfrs. List No.	Order Code	Price Each
2-Wire Fans		
MB40202V2-0000-A99	NEW 182-4271	●
KDE0505PFV2.11.MS.A.GN	156-8469	●
KDE1205PFV2.11.MS.A.GN	156-8470	●
KDE0505PHV2.MS.A.GN	156-8471	●
ME50151V2-0000-A99	NEW 182-4262	●
ME50152V2-0000-A99	NEW 182-4273	●
KDE0506PHV2.MS.A.GN	156-8475	●
ME60151V2-0000-A99	NEW 182-4264	●
ME60152V2-0000-A99	NEW 182-4274	●
MB60201V2-0000-A99	NEW 182-4265	●
MB60202V2-0000-A99	NEW 182-4275	●
KDE1206PTV2.13.MS.A.GN	960-6335	●
MB60251V2-0000-A99	NEW 182-4266	●
KDE2406PTV2.13.MS.A.GN	960-6343	●
MB60252V2-0000-A99	NEW 182-4276	●
ME80201V2-0000-A99	NEW 182-4268	●
ME80202V2-0000-A99	NEW 182-4277	●
ME80251V2-0000-A99	NEW 182-4269	●
ME80252V2-0000-A99	NEW 182-4278	●
ME92251V2-0000-A99	NEW 182-4270	●
ME92252V2-0000-A99	NEW 182-4279	●
MEC0384V2-0000-A99	NEW 182-4280	●

Mfrs. List No.	Order Code	Price Each
3-Wire Fans		
GM1204PFVX-AF.GN	960-6432	●
MB40201VX-0000-G99	NEW 182-4261	●
ME60151V1-0000-G99	NEW 182-4263	●
MB60251VX-0000-G99	NEW 182-4267	●

DC Axial Fans (Panaflo)

Hydro Wave Bearing



Panaflo axial fans suit a wide range of applications. They force air out in a "funnel" type pattern, and are ideal when cooling a specific area such as a power supply that is surrounded by numerous components with minimum ventilation available. Panaflo's unique Hydro Wave Bearing (HWB) addresses the traditional weakness of sleeve bearings, axial friction. The HWB system utilizes a thrust plate that "floats" on a circulating film of oil greatly reducing axial friction and bearing deterioration. The HWB pattern on the bearing virtually eliminates thrust plate contact.

- Locked rotor protection
- Auto-start function
- Lower circuit noise
- Easy access to lead wires (2) via plug-in connector on housing
- CSA Approved and UL Recognised

Voltage V dc	Power W	Air Flow cu.ft./min	Air Flow m³/min	Noise dB	Current mA	Speed rpm	Mfrs. List No.	Order Code
12	1.86	19.1	0.54	32	155	4200	FBA06A12H1A	109-8886
24	2.04	19.1	0.54	32	85	4200	FBA06A24H1A	109-8888
12	2.08	39.6	1.12	32	173	2950	FBA08A12H1A	109-8889
24	2.52	39.6	1.12	32	105	2950	FBA08A24H1A	109-8890
12	0.82	24	0.68	21	68	1900	FBA08A12L1A	154-5848
24	1.3	24	0.68	21	54	1900	FBA08A24L1A	154-5849
12	2.7	56.8	1.61	35	225	2850	FBA09A12H1A	109-8891
24	3.36	56.8	1.61	35	140	2850	FBA09A24H1A	109-8892
12	1.8	48	1.36	30	150	2450	FBA09A12M1A	154-5850
12	2.7	56.8	1.61	35	255	2950	FBA09A12H1B0	154-5852
24	2.64	48	1.36	30	110	2450	FBA09A24M1A	154-5853
12	2.7	56.8	1.61	35	140	2950	FBA09A12H1BS	154-5854
12	2.16	68.9	1.95	30	180	1700	FBA12G12L1A	109-8893
24	2.64	68.9	1.95	30	110	1700	FBA12G24L1A	109-8894
12	4.44	103.8	2.94	41.5	370	2500	FBA12G12H1A	154-5855
24	4.8	103.8	2.94	41.5	200	2500	FBA12G24H1A	154-5856

Dimensions			Voltage	Mfrs. List No.	Order Code	Price Each
H	W	D	V dc			
60	60	25.5	12	FBA06A12H1A	109-8886	●
60	60	25.5	24	FBA06A24H1A	109-8888	●
80	80	25.5	12	FBA08A12H1A	109-8889	●
80	80	25.5	24	FBA08A24H1A	109-8890	●
80	80	26	12	FBA08A12L1A	NEW 154-5848	●
80	80	26	24	FBA08A24L1A	NEW 154-5849	●
92	92	25.5	12	FBA09A12H1A	109-8891	●
92	92	25.5	24	FBA09A24H1A	109-8892	●
92	92	26	12	FBA09A12M1A	NEW 154-5850	●
92	92	26	12	FBA09A12H1B0	NEW 154-5852	●
92	92	26	24	FBA09A24M1A	NEW 154-5853	●
92	92	26	12	FBA09A12H1BS	NEW 154-5854	●
120	120	38	12	FBA12G12L1A	109-8893	●
120	120	38	24	FBA12G24L1A	109-8894	●
120	120	38	12	FBA12G12H1A	NEW 154-5855	●
120	120	38	24	FBA12G24H1A	NEW 154-5856	●

Axial Flow Fans - DC Voltage - continued

Miniature, Tube Fans



24mm 36mm 48mm 60mm

- Brushless, low noise
- Black reinforced plastic housing and impeller
- Supplied with 200mm flying leads
- Sleeved bearings

Voltage V dc	Power Watts	Air Flow cu ft/min	ltrs/sec	Noise dBA@1m	Mfrs. List No.	Order Code
24mm Dia						
6	0.19	1.77	0.83	33	D241L-006GK-1	117-5738
36mm Dia						
12	0.96	9.74	4.6	46	D341T-012GK-2	117-5740
24	0.96	9.74	4.6	46	D341T-024GK-2	117-5741
48mm Dia						
12	3.5	22.38	10.56	53	D481T-012KA-3	117-5742
24	2.9	20.12	9.5	51	D481T-024KA-3	117-5743
60mm Dia						
12	6.68	42.1	19.86	57	D601T-012KA-3	117-5744
24	5.54	40.4	19.05	56	D601T-024KA-3	117-5745

227521

Dimensions Dia x D	Voltage VDC	Order Code	Price Each
24x30	6	117-5738	●
36x36	12	117-5740	●
36x36	24	117-5741	●
48x60	12	117-5742	●
48x60	24	117-5743	●
60x60	12	117-5744	●
60x60	24	117-5745	●

Humidity Protected



- Improved humidity protection ≤95%
- Designed to meet humidity range according to group C of DIN40040 item 3.3

Limits of relative humidity are: Annual Mean Value ≤95%
Maximum value a) On 30 days of the year (naturally distributed) 100%
b) On all other days occasionally (under observation of the annual mean value 100%, dewing is allowed)

Voltage V dc	Range V dc	Power Watts	Air Flow cu ft/min	ltrs/sec	Noise dBA@1m	Bearing Type	Mfrs. List No.	Order Code
12	8 to 15	2	19.4	9.1	32	SB	8412NGR	960-0108
24	18 to 28	0.7	19.4	9.1	32	SB	8414NGR	960-0116
12	6 to 15	5	100	47.2	45	BB	4312R	960-0124
24	12 to 28	5	100	47.2	45	BB	4314R	960-0132

204348

Dimensions			Voltage	Order Code	Price Each
H	W	D	V dc		
80	80	25	12	960-0108	●
80	80	25	24	960-0116	●
120	120	32	12	960-0124	●
120	120	32	24	960-0132	●

IP54 Rated



- IP54 rating gives protection in extreme environmental conditions
- Complete stator and PCB are totally encapsulated in polyurethane which is applied under high vacuum pressure forming a one piece moulding
- High quality stainless steel bearing system

Dimensions H	W	D	Voltage V dc	Power Watts	Air Flow cu ft/min	ltrs/sec	Noise dBA @ 1m	Mfrs. List No.	Order Code
80	80	32	12	2.2	32	15.1	36	8312U	960-0140
80	80	32	24	2.2	32	15.1	36	8314U	960-0159
120	120	32	12	5.4	82.4	38.8	39	4312U	960-0167
120	120	32	24	2.6	82.4	38.8	39	4314U	960-0175

204351

Dimensions			Voltage	Order Code	Price Each
H	W	D	V dc		
80	80	32	12	960-0140	●
80	80	32	24	960-0159	●
120	120	32	12	960-0167	●
120	120	32	24	960-0175	●

DC Diagonal Fan

Series DV 5200 - 127 x 127 x 38 mm



- Diagonal compact fan with low noise and high pressure saddle.
- Highly stable characteristic curve for high air flow with high back pressure.
- Housing of fiberglass-reinforced plastic
- Impeller of fiberglass-reinforced plastic PA
- Housing with grounding lug for screw M4 x 8 (Torx).
- Fully integrated electronic commutation.
- Protected against reverse polarity and blocking.
- Electrical connection via single leads AWG 22, TR 64, bared and tin-plated.
- Blowing over struts. Rotational direction CCW looking at rotor.
- VDE, CSA & CE Approved, UL Recognised

600684

Nominal Voltage	Mfrs. List No.	Order Code	Price Each
12V DC	DV5212/2N	178-1403	●

Low Profile, 70mm



- Very compact 15mm low profile fan
- High air flow value and minimum noise level
- DC drive employs an electronically commutated external rotor motor with high efficiency
- Drive electronics are completely integrated into fan hub
- Can be mounted in any position
- Electronic protection against reverse polarity, blocking and overloading
- Extremely low EMI
- New revolutionary sintec sleeve bearing design assures high life time - over 60,000 hours @ 40°C
- Pressure resistant performance curve, specifically designed for CPU cooling and high pressure/low space application
- Manufactured from fibreglass reinforced plastic, PBT housing and PA impeller
- Weight: 53g
- Operating temperature -20°C to +70°C

Dimensions (HxWxD)	70 x 70 x 15	Fixing centres	61.5 x 61.5					
Fixing hole Ø	4.3	Cut-out Ø	68					
Voltage V dc	Power Watts	Air Flow Cu. ft./min.	m³/h	Noise dB(A)	Current Consumption (mA)	Speed RPM	Mfrs. List No.	Order Code
12	1.7	25.9	44	38	140	5300	712F	960-0841

249106

Mfrs. List No.	Order Code	Price Each
712F	960-0841	●

'VARIOFAN'



60mm H=60, W=60, D=25.
Cut-out Ø=58, Fix. centres=50 x 50 x 4

80mm H=80, W=80, D=25.
Cut-out Ø=77, Lead length=310, Fix. centres=71.5 x 71.5 x 4

92mm H=92, W=92, D=25.
Cut-out Ø=89, Lead length=310, Fix. centres=82.5 x 82.5 x 4.3

119mm H=119, W=119, D=32, Cut-out Ø=115, Lead length=310, Fix. centres=105 x 105 x 4

- Variable speed
- External NTC thermistor controls speed/airflow relative to temperature
- Thermistor supplied but not fitted, for user flexibility
- Fan speed automatically reduces by upto 50% as thermistor temperature decreases
- Overload and reverse polarity protected
- Glass reinforced plastic (POCAN) housing
- 80mm version VDE approved
- 60mm version VDE, CSA, and CE Approved, UL Recognised

Life expectancy		Temp.		Power		Air Flow		Noise	Bearing	Mftrs.	Order
V dc	Range V dc	of NTC °C	of NTC °C	Watts	cu ft/min	ltrs/sec	cu ft/min	dBA@1m	type.	List No.	Code
		>27500 hours (sleeve bearing (SB))									
		>37500 hours (ball bearing (BB))									
		-20°C to +65°C									
80mm, Slim											
12	8 to 12.6	-	-	1.7	-	35m³/h	28	Sleeve		612NGMI	137-2288
80mm, Slim											
12	8 to 14	30	86.8	0.8	15.9	7.5	10				
		50	30.0	1.5	26.5	15.5	19	SB		8412NGMLV	960-0264
92mm, Slim											
12	8 to 14	30	86.8	1.9	29.5	14.0	16				
		50	30.0	2.4	49.4	23.4	32	SB		3412NGV	960-0272
119mm, Standard											
12	8 to 12.6	30	86.8	1.4	41.2	19.4	22				
		50	30.0	3.4	82.5	29.7	40	BB		4312MV-R	960-0183

204291

Order Code	Price Each
60mm, Slim	137-2288
80mm, Slim	960-0264
92mm, Slim	960-0272
119mm, Standard	960-0183

DC 120mm - Cast Aluminium Housing



- Cast aluminium housing
- High quality
- 350mm wire leaded
- Ball bearing operating temp: -30°C to +75°C. Life at 40°C of 50000 hrs
- Sleeve bearing operating temp: -10°C to 70°C. Life at 40°C of 30000 hrs
- Approved to **CE, CUL, UL** recognised (See table below)

Voltage (V dc)	Power	CFM	Noise dBA@1m	Bearing	Approved UL	CUL	CE	Order Code
120mm Ultra High Airflow - 38mm deep								
12	21.6	168	50	Ball	✓	✓	✓	971-5290
12	21.6	168	50	Sleeve	✓	✓	✓	971-5304
24	26.4	168	50	Ball	✓	✓	✓	971-5312
24	26.4	168	50	Sleeve	✓	✓	✓	971-5320

346956

Mftrs. List No.	Order Code
BP1203812HH-03-W	971-5290
SP1203812HH-03-W	971-5304
BP1203824HH-03-W	971-5312
SP1203824HH-03-W	971-5320

119mm (Cast Aluminium Housings)



- Compact, high air flow, low power fans
- External rotor with electronic communication
- Stall and reverse polarity protected
- Hard wired or lead connection

H=119, W=119, D=38 Cut out Ø=115
Fixing centres=105 x 105 x 40

Life expectancy		Power		Air Flow		Noise	Operating	Bearing	Mftrs.	Order
V dc	Range V dc	Watts	cu ft/min	ltrs/sec	dBA@1m	Temp °C	type.	List No.	List No.	Code
>35000 hours sleeve bearing (SB).										
12	7 to 15	3.5	94	44.3	44	-10 to +75	SB	4182NGX	960-0965	
24	12 to 30	3.5	94	44.3	44	-10 to +75	SB	4184NGX	960-0973	

204335

Voltage	Order Code
12V	960-0965
24V	960-0973

150mm



- Metal fan housing and impeller
- Integral electronic protection against reverse polarity and blocking
- Supplied with two connection leads 365mm long, stripped and tinned at the ends

Operating life @ 40°C 60000h
Operating temperature -20°C to +60°C

Dia. = 150, D=55
Fixing centres= 162 x 4.3

Voltage V dc	Power Watts	Air Flow cu ft/min	ltrs/sec	Noise dBA@1m	Mftrs. List No.	Order Code
12	12	211.9	100	50	7212N	960-0906
24	12	211.9	100	50	7214N	960-0914

204294

Order Code	Price Each
12V dc	960-0906
24V dc	960-0914

172mm



- Metal fan housing and impeller
- Fitted with ball bearings
- Electronic protection against reverse polarity and blocking
- Electronic motor current limitation on start up and when rotor is blocked
- **VDE** and **CSA** approved, **UL** recognised

Voltage V dc	Power Watts	Air Flow cu ft/min	ltrs/sec	Noise dBA@1m	Mftrs. List No.	Order Code
12	12	206	97.7	50	6212NM	960-0213
24	18	241.3	114	55	6224N	960-0221

204360

Dimensions	Voltage	Order Code
Dia. Depth	V dc	
172 51	12	960-0213
172 51	24	960-0221

172mm DC Axial Fan S-Force



- 3-Phase fan drive for high running smoothness
- Highly stable characteristic curve for high air flow with high back pressure
- Low noise at high back pressure
- Fully integrated electronic commutation
- Protected against reverse polarity and blocking
- Housing manufactured from aluminium, impeller in fibreglass reinforced PA
- Housing has grounding lug for M4 x 8 (Torx) screw
- Electrical connection via single leads with stripped and tinned ends

Voltage	Power Input	Air Flow	Noise (dBA)	Mftrs. List No.	Order Code
12V DC	41W	353.1cu.ft/min	64	6312/2TDHP	163-5442
24V DC	41W	353.1cu.ft/min	64	6314/2TDHP	163-5443
24V DC	67W	417.9cu.ft/min	69	6314/2DHP	163-5444

523362

NominalMftrs.	Price Each
Voltage List No.	Order Code
172mm Dia. x 51mm deep	
12V DC 6312/2TDHP	163-5442
24V DC 6314/2TDHP	163-5443
24V DC 6314/2DHP	163-5444

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