

**High Performance ac/dc Fans**

171.5mm, 225mm



- 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

**AC Compact Fans**

Supply - 230V - Single Phase - 50Hz

Air Flow (l/s)	Dimensions H W D	Impeller	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

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Type	Mftrs. List No.	Order Code	1+	5+	10+	25+
AC Compact	6058ES	960-1198	3,798.00	3,421.00	3,287.00	--
AC Compact	W2E200-HH38-01	960-1201	6,149.00	5,842.00	5,524.00	5,190.00
AC Compact	04013-2-4039	117-1827	478.00	466.00	443.00	380.00
AC Compact	78128-2-4039	117-1828	760.00	726.00	690.00	591.00

**AC & DC Axial Flow Fans**



- **CE, CUR, TUV** approved, **UL** recognised
- Supplied with 300mm lead
- Full range of fans, ac, dc, slimline and green
- Long life
- Stable operation
- Operating temperature range -10°C to +90°C
- Green range supplied with 3 wires

Voltage V dc	Power Watts	Air Flow cu. ft./min.	ltrs./sec.	Noise dBA@1m	Mftrs. List No.	Order Code
<b>AC - Slimline</b>						
220/240	14/13.5	20	9.4	32.25	SF23080AT/2082HBL.GN	960-6190
220/240	14/13.5	33.5	15.8	38.5	SF23092A/2092HBL.GN	960-6203
220/240	19/18	72	35.6	45	DP201AT/2122HBL.GN	960-6220
<b>AC - Low Cost</b>						
220/240	14/13.5	30	9.44	35	SF23080A/2083HSL.GN	960-6238
115	20/18	95	44.8	45.5	SP101A/1123HSL.GN	960-6246
220/240	20/19	95	44.8	47	DP201A/2123HSL.GN	960-6254
<b>DC - Slimline</b>						
5	0.9	4.9	2.31	29	GM0503PEV1-8.N.GN	960-6262
5	0.55	5.3	2.5	28	GM0504PEV2-8.GN	960-6270
<b>DC - Ultra Slimline</b>						
12	0.7	3.0	1.41	25	GM1203PFV2-8.GN	960-6289
12	0.8	4.5	2.12	21	GM1235PFV2-8.GN	960-6297
12	0.6	6.0	2.83	28.5	KDE1204PFV2.11.MS.A.GN	960-6300
<b>DC - Standard</b>						
12	0.9	6.8	3.2	29	KDE1204PKV2.MS.GN	960-6319
24	1.0	7	3.3	29	KDE2404PKV2.MS.A.GN	960-6327
12	1.1	19.3	9.09	31	KDE1206PTV2.13.MS.A.GN	960-6335
24	1.9	19.3	9.09	31	KDE2406PTV2.13.MS.A.GN	960-6343
12	2.1	39	18.37	32	KDE1208PTV2.13.MS.A.GN	960-6351
24	2.4	6.8	3.2	29	KDE2408PTV2.13.MS.A.GN	960-6360
12	2.0	44	20.7	33	KDE1209PTV2.13.MS.A.GN	960-6378
24	2.2	45	21.2	34	KDE2409PTV2.13.MS.A.GN	960-6386
12	3.6	80	37.7	41	KD1212PTB2-6A.GN	960-6394
24	4.1	80	37.7	41	KD2412PTB2-6A.GN	960-6408
12	6.8	108	50.9	42	KD1212PMB1-6A.GN	960-6416
24	5.5	98	46.2	36.5	KD2412PMB2-6A.GN	960-6424
<b>DC - Green</b>						
12	0.8	8.6	4.05	36	GM1204PFVX-AF.GN	960-6432
12	1.4	10.8	5.08	27.5	KDE1204PKVX.MS.AF.GN	960-6440
12	1.9	18	8.5	37	GM1205PHVX-AF.GN	960-6459
12	1.4	21	9.9	36	GM1206PHV1-AF.GN	960-6467
12	1.6	22	10.4	32	KDE1206PHV1.MS.AF.GN	960-6475
12	1.1	26.2	12.34	38	KDE1206PTVX.MS.AF.GN	960-6483

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Dimensions (mm)	Mftrs. List No.	Order Code	1+	5+	10+	25+
<b>AC - Slimline</b>						
80 x 80 x 25	SF23080AT/2082HBL.GN	960-6190	661.00	610.00	583.00	566.00
92 x 92 x 25	SF23092A/2092HBL.GN	960-6203	661.00	610.00	583.00	566.00
120 x 120 x 25	DP201AT/2122HBL.GN	960-6220	661.00	610.00	583.00	566.00
<b>AC - Low Cost</b>						
80 x 80 x 38	SF23080A/2083HSL.GN	960-6238	550.00	508.00	485.00	471.00
120 x 120 x 38	SP101A/1123HSL.GN	960-6246	550.00	508.00	485.00	471.00
120 x 120 x 38	DP201A/2123HSL.GN	960-6254	550.00	508.00	485.00	471.00
<b>DC - Slimline</b>						
30 x 30 x 6	GM0503PEV1-8.N.GN	960-6262	568.00	524.00	501.00	487.00
40 x 40 x 6	GM0504PEV2-8.GN	960-6270	568.00	524.00	501.00	487.00

Dimensions (mm)	Mftrs. List No.	Order Code	1+	5+	10+	25+
<b>DC - Ultra Slimline</b>						
30 x 30 x 10	GM1203PFV2-8.GN	960-6289	568.00	524.00	501.00	487.00
35 x 35 x 10	GM1235PFV2-8.GN	960-6297	568.00	524.00	501.00	487.00
40 x 40 x 10	KDE1204PFV2.11.MS.A.GN	960-6300	302.00	279.00	266.00	259.00
<b>DC - Standard</b>						
40 x 40 x 20	KDE1204PKV2.MS.GN	960-6319	352.00	325.00	310.00	302.00
40 x 40 x 20	KDE2404PKV2.MS.A.GN	960-6327	352.00	325.00	310.00	302.00
60 x 60 x 25	KDE1206PTV2.13.MS.A.GN	960-6335	352.00	325.00	310.00	302.00
60 x 60 x 25	KDE2406PTV2.13.MS.A.GN	960-6343	352.00	325.00	310.00	302.00
80 x 80 x 25	KDE1208PTV2.13.MS.A.GN	960-6351	302.00	279.00	266.00	259.00
80 x 80 x 25	KDE2408PTV2.13.MS.A.GN	960-6360	352.00	325.00	310.00	302.00
92 x 92 x 25	KDE1209PTV2.13.MS.A.GN	960-6378	302.00	279.00	266.00	259.00
92 x 92 x 25	KDE2409PTV2.13.MS.A.GN	960-6386	352.00	325.00	310.00	302.00
120 x 120 x 25	KD1212PTB2-6A.GN	960-6394	604.00	558.00	533.00	518.00
120 x 120 x 25	KD2412PTB2-6A.GN	960-6408	604.00	558.00	533.00	518.00
120 x 120 x 38	KD1212PMB1-6A.GN	960-6416	604.00	558.00	533.00	518.00
120 x 120 x 38	KD2412PMB2-6A.GN	960-6424	604.00	558.00	533.00	518.00
<b>DC - Green</b>						
40 x 40 x 10	GM1204PFVX-AF.GN	960-6432	302.00	279.00	267.00	259.00
40 x 40 x 20	KDE1204PKVX.MS.AF.GN	960-6440	331.00	306.00	292.00	284.00
60 x 60 x 15	GM1206PHV1-AF.GN	960-6467	331.00	306.00	292.00	284.00
60 x 60 x 20	KDE1206PHV1.MS.AF.GN	960-6475	331.00	306.00	292.00	284.00
60 x 60 x 25	KDE1206PTVX.MS.AF.GN	960-6483	331.00	306.00	292.00	284.00

**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

Dimensions (mm)	109-8888 & 109-8886	109-8889	109-8891 & 109-8890	109-8892 & 109-8892	109-8893 & 109-8894
Dimensions (H x W x D)	60 x 60 x 25.5	80 x 80 x 25.5	92 x 92 x 25.5	120 x 120 x 38	120 x 120 x 38
Fixing hole	4	4.5	4.5	4.5	4.5
Fixing centres	50 x 50	71.5 x 71.5	82.5 x 82.5	105 x 105	105 x 105

Voltage V dc	Power W	Air Flow cu.ft/min	l/s	Noise dB	Current mA	Speed rpm	Mftrs. List No.
12	1.86	19.1	8.66	32	155	4200	FBA06A12H1A
24	2.04	19.1	8.66	32	85	4200	FBA06A24H1A
12	2.08	39.6	17.74	32	173	2950	FBA08A12H1A
24	2.52	39.6	17.74	32	105	2950	FBA08A24H1A
12	2.7	56.8	25.71	35	225	2850	FBA09A12H1A
24	3.36	56.8	25.71	35	140	2850	FBA09A24H1A
12	2.16	68.9	31.17	30	180	1700	FBA12G12L1A
24	2.64	68.9	31.17	30	110	1700	FBA12G24L1A

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Mftrs. List No.	Order Code	1+	5+	10+	25+	+
FBA06A12H1A	109-8886	1,393.00	1,293.00	1,244.00	1,168.00	--
FBA06A24H1A	109-8888	1,393.00	1,293.00	1,244.00	1,168.00	--
FBA08A12H1A	109-8889	1,512.00	1,365.00	1,360.00	1,275.00	--
FBA08A24H1A	109-8890	1,512.00	1,365.00	1,360.00	1,275.00	--
FBA09A12H1A	109-8891	1,983.00	1,800.00	1,669.00	1,536.00	--
FBA09A24H1A	109-8892	1,983.00	1,800.00	1,669.00	1,536.00	--
FBA12G12L1A	109-8893	2,572.00	2,418.00	2,314.00	2,116.00	--
FBA12G24L1A	109-8894	2,572.00	2,418.00	2,314.00	2,116.00	--

**Axial Flow Fans - Low Voltage dc**

**Miniature, 'Ultraslim'**



25mm 30mm 35mm 40mm

- 25, 30, 35 and 40mm ultra slim fans
- Ideally suited for precision cooling
- Patented Single - coil brushless 8 pole motor design
- Locked rotor protection
- Low power consumption
- Fitted with precision ball bearings
- **TUV** approved, **UL** recognised

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Fans

Compliant Non-compliant Limited stock - RoHS replacement available

RoHS