

# SUNON Thin Cooling Fans (Cont.)

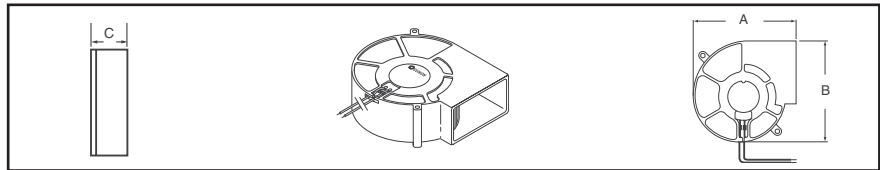
Dim. (mm) A x B	Voltage (VDC)	Operating Voltage (VDC)	Bearing Type	Current (A)	Input (W)	Speed (RPM)	Air Flow (CFM)	Static Pressure (@ 1" or 25.4mm – H2O)	Noise Pressure (dBA)	Sensor	Digi-Key Part No.	Price Each				Sunon Part No.		
												1	10	25	50			
40 x 20	12	5-13.8	Sleeve	0.07	0.8	6200	7.7	0.16	21	—	259-1280-ND	4.67	3.60	3.37	3.17	KD1204PKS2 H		
		4.5-13.8	Vapo	0.05	0.6	6200	7.7	0.16	21	—		259-1353-ND	6.20	5.18	4.86		4.57	KDE1204PKV2.MS.A.GN
40 x 28	12	6-13.8	Ball	0.72	8.6	15000	24	1.34	55.5	Tac	259-1370-ND	16.45	13.74	12.87	12.10	PMD1204P0B1-A(2).U.F.GN		
		6-13.8	Ball	0.72	8.6	15000	24	1.34	55.5	—		259-1371-ND	15.39	12.86	12.04		11.32	PMD1204P0B1-A(2).U.F.GN
		6-13.8	Ball	0.57	6.8	13000	23.5	1.15	51.5	Tac		259-1372-ND	21.90	18.29	17.13		16.11	PMD1204P0B1-A(2).F.GN
40 x 56	12	6-13.8	Ball	1.4	16.8	14500	26.5	1.73	59	—	259-1369-ND	32.29	26.96	25.25	23.75	PMD1204PPB1-A(2).GN		
		3.5-6	Ball	0.21	1.0	7000	9.5	0.16	32	—		259-1287-ND	8.61	6.17	5.87		5.46	KD0545PFB1 OC
		4-6	Vapo	0.25	1.3	6000	11	0.17	32	—		259-1347-ND	5.36	4.48	4.19		3.94	KDE0545PV1.11.MS.A.GN
		4-6	Vapo	0.15	0.8	5000	9.2	0.12	27	—		259-1348-ND	5.36	4.48	4.19		3.94	KDE0545PV2.11.MS.A.GN
		4.5-13.8	Vapo	0.16	0.9	7100	12.5	0.22	35	—		259-1362-ND	4.84	4.05	3.79		3.56	KDE1245PFVX.11.MS.A.GN
		4.5-13.8	Vapo	0.10	1.2	6000	11	0.17	32	—		259-1360-ND	4.84	4.05	3.79		3.56	KDE1245PFV1.11.MS.A.GN
		4.5-13.8	Vapo	0.08	1.0	5000	9.2	0.12	27	—		259-1361-ND	4.84	4.05	3.79		3.56	KDE1245PFV2.11.MS.A.GN
50 x 10	5	4-6	Ball	0.17	0.9	5400	10.2	0.11	31.5	—	259-1281-ND	8.80	6.31	6.00	5.58	KDE0505PFB1-8		
		4-6	Vapo	0.27	1.4	5200	13	0.14	30	—		259-1344-ND	5.36	4.48	4.19		3.94	KDE0505PV1.11.MS.A.GN
		4-6	Vapo	0.16	0.8	4300	11	0.11	26	—		259-1345-ND	6.11	5.11	4.78		4.50	KDE0505PV2.11.MS.A.GN
		4-6	Sleeve	0.13	0.6	4300	8	0.09	29	—		259-1259-ND	7.27	5.13	4.80		4.51	KDE0505PFS2-8
	12	4.5-13.8	Vapo	0.17	2.0	6100	15.2	0.18	35	—	259-1356-ND	4.84	4.05	3.79	3.56	KDE1205PFVX.11.MS.A.GN		
		4.5-13.8	Vapo	0.11	1.3	5200	13	0.14	30	—		259-1354-ND	6.11	5.11	4.78		4.50	KDE1205PFV1.11.MS.A.GN
		5-13.8	Ball	0.10	1.2	5000	9.5	0.10	28.9	—		259-1201-ND	7.73	5.54	5.27		4.91	KD1205PFB2 H
12	6-13.8	Vapo	0.09	1.1	4300	11	0.11	26	—	259-1355-ND	5.57	4.65	4.36	4.10	KDE1205PFV2.11.MS.A.GN			
	5-13.8	Ball	0.07	0.8	4200	8.0	0.08	24.3	—		259-1194-ND	7.34	5.24	4.99		4.65	KD1205PFB3 H	
	5-13.8	Ball	0.15	0.8	4700	13	0.17	29	—		259-1346-ND	6.11	5.11	4.78		4.50	KDE0505PHV2.MS.A.GN	
50 x 15	5	3.5-6	Vapo	0.15	0.8	4700	13	0.17	29	—	259-1357-ND	4.56	3.81	3.57	3.36	KDE1205PHV2.MS.A.GN		
	12	6-13.8	Vapo	0.07	0.8	4700	13	0.17	29	—		259-1393-ND	9.07	7.58	7.10		6.68	GB1205PHV3-BAY.GN
52 x 15	5	4-6	Ball	0.38	1.9	5300	12.7	0.16	27.8	—	259-1161-ND	9.39	6.93	6.59	6.14	KDE0505PHB2		
60 x 15	12	5-13.8	Ball	0.15	1.8	4300	21	0.18	37.5	—	259-1282-ND	7.22	5.56	5.20	4.90	KD1206PHB1 H		
60 x 15	12	6-13.8	Ball	0.154	1.9	4300	21	0.18	37	Tac	259-1336-ND	8.08	6.75	6.33	5.95	KD1206PHB1.(2).F.GN		
		6-13.8	Ball	0.154	1.9	4300	21	0.18	37	—		259-1337-ND	9.92	8.28	7.76		7.30	KD1206PHB1.(2).GN
60 x 25	12	4.5-13.8	Vapo	0.14	1.7	4500	23.5	0.21	33.5	—	259-1358-ND	6.77	5.66	5.30	4.98	KDE1206PTV1.MS.A.GN		
		5-13.8	Ball	0.12	1.4	4500	23.5	0.24	33	Tac		259-1338-ND	8.88	7.42	6.95		6.54	KD1206PTB1.13(2).F.GN
		5-13.8	Ball	0.12	1.4	4500	23.5	0.24	33	—		259-1339-ND	7.83	6.54	6.12		5.76	KD1206PTB1.13(2).GN
		5-13.8	Ball	0.17	2.0	4300	22.5	0.20	34	—		259-1284-ND	7.09	5.46	5.11		4.81	KD1206PTB1 H
		5-13.8	Sleeve	0.16	1.9	4300	22.5	0.20	33.5	—		259-1286-ND	4.54	3.50	3.28		3.08	KD1206PTS1 H
60 x 38	12	6-13.8	Ball	0.88	10.6	8000	56.5	0.92	56	—	259-1373-ND	18.49	15.45	14.47	13.60	PMD1206PMB1-A(2).GN		
80 x 15	12	5-13.8	Ball	0.24	2.9	3300	35	0.17	39.5	—	259-1273-ND	9.95	7.66	7.17	6.74	KD1208PHB1-A H		
		5-13.8	Ball	0.24	2.9	3300	35	0.17	39.5	Tac		259-1274-ND	10.33	7.95	7.45		7.00	KD1208PHB1-A H.F
80 x 25	24	8-27.6	Ball	0.065	1.6	3100	41	0.19	35	—	259-1340-ND	8.32	6.95	6.51	6.12	KD2408PTB1.13(2).GN		
80 x 38	12	10.2-13.8	Ball	0.76	9.1	5700	84.1	0.74	55.2	—	259-1276-ND	20.02	15.41	14.43	13.57	PMD1208PMB1-A (2)		
		6-13.8	Ball	0.76	9.1	5700	84.1	0.74	55.2	—		259-1374-ND	20.35	17.00	15.92		14.97	PMD1208PMB1-A(2).GN
92 x 25	12	5-13.8	Vapo	0.16	1.9	2800	49	0.16	34	—	259-1359-ND	6.20	5.18	4.86	4.57	KDE1209PTV1.13.MS.A.GN		
120 x 38	12	6-13.8	Ball	1.6	19.2	4200	190	0.65	54	—	259-1376-ND	27.59	23.04	21.58	20.29	PMD1212PMB1-A(2).GN		
		6-13.8	Ball	1.6	19.2	4200	190	0.65	54	Tac		259-1375-ND	27.17	22.69	21.25		19.98	PMD1212PMB1-A(2).F.GN
		10.2-13.8	Ball	1.7	21	4000	190	0.72	63	—		259-1262-ND	27.57	21.22	19.87		18.68	PSD1212PMB1 (2)
		6-13.8	Ball	0.83	10	3400	153	0.43	48	Tac		259-1377-ND	25.57	21.35	20.00		18.81	PMD1212PMB3-A(2).F.GN
		10.2-13.8	Ball	0.63	7.6	3150	120	0.34	46.5	Tac		259-1261-ND	18.44	14.19	13.29		12.50	KD1212PMB3-A(2).F
		24-56	Ball	0.4	19.2	4200	190	0.65	54	—		259-1378-ND	26.23	21.90	20.51		19.29	PMD4812PMB1-A(2).GN
	20-55	Ball	0.19	9.1	3000	136	0.30	47	—	259-1264-ND	16.52	12.72	11.91	11.20	KD4812PMB1-6A			

† RoHS Compliant Δ Frequency Generator \*Please Note: Custom Fan Cable Assemblies available upon request.

## Blowers

### Blower Features

- Exceptional cooling performance, radiating blower with one directional exhaust
- Low noise via highly efficient fan blade design
- Low power consumption and high motor efficiency through radial gap type motor design
- Operating Temperature: 0°C - 70°C (blowers)



Dim. (mm) A x B x C	Voltage (VDC)	Operating Voltage (VDC)	Bearing Type	Current (A)	Input (W)	Speed (RPM)	Air Flow (CFM)	Static Pressure (@ 1" or 25.4mm – H2O)	Noise Pressure (dBA)	Sensor	Digi-Key Part No.	Price Each				Sunon Part No.		
												1	10	25	50			
<b>Ultra-Thin Miniature Brushless DC Blowers</b>																		
35 x 35 x 4.8	5	4-6	Ball	0.160	0.80	9500	1.20	0.33	30.0	—	259-1087-ND	17.47	14.23	13.33	12.53	GB0535ACB1-8 OC		
				0.070	0.35	7500	0.95	0.22	24.0	—		259-1088-ND	17.47	14.23	13.33		12.53	GB0535ACB2-8 OC
35 x 35 x 6	5	4-6	Ball	0.120	0.60	8500	1.40	0.32	31.0	—	259-1089-ND	17.47	14.23	13.33	12.53	GB0535AEB1-8 OC		
				0.080	0.40	7000	1.15	0.22	25.0	—		259-1090-ND	17.47	14.23	13.33		12.53	GB0535AEB2-8 OC
35 x 35 x 7	5	4-6	Ball	0.120	0.60	8000	1.60	0.31	33.0	—	259-1091-ND	17.47	14.23	13.33	12.53	GB0535ADB1-8 OC		
				0.080	0.40	6500	1.30	0.22	25.0	—		259-1092-ND	17.47	14.23	13.33		12.53	GB0535ADB2-8 OC
<b>Thin Miniature Brushless DC Blowers</b>																		
25 x 25 x 10	5	4-6	Ball	0.125	0.60	10000	0.70	0.23	24.0	—	259-1165-ND	13.55	10.18	9.52	8.94	B0502PFB2-8(MS)		
				0.125	0.60	10000	0.70	0.23	24.0	—		259-1167-ND	13.75	10.31	9.80		9.13	B0502AFB2-8(MS)
				0.200	0.90	7000	0.90	0.37	25.0	—		259-1166-ND	13.75	10.31	9.80		9.13	B0502AFB1-8(MS)
30 x 30 x 10	5	4-6	Ball	0.125	0.65	8000	1.00	0.27	20.5	—	259-1168-ND	13.55	10.18	9.52	8.94	B0503PFB2-8(MS)		
				0.125	0.65	8000	1.00	0.27	20.5	—		259-1170-ND	13.75	10.31	9.80		9.13	B0503AFB2-8(MS)
				0.220	0.95	7000	1.20	0.38	22.5	—		259-1169-ND	13.75	10.31	9.80		9.13	B0503AFB1-8(MS)
40 x 40 x 9	5	3-6	Vapo	0.060	0.30	6500	1.80	0.30	30.0	—	259-1289-ND	15.72	11.81	11.05	10.38	GB0504AFV1-8		
45 x 45 x 9	5	3-6	Vapo	0.070	0.35	5500	2.20	0.26	29.0	—	259-1290-ND	15.72	11.81	11.05	10.38	GB0545AFV1-8		

† RoHS Compliant \* Plastic Housing (Fan Blades - PBT 94V-O) † Aluminum Housing (Fan Blades - PBT 94V-O) Please Note: Custom Fan Cable Assemblies available upon request.

(Continued)

More Product Available Online: [www.digikey.com](http://www.digikey.com)

1900 (T071)

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380