



SUNON

DC Brushless **FAN**

Traditional
Motor Series





SHINON Traditional Motor Series

Voltage : 5 ~ 48V

Size(mm)	Model	★	Volt.	WATTS	RPM	CFM	Inch H ₂ O	dBA	
40x40x10	KD0504PFS1	OC	⊙ 5VDC	1.0	7000	7.0	0.16	27	
	KD0504PFS2	OC	⊙ 5VDC	0.9	5500	4.9	0.11	25	
	KD0504PFS3	OC	⊙ 5VDC	0.5	4200	4.5	0.09	22.8	
	KD0504PFB1	OC	○ 5VDC	1.0	7500	7.5	0.17	28	
	KD0504PFB2	OC	○ 5VDC	0.9	6500	6.5	0.15	26	
	KD0504PFB3	OC	○ 5VDC	0.5	5200	4.6	0.105	23.5	
	KD1204PFS1	H	⊙ 12VDC	1.4	7400	7.3	0.17	30.3	
	KD1204PFS2	H	⊙ 12VDC	1.1	5500	4.9	0.11	25	
	KD1204PFS3	H	⊙ 12VDC	0.7	4200	4.2	0.08	22	
	KD1204PFB1	H	○ 12VDC	1.4	8400	8.3	0.19	34.4	
	KD1204PFB2	H	○ 12VDC	1.1	6600	6.5	0.15	27	
	KD1204PFB3	H	○ 12VDC	0.6	5200	4.7	0.10	24	
	KD2404PFB2-8		○ 24VDC	0.7	6300	6.0	0.13	24	
	40x40x20	KD0504PKS2		⊙ 5VDC	1.0	6000	6.5	0.12	25.5
		KD0504PKS3		⊙ 5VDC	0.7	4500	5.2	0.08	22.8
		KD0504PKB2		○ 5VDC	1.0	6500	7.0	0.16	29
		KD0504PKB3		○ 5VDC	0.7	5300	6.2	0.12	24
		KD1204PKS1	H	⊙ 12VDC	1.2	7200	8.9	0.21	25.5
KD1204PKS2		H	⊙ 12VDC	0.8	6200	7.7	0.16	21	
KD1204PKS3		H	⊙ 12VDC	0.7	5200	6.3	0.11	18	
KD1204PKB1		H	○ 12VDC	1.2	7400	9.1	0.22	27	
KD1204PKB2		H	○ 12VDC	0.8	6500	8.0	0.17	22.5	
KD1204PKB3		H	○ 12VDC	0.6	5400	6.5	0.12	19	
KD2404PKS2			⊙ 24VDC	1.2	6000	6.5	0.12	25.5	
KD2404PKS3			⊙ 24VDC	0.8	4500	5.2	0.08	22.8	
KD2404PKB2			○ 24VDC	1.0	6500	7.0	0.16	29	
KD2404PKB3			○ 24VDC	0.7	5000	6.0	0.11	24	
KD2404PKB2 (2)		(2)	⊙ 24VDC	1.0	6800	7.5	0.165	30	
KD2404PKB3 (2)		(2)	⊙ 24VDC	0.7	4700	5.6	0.10	22.5	
45x45x10		KD0545PFS1	OC	⊙ 5VDC	1.0	6000	8.0	0.14	28.5
		KD0545PFS2	OC	⊙ 5VDC	0.9	5000	6.8	0.10	27
	KD0545PFS3	OC	⊙ 5VDC	0.6	4000	5.5	0.07	23	
	KD0545PFB1	OC	○ 5VDC	1.0	7000	9.5	0.16	32	
	KD0545PFB2	OC	○ 5VDC	0.9	5900	8.0	0.13	29	
	KD0545PFB3	OC	○ 5VDC	0.6	4500	6.2	0.10	26	
	KD1245PFS1	H	⊙ 12VDC	1.4	6600	8.8	0.15	31.4	
	KD1245PFS2	H	⊙ 12VDC	1.2	5300	7.1	0.12	25.2	
	KD1245PFS3	H	⊙ 12VDC	0.8	3900	5.2	0.09	22	
	KD1245PFB1	H	○ 12VDC	1.4	7100	9.5	0.16	33.8	
	KD1245PFB2	H	○ 12VDC	1.1	5900	8.0	0.13	29	
	KD1245PFB3	H	○ 12VDC	0.7	4400	6.1	0.10	23	
	50x50x10	KD0505PFS1	OC	⊙ 5VDC	1.1	5100	9.6	0.105	30.5
		KD0505PFS2	OC	⊙ 5VDC	0.9	4300	8.0	0.09	29
		KD0505PFS3	OC	⊙ 5VDC	0.6	3500	7.0	0.065	21
		KD0505PFB1	OC	○ 5VDC	1.1	5400	10.2	0.11	31.5
KD0505PFB2		OC	○ 5VDC	0.9	4700	9.2	0.10	30	
KD0505PFB3		OC	○ 5VDC	0.6	3800	7.2	0.07	22	
KD1205PFS1		H	⊙ 12VDC	1.6	5600	10.6	0.11	32.4	
KD1205PFS2		H	⊙ 12VDC	1.1	4500	8.5	0.09	26	
KD1205PFS3		H	⊙ 12VDC	0.8	3700	7.0	0.07	21.4	
KD1205PFB1		H	○ 12VDC	1.6	6000	11.4	0.12	34.7	
KD1205PFB2		H	○ 12VDC	1.2	5000	9.5	0.10	28.9	
KD1205PFB3		H	○ 12VDC	0.8	4200	8.0	0.08	24.3	
KD1205PFS1		H.G	⊙ 12VDC	1.4	6500	12.5	0.19	35	
KD1205PFS2		H.G	⊙ 12VDC	1.0	5500	10.6	0.15	30	
KD1205PFS3		H.G	⊙ 12VDC	0.7	4500	8.5	0.10	25	
KD1205PFB1		H.G	○ 12VDC	1.4	6500	12.5	0.19	36	
KD1205PFB2		H.G	○ 12VDC	1.0	5500	10.6	0.15	31.5	
KD1205PFB3		H.G	○ 12VDC	0.7	4500	8.5	0.10	26	
KD2405PFS1-8			⊙ 24VDC	1.0	5400	10.2	0.11	31.5	
KD2405PFB1-8			○ 24VDC	1.0	5100	9.0	0.10	30	

Size(mm)	Model	★	Volt.	WATTS	RPM	CFM	Inch H ₂ O	dBA
50x50x15	KD1205PHS1	H	⊙ 12VDC	1.5	5800	17.0	0.23	33
	KD1205PHS2	H	⊙ 12VDC	1.0	4700	13.0	0.17	29
	KD1205PHS3	H	⊙ 12VDC	0.7	3700	10.2	0.12	22
	KD1205PHB1	H	○ 12VDC	1.5	5800	17.0	0.23	34
	KD1205PHB2	H	○ 12VDC	1.0	4700	13.0	0.17	29.5
	KD1205PHB3	H	○ 12VDC	0.7	3700	10.2	0.12	22.5
52x52x15	KD0505PHS2		⊙ 5VDC	1.9	5000	12.4	0.14	27
	KD0505PHS3		⊙ 5VDC	1.2	4000	7.6	0.12	24
	KD0505PHB2		○ 5VDC	1.9	5300	12.7	0.16	27.8
	KD0505PHB3		○ 5VDC	1.2	4300	8.5	0.14	25.4
	KD1205PHS2		⊙ 12VDC	1.7	5000	12.4	0.14	27
	KD1205PHS3		⊙ 12VDC	0.9	4000	7.6	0.12	24
	KD1205PHB2		○ 12VDC	1.7	5300	12.7	0.16	27.8
	KD1205PHB3		○ 12VDC	0.9	4300	8.5	0.14	25.4
	KD2405PHS2		⊙ 24VDC	1.9	5000	12.4	0.14	27
	KD2405PHS3		⊙ 24VDC	1.2	4000	7.6	0.12	24
	KD2405PHB2		○ 24VDC	1.9	5300	12.7	0.16	27.8
	KD2405PHB3		○ 24VDC	1.2	4300	8.5	0.14	25.4
55x55x10	KD1255PFS1	H.G	⊙ 12VDC	1.4	5700	15.0	0.16	36
	KD1255PFS2	H.G	⊙ 12VDC	1.0	4700	13.0	0.12	30
	KD1255PFS3	H.G	⊙ 12VDC	0.7	4000	10.2	0.08	26
	KD1255PFB1	H.G	○ 12VDC	1.4	5700	15.0	0.16	36.5
	KD1255PFB2	H.G	○ 12VDC	1.0	4700	13.0	0.12	30.5
	KD1255PFB3	H.G	○ 12VDC	0.7	4000	10.2	0.08	27
60x60x10	KD1206PFS1	H.G	⊙ 12VDC	1.4	5200	16.5	0.17	35
	KD1206PFS2	H.G	⊙ 12VDC	1.0	4300	14.0	0.12	34.5
	KD1206PFS3	H.G	⊙ 12VDC	0.8	3600	11.3	0.07	28.5
	KD1206PFB1	H.G	○ 12VDC	1.4	5200	16.5	0.17	36
	KD1206PFB2	H.G	○ 12VDC	1.0	4300	14.0	0.12	35
	KD1206PFB3	H.G	○ 12VDC	0.8	3600	11.3	0.07	29
60x60x15	KD0506PHS2		⊙ 5VDC	1.9	4000	17.8	0.135	31
	KD0506PHS3		⊙ 5VDC	1.2	3300	14.8	0.11	26
	KD0506PHB2		○ 5VDC	1.9	4200	18.5	0.15	31.5
	KD0506PHB3		○ 5VDC	1.2	3500	15.2	0.13	26.5
	KD1206PHS1	H	⊙ 12VDC	1.8	4300	21.0	0.18	36
	KD1206PHS2	H	⊙ 12VDC	1.1	3800	18.0	0.14	31
	KD1206PHS3	H	⊙ 12VDC	0.7	3000	15.0	0.12	25
	KD1206PHB1	H	○ 12VDC	1.8	4300	21.0	0.18	37.5
	KD1206PHB2	H	○ 12VDC	1.1	3800	18.0	0.14	31.5
	KD1206PHB3	H	○ 12VDC	0.7	3000	15.0	0.12	26
	60x60x20	KD1206PKS1	H	⊙ 12VDC	1.8	4300	22.0	0.17
KD1206PKS2		H	⊙ 12VDC	1.1	3600	18.5	0.14	27.5
KD1206PKS3		H	⊙ 12VDC	0.8	3200	15.0	0.10	25
KD1206PKB1		H	○ 12VDC	1.8	4300	22.0	0.17	32.5
KD1206PKB2		H	○ 12VDC	1.1	3600	18.5	0.14	28
KD1206PKB3		H	○ 12VDC	0.8	3200	15.0	0.10	26
KD1206PKB1 (2).H		(2).H	⊙ 12VDC	1.8	4300	22	0.17	32.5
KD2406PKS2			⊙ 24VDC	1.7	4200	16.5	0.13	31
KD2406PKB2			○ 24VDC	1.7	4200	16.5	0.13	31
KD2406PKB3			○ 24VDC	1.2	3500	16	0.13	27

★: Bearing System / ⊙ Sleeve Bearing / ○ One Ball Bearing / ● Two Ball Bearing
*Specifications subject to change without notice



Size(mm)	Model	★ Volt.	WATTS	RPM	CFM	Inch H ₂ O	dBA	
60x60x25	KD0506PTS2	⊙ 5VDC	1.7	3800	17.6	0.15	31	
	KD0506PTS3	⊙ 5VDC	1.2	3300	15.9	0.10	26.7	
	KD0506PTB2	○ 5VDC	1.7	4000	18.0	0.16	31.3	
	KD0506PTB3	○ 5VDC	1.2	3600	16.2	0.11	27	
	KD1206PTS1	H ⊙ 12VDC	1.9	4300	22.5	0.20	33.5	
	KD1206PTS2	H ⊙ 12VDC	1.3	3700	18.0	0.15	29	
	KD1206PTS3	H ⊙ 12VDC	0.8	3100	16.0	0.10	25	
	KD1206PTB1	H ○ 12VDC	2.0	4300	22.5	0.20	34	
	KD1206PTB2	H ○ 12VDC	1.3	3700	18.0	0.15	30	
	KD1206PTB3	H ○ 12VDC	0.8	3100	16.0	0.10	26	
	KD2406PTS1	V ⊙ 24VDC	2.6	4300	22.5	0.20	33.5	
	KD2406PTS2	V ⊙ 24VDC	1.9	3700	18.0	0.15	29	
	KD2406PTS3	V ⊙ 24VDC	1.4	3100	16.0	0.10	25	
	KD2406PTB1	V ○ 24VDC	2.6	4300	23.5	0.22	34	
	KD2406PTB2	V ○ 24VDC	1.9	3800	19.0	0.16	31	
	KD2406PTB3	V ○ 24VDC	1.4	3100	16.8	0.11	27	
	KD2406PTB1 (2).V	⊕ 24VDC	2.6	4500	23.5	0.22	34	
	KD2406PTB2 (2).V	⊕ 24VDC	1.9	4000	19.0	0.16	31	
	80x80x15	KD1208PHS1	H ⊙ 12VDC	3.1	3200	34.0	0.16	37.5
		KD1208PHS2	H ⊙ 12VDC	2.3	2800	30.0	0.12	34
KD1208PHS3		H ⊙ 12VDC	1.6	2400	25.0	0.10	31.5	
KD1208PHB1		H ○ 12VDC	3.1	3300	35.0	0.17	39.5	
KD1208PHB2		H ○ 12VDC	2.3	2900	31.0	0.13	36	
KD1208PHB3		H ○ 12VDC	1.6	2500	25.5	0.10	32	
80x80x20		KD1208PKS1	H ⊙ 12VDC	2.2	3000	37.0	0.17	34.5
		KD1208PKS2	H ⊙ 12VDC	1.8	2700	33.2	0.15	31.3
	KD1208PKS3	H ⊙ 12VDC	1.3	2300	28.3	0.11	26.5	
	KD1208PKB1 (2).H	⊕ 12VDC	2.0	3200	38.5	0.18	37.5	
	KD1208PKB2 (2).H	⊕ 12VDC	1.7	2900	37.0	0.17	35	
	KD1208PKB3 (2).H	⊕ 12VDC	1.3	2600	31.0	0.14	31.5	
	80x80x25	KD1208PTS1	H ⊙ 12VDC	2.4	2850	37.5	0.17	32.5
KD1208PTS2		H ⊙ 12VDC	2.3	2700	36.5	0.16	30	
KD1208PTS3		H ⊙ 12VDC	1.4	2300	31.0	0.12	25	
KD1208PTS4		H ⊙ 12VDC	1.0	1500	21.0	0.06	18	
KD1208PTB1 (2).H		⊕ 12VDC	2.3	3000	39.5	0.18	33	
KD1208PTB2 (2).H		⊕ 12VDC	2.1	2900	39.0	0.17	32	
KD1208PTB3 (2).H		⊕ 12VDC	1.4	2500	33.1	0.13	28	
KD2408PTS1-6A		⊕ 24VDC	2.6	3000	41.7	0.18	34	
KD2408PTS2-6A		⊕ 24VDC	1.9	2650	34.4	0.16	30	
KD2408PTS3-6A		⊕ 24VDC	1.5	2200	29.4	0.11	24.5	
KD2408PTB1-6A		⊕ 24VDC	2.6	3200	42.5	0.23	36.5	
KD2408PTB2-6A		⊕ 24VDC	1.9	2800	35.0	0.20	32.5	
KD2408PTB3-6A		⊕ 24VDC	1.5	2500	30.0	0.14	28.5	
92x92x25		KD1209PTS1	H ⊙ 12VDC	2.6	2500	45.5	0.14	33
		KD1209PTS2	H ⊙ 12VDC	2.5	2400	44.0	0.14	32
		KD1209PTS3	H ⊙ 12VDC	1.7	2100	39.0	0.11	28
		KD1209PTB1 (2).H	⊕ 12VDC	2.5	2700	49.0	0.17	34.5
	KD1209PTB2 (2).H	⊕ 12VDC	2.4	2600	48.5	0.16	33	
	KD1209PTB3 (2).H	⊕ 12VDC	1.6	2300	41.0	0.12	30	
	KD2409PTS1-6A	⊕ 24VDC	3.4	2800	50.0	0.17	35	
	KD2409PTS2-6A	⊕ 24VDC	2.2	2500	44.0	0.15	33	
	KD2409PTS3-6A	⊕ 24VDC	1.7	2100	39.0	0.11	27	
	KD2409PTB1-6A	⊕ 24VDC	3.4	3000	51.0	0.20	37	
	KD2409PTB2-6A	⊕ 24VDC	2.2	2600	45.0	0.18	34	
	KD2409PTB3-6A	⊕ 24VDC	1.7	2300	40.0	0.13	28	

Size(mm)	Model	★ Volt.	WATTS	RPM	CFM	Inch H ₂ O	dBA	
120x120x25	KD1212PTS1-6A	⊙ 12VDC	4.8	3000	88	0.27	44	
	KD1212PTS2-6A	⊙ 12VDC	3.6	2700	78	0.21	40	
	KD1212PTS3-6A	⊙ 12VDC	2.4	2300	67	0.16	35	
	KD1212PTB1-6A	⊕ 12VDC	4.8	3100	90	0.28	44.5	
	KD1212PTB2-6A	⊕ 12VDC	3.6	2800	80	0.22	41	
	KD1212PTB3-6A	⊕ 12VDC	2.4	2400	69	0.17	35.5	
	KD2412PTS1-6A	⊕ 24VDC	5.3	3000	88	0.27	44	
	KD2412PTS2-6A	⊕ 24VDC	4.1	2700	78	0.21	40	
	KD2412PTS3-6A	⊕ 24VDC	3.1	2300	67	0.16	35	
	KD2412PTB1-6A	⊕ 24VDC	5.3	3100	90	0.28	44.5	
	KD2412PTB2-6A	⊕ 24VDC	4.1	2800	80	0.22	41	
	KD2412PTB3-6A	⊕ 24VDC	3.1	2400	69	0.17	35.5	
	120x120x38	KD1212PMSX-6A	⊙ 12VDC	7.6	3100	119	0.32	45
		KD1212PMS1-6A	⊙ 12VDC	6.8	3000	107	0.30	41
		KD1212PMS2-6A	⊙ 12VDC	5.1	2700	97	0.24	36
KD1212PMS3-6A		⊙ 12VDC	3.2	2300	83	0.18	34	
KD1212PMBX-6A		⊕ 12VDC	7.6	3150	120	0.34	46.5	
KD1212PMB1-6A		⊕ 12VDC	6.8	3100	108	0.31	42	
KD1212PMB2-6A		⊕ 12VDC	5.1	2800	98	0.25	36.5	
KD1212PMB3-6A		⊕ 12VDC	3.2	2400	84	0.19	35	
KD2412PMSX-6A		⊕ 24VDC	7.2	3100	119	0.32	45	
KD2412PMS1-6A		⊕ 24VDC	6.7	3000	107	0.30	41	
KD2412PMS2-6A		⊕ 24VDC	5.5	2700	97	0.24	36	
KD2412PMS3-6A		⊕ 24VDC	4.0	2300	83	0.18	34	
KD2412PMBX-6A		⊕ 24VDC	7.2	3150	120	0.34	46.5	
KD2412PMB1-6A		⊕ 24VDC	6.7	3100	108	0.31	42	
KD2412PMB2-6A		⊕ 24VDC	5.5	2800	98	0.25	36.5	
KD2412PMB3-6A		⊕ 24VDC	4.0	2400	84	0.19	35	
KD4812PMS1-6A		⊕ 48VDC	9.1	2900	132.5	0.29	46	
KD4812PMS2-6A		⊕ 48VDC	7.7	2700	124	0.26	43.5	
KD4812PMS3-6A	⊕ 48VDC	4.8	2300	106.5	0.19	40		
KD4812PMB1-6A	⊕ 48VDC	9.1	3000	136	0.30	47		
KD4812PMB2-6A	⊕ 48VDC	7.7	2800	127	0.28	44		
KD4812PMB3-6A	⊕ 48VDC	4.8	2400	107	0.20	41		

★: Bearing System: ⊙ Sleeve Bearing / ○ One Ball Bearing / ⊕ Two Ball Bearing
 *Specifications subject to change without notice

U.S. Patent Numbers

4,787,863	4,987,331	5,093,599	5,245,236
5,492,458	5,522,700	5,584,339	5,582,506
5,690,468	5,699,854	5,734,553	5,740,017
398,393	398,392	399,946	398,977
396,276	398,393	398,392	398,977
398,978	400,665	401,686	5,873,406
5,967,763	5,959,377	5,988,995	5,997,183
6,021,043	6,050,785	6,114,785	6,097,120
6,109,890	5,297,929	5,666,011	396,276
398,978	399,946	408,514	418,216
6,109,892			