

ADDA DC Brushless Fans

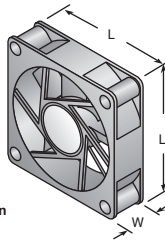
DC BRUSHLESS FANS

Specifications:

- Frame housing and impeller; black PBT per UL94V-0, glass-filled
- Operating temperature: -10°C ~75°C
- Life expectancy: 50,000 hours min. @ 25°C, relative humidity by 65%
- Lead wire termination
- Storage temperature: -40°C to 75°C
- Motor protection and polarity protection
- AD0312HB-G50(S) - one ball, one sleeve
- AD0412HB-C56 - third wire speed sensor (tachometer)
- AD0605LB-A72GL - third wire alarm

Features:

- All products are tested to stringent 6-Sigma quality in addition to statistical process control
- ADDA also performs periodic audits on each product to ensure the best quality control



The FPC (Fan Performance Curve) is measured from the air chamber. The SRC (imaginary System Resistance Curve) must also be measured in the air chamber as it pertains to each application. The intersection of the FPC and SRC is the operating point (OP). Qb and Pb meet the requirement characteristics of the application.

MODEL NUMBERING SCHEME

AD	06	12	H	X	-	A	7	3	GL
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Fan type: GL=Low noise; GP=Great performance; Blank=Standard

Motor protective circuit & Third Lead Wire:

0=by impedance; 3=by IC with speed sensor; 7=low speed; A=VS+RD; 1=by IC; 4=by IC with variable speed sensor(VS); 8=VS+FG; B=PWM+FG; 2=by IC with alarm (RD); 6=by transistor with speed sensor(FG); 9=PWM control; C=RD+FG

DC Impeller number: 5=5 blades; 7=7 blades; 9=9 blades; 11=11 blades; B=13 blades; C=15 blades;

AC Lead wire type: T=Terminal; W=Wires

DC: Thickness: A=25mm; B=28mm; C=20mm; D=15mm; E=12mm; F=38mm; G=10mm; J=8mm; L=14mm; H=13mm; P=50mm; K=6mm; Q=7mm; R=9mm; T=11mm; Y=32mm; Z=33mm; S=16mm; M=23mm; N=18mm

AC: Frame material: A=Aluminum alloy; P=Plastic

Bearing type: X=HYPRO bearing; B= BALL bearing; S=SLEEVE bearing; F=FDB

Speed: D=Ultra Low; L=Low; M=Medium; H=High; U=Ultra high; X=Over Ultra high; V=Maximum high speed

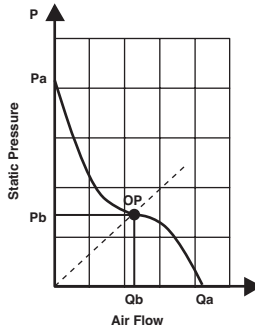
DC Voltage: 03=3VDC; 05=5VDC; 12=12VDC; 24=24VDC; 48=48VDC AC Voltage: 1=110-120VAC (115VAC); 2=220-240VAC (230VAC)

DC Frame size: 15=15mm; 20=20mm; 02=25mm; 03=30mm; 35=35mm; 04=40mm; 45=45mm; 05=50mm; 06=60mm; 07=70mm; 08=80mm; 09=92mm; 12=120mm; 17=172mm

AC Frame size: 825=80x80x25mm; 836=80x80x38mm; 925=92x92x25mm; 125=120x120x25mm; 128=120x120x38mm; 178=172x150x38mm; 175=172x150x10mm; 172=172x50mm

AD=Adda Brushless DC fan; AB=Adda Brushless DC Blower; AP=Adda Brushless Chip cooler AQ=Adda Brushless waterproof fan; AW=Adda CPU cooler; AA=Adda Brushless AC fan

Fan Performance Curve



Ball Bearing Type

(T) = wire is at 12 o'clock position

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADDA Part Number GL = Low Noise	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dBA)	Price Each			
								1	10	25	50
664-D2506MB-12VLF	AD0212MB-K50(S)-LF	25x6	12	0.84	12000	2.20	26.0	18.95	18.49	17.66	16.45
664-D2510LB-5VLF	AD0205LB-G50GL-LF	25x10	5	0.50	8000	1.80	15.6	16.18	15.33	14.48	14.06
664-D3010LB-12VLF	AD0312LB-G50-LF	30x10	12	0.72	8000	2.10	20.2	14.95	14.30	13.65	13.00
664-AD0312HBG50(S)LF	AD0312HB-G50(S)-LF	30x10	12	1.32	10500	4.20	30.7	14.95	14.30	13.65	13.00
664-D3506LB-12VLF	AD3512LB-K70(S)-LF	35x6	12	0.60	6500	3.50	19.0	17.50	16.63	15.61	14.63
664-D4010MB12V-LF	AD0412MB-G70-LF	40x10	12	0.96	4800	5.70	20.0	10.54	9.76	9.25	8.79
664-D4010HB-12VLF	AD0412HB-G70-LF	40x10	12	1.20	6000	6.70	25.0	10.78	9.99	9.46	8.99
664-D4010LB-12VLF	AD0412LB-G70(T)-LF	40x10	12	0.84	4200	4.70	14.0	11.26	11.02	10.79	10.32
664-D4015HB-12VLF	AD0412HB-D50-LF	40x15	12	1.44	8000	9.20	39.3	9.03	8.60	8.17	7.74
664-AD0412HB-D56LF	AD0412HB-D56-LF	40x15	12	1.44	8000	8.53	39.3	17.48	16.72	15.20	14.06
664-D4020HB-5VLF	AD0405HB-C50-LF	40x20	5	1.45	7800	9.90	31.9	13.07	12.45	11.83	11.20
664-D4020MB-12VLF	AD0412MB-C50-LF	40x20	12	0.96	6900	8.50	28.5	10.93	9.89	8.85	8.59
664-AD0412HB-C56LF	AD0412HB-C56-LF	40x20	12	1.20	7800	10.10	31.9	13.23	12.65	12.08	11.50
664-D0424HB-C50-LF	AD0424HB-C50-LF	40x20	24	1.20	7800	10.10	31.9	12.11	11.59	11.06	10.53
664-AD0424HX-C50-LF	AD0424HX-C50-LF	40x20	24	2.16	7800	10.10	31.9	32.63	26.10	22.84	20.88
664-D5210MB-5VLF	AD0505MB-G70-LF	50x10	5	0.90	4300	9.00	24.0	12.67	12.12	11.02	10.47
664-AD0512HB-G70LF	AD0512HB-G70-LF	50x10	12	1.08	5000	11.80	26.0	11.27	10.78	10.29	9.80
664-D5215HB1-12VLF	AD5012HB-D71-LF	50x15	12	1.20	4600	12.00	28.7	12.51	11.69	10.85	10.01
664-D5215HB1-24VLF	AD5024HB-D71-LF	50x15	24	1.92	4600	12.00	28.7	12.58	11.66	11.04	10.49
664-D6010HB-G70LF	AD0612HB-G70-LF	60x10	12	1.68	4200	16.60	32.8	13.14	12.86	12.57	11.43
664-D6015HB1-5VLF	AD0605HB-D71GL-LF	60x15	5	1.85	4500	15.82	32.4	16.18	15.41	14.64	13.87
664-D612LB-D72GL-LF	AD0612LB-D72GL-LF	60x15	12	1.08	3500	12.62	25.3	12.50	11.58	10.97	10.42
664-D6015HB1-12V-LF	AD0612HB-D71GL-LF	60x15	12	1.56	4500	15.82	32.4	11.70	11.36	11.03	10.69
664-D6020HB1-24LF	AD0624HB-C71GL-LF	60x20	24	2.16	4500	16.31	29.7	10.91	10.37	9.83	9.28
664-AD0605LB-A72GLLF	AD0605LB-A72GL-LF	60x25	5	1.10	2500	13.20	16.1	14.95	14.30	13.65	13.00
664-D6025MB-12VLF	AD0612MB-A70GL-LF	60x25	12	1.68	3500	18.00	24.0	7.39	6.66	6.47	6.10
664-D6025HB-12VLF	AD0612HB-A70GL-LF	60x25	12	2.76	4500	23.98	32.3	11.02	9.92	9.64	9.09
664-AD0612HBA72GL-LF	AD0612HB-A72GL-LF	60x25	12	2.76	4600	24.78	35.2	15.46	14.64	13.74	13.40
664-D6025UB1-12VLF	AD0612UB-A71GL-LF	60x25	12	3.24	2030	28.30	37.0	10.39	9.85	9.29	8.75
664-D6025HB-24VLF	AD0624HB-A70GL-LF	60x25	24	3.60	3200	23.98	32.3	11.44	10.84	10.23	9.63
664-D8015HB1-24VLF	AD0824HB-D71-LF	80x15	24	3.12	4500	32.00	33.6	13.99	13.30	12.60	11.90
664-D8020HB-12VLF	AD0812HB-C70-LF	80x20	12	2.88	3100	29.08	32.4	10.04	9.54	9.03	8.54
664-D8025LB-12VLF	AD0812LB-A70GL-LF	80x25	12	1.44	2100	28.10	22.5	12.14	11.16	10.33	9.61
664-D8025MB-12VLF	AD0812MB-A70GL-LF	80x25	12	1.80	2500	33.50	28.3	12.14	11.16	10.33	9.61
664-D8025HB-12VLF	AD0812HB-A70GL-LF	80x25	12	3.00	3000	40.80	34.4	14.51	11.35	11.05	10.41
664-AD0812LB-A76LF	AD0812LB-A76GL-LF	80x25	12	1.44	2030	26.20	22.5	11.15	8.73	8.48	7.99
664-AD0812MB-A76LF	AD0812MB-A76GL-LF	80x25	12	1.80	2400	31.40	28.3	11.15	8.73	8.48	7.99
664-D8025LB-24V-LF	AD0824LB-A70GL-LF	80x25	24	2.16	2100	26.20	22.5	12.32	9.64	9.38	8.84
664-D8025HB-24LF	AD0824HB-A70GL-LF	80x25	24	3.84	3100	38.99	35.0	12.32	9.64	9.38	8.84
664-D9225LB-A72GL-LF	AD0912LB-A72GL-LF	92x25	12	1.56	2000	36.00	25.0	17.77	15.99	15.65	14.36
664-D9225LB-12VLF	AD0912LB-A70GL-LF	92x25	12	1.56	2050	34.75	25.0	12.50	11.24	11.00	10.00
664-D9225HB-12VLF	AD0912HB-A70GL-LF	92x25	12	3.00	2900	49.30	35.0	8.26	8.04	7.72	7.43
664-D9225MB-24VLF	AD0924MB-A70GL-LF	92x25	24	2.88	2400	41.49	32.7	15.14	13.64	13.33	12.12
664-D9225HB-24LF	AD0924HB-A70GL-LF	92x25	24	3.60	2900	49.30	35.0	13.77	12.40	12.12	11.02
664-D12025LB1-12VLF	AD1212LB-A71GL-LF	120x25	12	2.88	1800	72.00	34.4	19.22	18.39	16.72	15.46
664-D12025HB1-12VLF	AD1212HB-A71GL-LF	120x25	12	4.44	2200	88.70	39.1	17.47	16.71	15.20	14.05
664-AD1212HBA73GL-LF	AD1212HB-A73GL-LF	120x25	12	4.40	2200	88.71	39.1	17.95	17.18	15.62	14.45
664-AD1212UBA73GL-LF	AD1212UB-A73GL-LF	120x25	12	6.00	2500	98.60	43.3	20.68	19.30	17.92	16.54
664-D12025HB-12VLF	AD1212HB-Y53-LF	120x32	12	4.80	2750	108.00	43.3	24.00	20.00	17.00	14.00
664-D12038MB1-12VLF	AD1212MB-F51-LF	120x38	12	4.20	2540	94.00	41.0	22.53	21.55	19.59	18.12
664-D12038HB1-24LF	AD1224HB-F51-LF	120x38	24	7.68	2800	104.80	42.8	23.70	22.67	20.61	19.06
664-AD1224UBF52-LF	AD1224UB-F52-LF	120x38	24	9.60	3200	122.00	48.0	16.86	14.66	12.83	11.73
664-D12038HB1-48VLF	AD1248HB-F51-LF	120x38	48	9.60	2800	104.80	42.8	27.35	26.16	23.79	22.01

Sleeve Bearing Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADDA Part Number GL = Low Noise	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dBA)	Price Each			
								1	10	25	50
664-D5210MS12V-LF	AD0512MS-G70-LF	50x10	12	0.96	3300	8.50	24.9	12.04	11.51	11.00	10.46
664-D6015MS-12V-LF	AD0612MS-D70GL-LF	60x15	12	1.32	2900	14.20	28.8	10.47	10.01	9.56	9.10
664-D6020LS-12VLF	AD0612LS-C70GL-LF	60x20	12	0.96	3500	13.30	21.6	7.84	7.57	7.30	6.76
664-D6020HS-12VLF	AD0612HS-C70GL-LF	60x20	12	1.92	4500	16.40	29.7	7.84	7.57	7.30	6.76
664-D6025HS-12VLF	AD0612HS-A70GL-LF	60x25	12	2.76	4500	23.20	32.3	8.31	7.93	7.55	7.18
664-AD0812HS-D70LF	AD0812HS-D70-LF	80x15	12	2.16	3200	30.26	33.4	13.50	13.05	12.60	12.15
664-D8025MS-12VLF	AD0812MS-A70GL-LF	80x25	12	1.80	2440	31.40	28.3	6.92	6.50	6.18	5.85
664-D8025HS-12VLF	AD0812HS-A70GL-LF	80x25	12	3.00	3010	38.60	34.4	9.22	8.54	8.09	7.69
664-AD0824HS-A70GLLF	AD0824HS-A70GL-LF	80x25	24	3.84	3200	40.00	35.0	9.12	8.45	8.00	7.60
664-D9225MS-12VLF	AD0912MS-A70GL-LF	92x25	12	2.04	2350	43.00	31.0	8.16	7.35	7.19	6.53
664-D9225HS-12VLF	AD0912HS-A70GL-LF	92x25	12	3.00	2700	50.00	33.7	8.16	7.35	7.19	6.53
664-AD0912USA70GL-LF	AD0912US-A70GL-LF	92x25	12	3.50	3300	57.80	39.4	13.15	11.92	10.52	9.56