



Kate & McKenzie (UK) Ltd T/A Evercase. +44 (0)1592655111
 sales@evercase.co.uk. www.evercase.co.uk

Computer fan comparison chart

No	Fan Size	Model No	Size WxDxH (mm)	Brand	Bearing type	Connector type	Operating Voltage	Current A	Power W	Speed RPM	Air flow CFM	Static pressure mmAq	Noise dB(A)	Wire length cm	Weight Grams	Price Exc VAT	Remark
1	4cm	PL40S12M	40x40x10	Power Logic	Sleeve Bearing	3/4pin	6-12V	0.05	0.6	5000	3.95		25	30cm	25	£3	
2	4cm	DF0401012XZLN	40X40X10 Twin	Martech	Ball Bearing	3pin	6-12V	0.06	0.72					17cm	30	£4	
3	5cm	DF0501512SEMA	50x50x15 Twin	Martech	Sleeve Bearing	3pin	6-12V	0.16	1.92					60cm	60	£4	With standard screw holes.
4	5cm	DF0521512XZMN	50x50x15 Twin	Martech		3Pin	6-12V	0.12	1.44					62mm	60	£4	Larger 4mm screw holes. Does not take standard fan screws.
5	6cm	PL60S12M	60x60x15 Slim	Power Logic	Sleeve Bearing	3/4pin	6-12V	0.12	1.44					50cm	45	£3	
6	6cm	DF0602512XZLN	60x60x25	Martech	Sleeve Bearing	3pin	6-12V	0.16	1.92					35cm	60	£3	
7	6cm	PL65S12M	60x60x25	Power Logic	Sleeve Bearing	3pin	6-12V	0.14	1.68					50cm	60	£3	
8	6cm	PL65S12M	60x60x25 Twin	Power Logic	Sleeve Bearing	3pin	6-12V	0.14	1.68					60cm	120	£4	
9	8cm	DF0801512SEMNI	80x80x15 Slim	Martech	Sleeve Bearing	3pin	6-12V	0.1	1.2					50cm	55	£3	
10	8cm	PL80S12M-1	80x80x25	Power Logic	Sleeve Bearing	3pin	6-12V	0.13	1.56					50cm	71	£3	
11	8cm	SP802512M	80x80x25	Bi-Sonic	Ball Bearing	3pin	6-12V	0.16	1.92	2700	33	3	29	30cm	67	£3	
12	8cm	DF0802512SEMNI	80x80x25	Martech	Sleeve Bearing	3pin	6-12V	0.24	2.88					50cm	80	£3	
13	8cm	D80SM-12	80x80x25	Yate Loon	Sleeve Bearing	3pin	6-12V	0.14	1.68	2200	27		29	35cm	71	£3	
14	9cm	PL92S12M	92x92x25	Power Logic	Sleeve Bearing	3/4pin Molex splitter	6-12V	0.2	2.4					40cm	100	£3	

No	Fan Size	Model No	Size WxDxH (mm)	Brand	Bearing type	Connector type	Operating Voltage	Current A	Power W	Speed RPM	Air flow CFM	Static pressure mmAq	Noise dB(A)	Wire length cm	Weight Grams	Price Exc VAT	Remark
15	9cm	CH90S12M	92x92x25	Maxima	Sleeve Bearing	2pin	6-12V	0.17	2.04	3000	46		31	19cm	91	£3	
16	12cm	KD1212PTB1-6AF	120x120x25	Sunon	Ball Bearing	3pin	6-12V	0.4	4.8	3100	90	0.28	44.5	11cm	203	£6	High efficiency fan
17	12cm	B1202512M-3M	120x120x25	Globe Fan	Ball Bearing	3pin	6-12V	0.3	3.6	2400	103.26	4.23	39	11cm	138	£5	
18	12cm	D12SH-12	120x120x25	Yate Loon	Sleeve Bearing	3pin	6-12V	0.3	3.6	2200	88	2.97	40	47cm	135	£5	
19	12cm	PL12S12L	120x120x25	Power Logic	Sleeve Bearing	3/4pin	6-12V	0.12	1.44	1500	52.8		29.3	50cm	158	£5	
20	12cm	AVP-1225M12B	120x120x25	AVE	Ball Bearing	3/4pin Molex splitter	6-12V	0.36	4.32	2000	76	2.5	35.5	75cm	165	£5	
21	12cm	KD1212PMBX-6AF	120x120x38	Sunon	Ball Bearing	3pin	6-12V	0.63	7.6	3150	120	0.34	46.5	10cm	307	£7	Thick high efficiency fan
22	14cm	Gdt14025S	140x140x25	Gdt	Sleeve Bearing	3/4pin Molex splitter	6-12V	0.38	4.56	1350	109.3		28	20	127	£7	Out of stock

Ball VS Sleeve Bearing. Comparison chart

Criteria	Ball Bearing	Sleeve Bearing
Fan Longevity	Longer Life (Mainly in hot environment)	Shorter Life (Don't work over 70 degrees C)
Heat Endurance	Higher	Lower
Fan Mounting Options	Vertical, shaft Center Line, Parallel, Perpendicular	Vertical
Noise Emissions	Quieter At High Speeds	Quieter At Low Speeds in Early Life
Parts	Precision	Non-precision
Lubricant	Less Evaporation	More Evaporation
Contact	Point (minimal friction)	Line
Cost	More Expensive Per Unit	Less Expensive Per Unit