

# Section 29: Fan Products

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# Fan Products - Fans & Blowers



## DC Series OD 1238

Dimensions are 120 x 38mm (4.7" x 1.5"). Motor is brushless DC, impedance and polarity protected. Impeller and frame is glass fiber reinforced thermoplastic PBT, UL94V-0. Insulation resistance is min.10M ohm at DC 500V. Dielectric strength is 500VAC/1 sec. max. leakage 500 micro amp. Operating temperature for ball bearing is -20°C ~ 80°C and for sleeve bearing is -10°C ~ 50°C. Safety approvals include UL, CUL, and TÜV Standards. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), B (Wire Ball Bearing), S (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Volt Range	Current (Amp)	Max. Static Pressure (in.)
OD1238-12HH(X)	3600	140	47	12	8 ~ 14	1.20	.37
OD1238-12H(X)	3100	108	43	12	8 ~ 14	.50	.28
OD1238-12M(X)	2500	88	33	12	8 ~ 14	.40	.23
OD1238-12L(X)	2000	60	26	12	8 ~ 14	.16	.14
OD1238-24H(X)	3000	108	43	24	10 ~ 29	.26	.28
OD1238-24M(X)	2500	88	33	24	10 ~ 29	.19	.23
OD1238-24L(X)	2000	60	26	24	10 ~ 29	.15	.14
OD1238-48H(X)	3000	108	43	48	15 ~ 53	.12	.28
OD1238-48M(X)	2500	88	33	48	15 ~ 53	.08	.23
OD1238-48L(X)	2000	60	26	48	15 ~ 53	.06	.14

## AC Series OA 109

Dimensions are 120 x 120 x 38mm (4.7" x 4.7" x 1.5"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast painted black (AP) or natural sanded and milled (AN). Impeller is glass fiber reinforced thermoplastic UL94V-0 or diecast aluminum. Dual ball or sleeve bearing system available. Dielectric strength is 1 min. at 1500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL, TÜV and VDE standards. \*Dual voltage AC fans are equipped with 4 lead wires. Other dual voltages available. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), WB (Wire Ball Bearing) or WS (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA109AP-11-1(X)	3000	110	37	115	80 ~ 130	15	.28
OA109AP-11-2(X)	2300	71	30	115	80 ~ 130	11	.21
OA109AP-22-1(X)	3000	110	37	230	160 ~ 260	15	.28
OA109AP-22-2(X)	2300	71	30	230	160 ~ 260	11	.21
OA109AP-22-3(X)	1600	51	25	230	160 ~ 260	8	.15
OA109AP-11/22-1WB	3000*	110	37	115/230	80 ~ 260	15	.28
OA109AP-11/22-2WB	2300*	71	30	115/230	80 ~ 260	11	.21
OA109AP-11/22-3WB	1600	51	25	115/230	80 ~ 260	8	.15

## AC Series OA 119

Dimensions are 127 x 127 x 38mm (5" x 5" x 1.5"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast painted black (AP) or natural sanded and milled (AN). Impeller is glass reinforced thermoplastic, UL94V-0. Dual ball or sleeve bearing system. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and for sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL and TÜV. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), WB (Wire Ball Bearing) or WS (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA119AP-11-1(X)	3000	130	46	115	80 ~ 130	12	.24
OA119AP-11-2(X)	2300	95	37	115	80 ~ 130	9	.15
OA119AP-11-3(X)	1400	74	28	115	80 ~ 130	5	.10
OA119AP-22-1(X)	3000	130	46	230	160 ~ 260	12	.24
OA119AP-22-2(X)	2300	95	37	230	160 ~ 260	9	.15
OA119AP-22-3(X)	1400	74	28	230	160 ~ 260	5	.10

## AC Series OA 109 Reverse Airflow (AIOS)

Dimensions are 120 x 120 x 38mm (4.7" x 4.7" x 1.5"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast painted black (AP). Impeller is glass reinforced thermoplastic, UL94V-0 or diecast aluminum. Dual ball or sleeve bearing system. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and for sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL, VDE and TÜV. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), WB (Wire Ball Bearing) or WS (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Voltage Range	Watts	Max. Static Pressure (in.)
OA109AP-11-1(X)R	3100	99	47	115	80 ~ 130	15	.33
OA109AP-11-2(X)R	2750	85	45	115	80 ~ 130	13	.25
OA109AP-11-3(X)R	2300	75	38	115	80 ~ 130	12	.16
OA109AP-22-2(X)R	2750	85	45	230	120 ~ 260	13	.25
OA109AP-22-3(X)R	2300	75	38	230	120 ~ 260	12	.16

# Fan Products - Fans & Blowers



## AC Series OA 125

Dimensions are 120 x 120 x 25mm (4.7" x 4.7" x 1"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast, painted black (AP). Impeller is glass reinforced thermoplastic, UL94V-0. Two ball or sleeve bearing system. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and for sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL and TÜV. \*Dual voltage AC fans are equipped with 4 lead wires. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), B (Wire Ball Bearing), S (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA125AP-11-1(X)	2900	81	33	115	80 ~ 130	13	.23
OA125AP-11-2(X)	2300	60	27	115	80 ~ 130	10	.18
OA125AP-11-3(X)	1600	42	22	115	80 ~ 130	6	.12
OA125AP-22-1(X)	2900	81	33	230	160 ~ 260	13	.23
OA125AP-22-2(X)	2300	60	27	230	160 ~ 260	10	.18
OA125AP-22-3(X)	1600	42	22	230	160 ~ 260	6	.12
OA125AP-11/22-1WB	2900*	81	33	115/230	80 ~ 260	13	.23
OA125AP-11/22-2WB	2300*	60	27	115/230	80 ~ 260	10	.18
OA125AP-11/22-3WB	1600*	42	22	115/230	80 ~ 260	6	.12

## AC Series OA 80

Dimensions are 80 x 80 x 38mm (3.15" x 3.15" x 1.5"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast, painted black (AP). Impeller is glass reinforced thermoplastic, UL94V-0. Dual ball or sleeve bearing system. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and for sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL and TÜV. \*Dual voltage AC fans are equipped with 4 lead wires. Other dual voltages available. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), WB (Wire Ball Bearing) or WS (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA80AP-11-1(X)	3000	31	29	115	80 ~ 130	12	.24
OA80AP-11-2(X)	2300	23	22	115	80 ~ 130	9	.15
OA80AP-11-3(X)	1600	17	18	115	80 ~ 130	5	.10
OA80AP-22-1(X)	3000	31	29	230	160 ~ 260	12	.24
OA80AP-22-2(X)	2300	23	22	230	160 ~ 260	9	.15
OA80AP-22-3(X)	1600	17	18	230	160 ~ 260	5	.10
OA80AP-11/22-1WB	3000*	31	29	115/230	80 ~ 260	12	.24
OA80AP-11/22-2WB	2300*	21	22	115/230	80 ~ 260	9	.15
OA80AP-11/22-3WB	1600*	17	18	115/230	80 ~ 260	5	.10

## AC Series OA 172

Dimensions are 172 x 150 x 38mm (6.72" x 5.91" x 1.5"). Motor is capacitance driven, impedance protected. Frame/housing is aluminum die-cast, painted black (AP). Impeller is glass reinforced thermoplastic, UL94V-0. Dual ball bearing system only. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature is -20°C ~ 75°C. Safety approvals include UL, CUL and TÜV.



X = Type: T (Terminal) or W (Wire).

Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA172SAPL-11-1(X)B	3400	228	58	115	80 ~ 130	28.0	.87
OA172SAPL-22-1(X)B	3400	228	58	230	160 ~ 260	26.0	.87

Natural aluminum finish available: Substitute "SAN" for "SAP". Also available with a round frame: Substitute "AN" for "SAP" for natural sanded and milled aluminum, or "AP" for aluminum painted black. X = Type: T (Terminal) or W (Wire).

Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA172SAP-11-1(X)B	3500	235	46	115	80 ~ 130	35.0	.79
OA172SAP-11-2(X)B	2400	170	35	115	80 ~ 130	20.0	.55
OA172SAP-11-3(X)B	1500	106	27	115	80 ~ 130	16.0	.31
OA172SAP-22-1(X)B	3500	235	46	230	160 ~ 260	35.0	.79
OA172SAP-22-2(X)B	2400	170	35	230	160 ~ 260	20.0	.55
OA172SAP-22-3(X)B	1500	106	27	230	160 ~ 260	16.0	.31

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## DC Series OD 1225

Dimensions are 120 x 25mm (4.7" x 1"). Motor is brushless DC, impedance and polarity protected. Impeller and frame is glass fiber reinforced thermoplastic PBT, UL94V-0. Insulation resistance is min.10M ohm at DC 500V. Dielectric strength is 500VAC/1 sec. max. leakage 500 micro amp. Operating temperature for ball bearing is -20°C ~ 80°C and for sleeve bearing is -10°C ~ 50°C. Safety approvals include UL, CUL, and TÜV Standards. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), B (Wire Ball Bearing), S (Wire Sleeve Bearing)



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Volt Range	Current (Amp)	Max. Static Pressure (in.)
OD1225-12H(X)	3000	86	42	12	7 ~ 17	.45	.24
OD1225-12M(X)	2500	70	35	12	7 ~ 17	.35	.19
OD1225-12L(X)	1800	45	25	12	7 ~ 17	.20	.15
OD1225-24H(X)	3000	86	42	24	10 ~ 29	.23	.24
OD1225-24M(X)	2500	70	35	24	10 ~ 29	.23	.19
OD1225-24L(X)	1800	45	25	24	10 ~ 29	.17	.15
OD1225-48H(X)	3000	86	42	48	18~ 53	.10	.24
OD1225-48M(X)	2400	70	35	48	18 ~ 53	.07	.19
OD1225-48L(X)	1800	45	25	48	18~ 53	.06	.15

## AC Series OA 825

Dimensions are 80 x 80 x 25mm (3.15" x 3.15" x 1"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast, painted black (AP). Impeller is glass reinforced thermoplastic, UL94V-0. Dual ball or sleeve bearing system. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and for sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL and TÜV. \*Dual voltage AC fans are equipped with 4 lead wires. Other dual voltages available. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), WB (Wire Ball Bearing) or WS (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA825AP-11-1(X)	3000	25	28	115	80 ~ 130	9	.21
OA825AP-11-2(X)	2300	18	24	115	80 ~ 130	6	.14
OA825AP-11-3(X)	1600	13	20	115	80 ~ 130	4	.11
OA825AP-22-1(X)	3000	25	28	230	160 ~ 260	9	.21
OA825AP-22-2(X)	2300	18	24	230	160 ~ 260	6	.14
OA825AP-22-3(X)	1600	13	20	230	160 ~ 260	4	.11
OA825AP-11/22-1WB	3000*	25	28	115/230	80 ~ 260	9	.21
OA825AP-11/22-2WB	2300*	18	24	115/230	80 ~ 260	6	.14
OA825AP-11/22-3WB	1600*	13	20	115/230	80 ~ 260	4	.11

## AC Series OA 92

Dimensions are 92 x 92 x 25mm (3.62" X 3.62" X 1.0"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast, painted black (AP). Impeller is glass reinforced thermoplastic, UL94V-0. Dual ball or sleeve bearing system. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and for sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL and TÜV. \*Dual voltage AC fans are equipped with 4 lead wires. Other dual voltages available. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), WB (Wire Ball Bearing) or WS (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA92AP-11-1(X)	3000	35	30	115	80 ~ 130	13	.20
OA92AP-11-2(X)	2300	27	22	115	80 ~ 130	10	.14
OA92AP-11-3(X)	1600	21	19	115	80 ~ 130	6	.09
OA92AP-22-1(X)	3000	35	30	230	160 ~ 260	13	.20
OA92AP-22-2(X)	2300	27	22	230	160 ~ 260	10	.14
OA92AP-22-3(X)	1600	21	19	230	160 ~ 260	6	.09
OA92AP-11/22-1WB	3000*	35	30	115/230	80 ~ 260	13	.20
OA92AP-11/22-2WB	2300*	27	22	115/230	80 ~ 260	10	.14
OA92AP-11/22-3WB	1600*	21	19	115/230	80 ~ 260	6	.09

# Fan Products - Fans & Blowers



## AC Series OA 938

Dimensions are 92 x 92 x 38mm (3.62" x 3.62" x 1.5"). Motor is shaded pole, impedance protected. Frame/housing is aluminum die-cast, painted black (AP). Impeller is glass reinforced thermoplastic, UL94V-0. Dual ball or sleeve bearing system. Dielectric strength is 1 min. at 1,500VAC, 50/60Hz. Operating temperature for ball bearing is -20°C ~ 75°C and for sleeve bearing is -10°C ~ 60°C. Safety approvals include UL, CUL and TÜV. \*Dual voltage AC fans are equipped with 4 lead wires. Other dual voltages available. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), WB (Wire Ball Bearing) or WS (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure (in.)
OA938AP-11-1(X)	3100	50	32	115	80 ~ 130	9	.22
OA938AP-11-3(X)	1800	21	19	115	80 ~ 130	3	.10
OA938AP-22-1(X)	3100	50	32	230	160 ~ 260	9	.22
OA938AP-22-2(X)	2400	32	23	230	160 ~ 260	5	.17
OA938AP-22-3(X)	1800	21	19	230	160 ~ 260	3	.10
OA938AP-11/22-1WB	3100*	50	32	115/230	80 ~ 260	9	.22
OA938AP-11/22-2WB	2400*	32	23	115/230	80 ~ 260	5	.17
OA938AP-11/22-3WB	1800*	21	19	115/230	80 ~ 260	3	.10

## DC Series OD 6025

Dimensions are 60 x 25mm (4.7" x 1"). Motor is brushless DC, impedance and polarity protected. Impeller and frame is glass fiber reinforced thermoplastic PBT, UL94V-0. Insulation resistance is min. 10M ohm at DC 500V. Dielectric strength is 500VAC/1 sec. max. leakage 500 micro amp. Operating temperature for ball bearing is -20°C ~ 80°C and for sleeve bearing is -10°C ~ 50°C. Safety approvals include UL, CUL, and TÜV Standards. X = Bearing System: B (Ball Bearing) or S (Sleeve Bearing)



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Volt Range	Current (Amp)	Max. Static Pressure (in.)
OD6025-05H(X)	2800	20	26	5	4 ~ 7	.24	.17
OD6025-05M(X)	2200	15	21	5	4 ~ 7	.17	.14
OD6025-05L(X)	1800	12	18	5	4 ~ 7	.12	.10
OD6025-12H(X)	3800	25	30	12	7 ~ 17	.15	.23
OD6025-12M(X)	3000	17	25	12	7 ~ 17	.12	.16
OD6025-12L(X)	2500	14	20	12	7 ~ 17	.08	.14
OD6025-24H(X)	3800	25	30	24	12 ~ 28	.12	.23
OD6025-24M(X)	3000	17	25	24	12 ~ 28	.09	.16
OD6025-24L(X)	2500	14	20	24	12 ~ 28	.06	.14
OD6025-48HB	4100	28	30	48	28 ~ 52	.05	.24

## DC Blowers

Dimensions are 120 x 31mm (4.7" x 1.2"). Plastic case available. Replace "AN" with "PT". X = Bearing System: B (Ball Bearing) or S (Sleeve Bearing).



Part #	Speed (RPM)	Max. CFM	Noise (dB)	Volts	Volt Range	Current (Amp)	Max. Static Pressure
ODB600PT-12H(X)	3000	35	49	12	8 ~ 14	.60	.59
ODB600PT-12M(X)	2500	25	42	12	8 ~ 14	.47	.47
ODB600PT-12L(X)	1800	20	30	12	8 ~ 14	.20	.39
ODB600PT-24H(X)	3000	35	49	24	10 ~ 29	.37	.59
ODB600PT-24M(X)	2500	25	42	24	10 ~ 29	.30	.47
ODB600PT-24L(X)	2000	20	30	24	10 ~ 29	.20	.39
ODB600PT-38H(X)	3000	35	49	38	15 ~ 45	.15	.59
ODB600PT-38M(X)	2500	25	42	38	15 ~ 45	.11	.47
ODB600PT-38L(X)	2000	20	30	38	15 ~ 45	.10	.39
ODB600PT-48H(X)	3000	35	49	48	18 ~ 53	.15	.59
ODB600PT-48M(X)	2500	25	42	48	18 ~ 53	.12	.47
ODB600PT-48L(X)	2000	20	30	48	18 ~ 53	.09	.39

# Fan Products - Fans & Blowers



## DC Series OD 2510

Dimensions are 25 x 10mm (1" x .39"). Motor is brushless DC, impedance and polarity protected. Ball bearing system. Impeller and frame is glass fiber reinforced thermoplastic PBT, UL94V-0. Insulation resistance is min.10M ohm at DC 500V. Dielectric strength is 500VAC/1 sec. max. leakage 500 micro amp. Operating temperature is -20°C ~ 80°C. Safety approvals include UL, CUL, and TÜV Standards. Other voltages and speeds are available by special order.



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Volt Range	Current (Amp)	Max. Static Pressure (in.)
OD2510-12HB	13000	2.7	31	12	6 ~ 16	.13	.26
OD2510-12MB	10000	2.0	24	12	6 ~ 16	.07	.19

## OAB800 Series

Dimensions are 126 x 40mm (5" x 1.6"). Plastic case available. Replace "AN" with "PT". X = Bearing System: B (Ball Bearing) or S (Sleeve Bearing).



Part #	Speed (RPM)	CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure
OAB800AN-11-1(X)	2800	30	48	110	60 ~ 130	18	.51
OAB800AN-11-2(X)	2100	22	39	110	60 ~ 130	12	.35
OAB800AN-11-3(X)	1400	14	28	110	60 ~ 130	9	.19
OAB800AN-22-1(X)	2800	30	48	220	120 ~ 240	18	.51
OAB800AN-22-2(X)	2100	22	39	220	120 ~ 240	12	.35
OAB800AN-22-3(X)	1400	14	28	220	120 ~ 240	9	.19

## OAB908 Series

Motor: 4-pole or 2-pole capacitor motor. Impedance and thermally protected. Tachometer available. Dielectric strength: 1500 VAC / 1 min., 0.5mA. Frame is diecast aluminum. Impeller: PBT, UL94V-0 Thermoplastic. Power connection 3x lead wires 300mm (12").

Part #	Speed (RPM)	CFM	Noise (dB)	Volts	Volt Range	Watts	Max. Static Pressure
OAB908AN-11-1	3100	250	68	115	60 ~ 130	65	2.00
OAB908AN-11-2	2400	194	55	115	60 ~ 130	45	1.50
OAB908AN-22-1	3100	250	68	220	120 ~ 240	65	2.00
OAB908AN-22-2	2400	194	55	220	120 ~ 240	45	1.50

## DC Series OD 4010

Dimensions are 40 x 10mm (1.57" x .39"). Motor is brushless DC, impedance and polarity protected. Impeller and frame is glass fiber reinforced thermoplastic PBT, UL94V-0. Insulation resistance is min.10M ohm at DC 500V. Dielectric strength is 500VAC/1 sec. max. leakage 500 micro amp. Operating temperature for ball bearing is -20°C ~ 80°C and for sleeve bearing is -10°C ~ 50°C. Safety approvals include UL, CUL, and TÜV Standards. X = Bearing System: B (Ball Bearing) or S (Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Volt Range	Current (Amp)	Max. Static Pressure (in.)
OD4010-05H(X)	7000	5.0	31	5	4 ~ 8	.10	.16
OD4010-05M(X)	5000	3.8	27	5	4 ~ 8	.07	.12
OD4010-05L(X)	4000	2.5	24	5	4 ~ 8	.06	.08
OD4010-12H(X)	8000	5.0	31	12	6 ~ 17	.07	.16
OD4010-12M(X)	6000	3.8	27	12	6 ~ 17	.05	.12
OD4010-12L(X)	4000	2.5	24	12	6 ~ 17	.04	.08
OD4010-24H(X)	8000	5.0	31	24	10 ~ 27	.06	.16
OD4010-24M(X)	6000	3.8	27	24	10 ~ 27	.05	.12
OD4010-24L(X)	4000	2.5	24	24	10 ~ 27	.03	.08

## DC Series OD 8025

Dimensions are 80 x 25mm (3.15" x 1"). Motor is brushless DC, impedance and polarity protected. Impeller and frame is glass fiber reinforced thermoplastic PBT, UL94V-0. Insulation resistance is min.10M ohm at DC 500V. Dielectric strength is 500VAC/1 sec. max. leakage 500 micro amp. Operating temperature for ball bearing is -20°C ~ 80°C and for sleeve bearing is -10°C ~ 50°C. Safety approvals include UL, CUL, and TÜV Standards. X = Bearing System: B (Ball Bearing) or S (Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Voltage Range	Current (Amp)	Max. Static Pressure (in.)
OD8025-05H(X)	2800	35	32	5	4 ~ 7	.28	.22
OD8025-05M(X)	2200	30	27	5	4 ~ 7	.20	.15
OD8025-05L(X)	1800	22	21	5	4 ~ 7	.15	.10
OD8025-12H(X)	3300	40	33	12	7 ~ 17	.18	.23

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## DC Series OD 8025 (cont.)

Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Voltage Range	Current (Amp)	Max. Static Pressure (in.)
OD8025-12M(X)	2800	32	28	12	7 ~ 17	.15	.16
OD8025-12L(X)	2000	22	21	12	7 ~ 17	.12	.10
OD8025-24H(X)	3300	40	33	24	12 ~ 28	.12	.23
OD8025-24M(X)	2800	32	27	24	12 ~ 28	.10	.16
OD8025-24L(X)	2000	22	21	24	12 ~ 28	.08	.10
OD8025-48HB	4200	42	33	48	32 ~ 56	.05	.25

## DC Series OD 9225

Dimensions are 92 x 25mm (3.6" x 1"). Motor is brushless DC, impedance and polarity protected. Impeller and frame is glass fiber reinforced thermoplastic PBT, UL94V-0. Insulation resistance is min. 10M ohm at DC 500V. Dielectric strength is 500VAC/1 sec. max. leakage 500 micro amp. Operating temperature for ball bearing is -20C - 80C and for sleeve bearing is -10C - 50C. Safety approvals include UL, CUL, and TUV Standards. X = Type: TB (Terminal Ball Bearing), TS (Terminal Sleeve Bearing), B (Wire Ball Bearing), S (Wire Sleeve Bearing).



Part #	Speed (RPM)	Max CFM	Noise (dB)	Volts (VDC)	Volt Range	Current (Amp)	Max. Static Pressure (in.)
OD9225-05H(X)	2400	45	30	5	4 ~ 7	.32	.22
OD9225-05M(X)	2000	35	27	5	4 ~ 7	.25	.17
OD9225-05L(X)	1600	25	20	5	4 ~ 7	.18	.12
OD9225-12H(X)	2800	50	33	12	7 ~ 17	.29	.24
OD9225-12M(X)	2400	35	30	12	7 ~ 17	.20	.18
OD9225-12L(X)	1800	25	23	12	7 ~ 17	.12	.12
OD9225-24H(X)	3000	50	33	24	12 ~ 28	.18	.24
OD9225-24M(X)	2500	35	30	24	12 ~ 28	.12	.18
OD9225-24L(X)	1800	25	23	24	12 ~ 28	.10	.12



## System Coolers

Part #	Description
FAN-HDD-BAY	HDD cooler, 3-fan, fits 5.25", drive bay
FAN-HDD-BAYB	HDD cooler, 3 fans, 5.25" drive bay, black
FAN-HDD-Dual	HDD cooler, dual fan, 3.50"



## CPU Fans (cont.)

### Pentium 4

Part #	Description
FAN-P4-S478	Socket 478, Northwood, 2.0 GHz, vantec
FAN-P4	Willamette, 1.5GHz, vantec
FAN-P4-S478PLUS	Copper Core, Pentium 4, Socket 478, 3.6 GHz, Spire
FAN-P4-S775	Pentium 4, Socket 775, 3.6 GHz, Spire, Cool Wave II
FAN-P4-S775-HP	Copper with heat pipe, Socket 775, Ultra Quiet, Spire

## CPU Fans

CPU and Case fans are used to avoid system overheating. These fans have low acoustical noise and high air flow rating.



## Socket 7/370

Part #	Description
FAN-S7-370	Vantec
FAN-S7-370-LP	Low profile, vantec

## FCPGA



Part #	Description
FAN-COPPER-PLUS	Copper PIII FC-PGA, AMD Socket A, vantec
FAN-FCPGA-COP	Copper, PIII FC-PGA, AMD Socket A, vantec
FAN-FCPGA-1GHZ	PIII-1Ghz or AMD Duron, vantec
FAN-FCPGA-PLUS1	Copper Core, Intel PIII 1.8GHz+, AMD Athlon 1.4GHz+, XP3200+, MicroFlow II, Spire
FAN-FCPGA-PLUS2	Intel PIII 1.8GHz+, AMD Athlon 1.4GHz+, XP 3200+, Super Quiet, Copper Core, WhisperRock V, Spire
FAN-FCPGA-PLUS3	Copper Core, Intel PIII 1.8GHz+, AMD Athlon 1.4GHz+, XP 2800+, Super Quiet, Falcon Rock II, Spire
FAN-FCPGA-PLUS5	Intel PIII 1.8GHz+, AMD Athlon 1.4GHz+, XP 3200+, Ultra Quiet, Copper COrd, WhisperRock V, Spire

## Slot 1



Part #	Description
FAN-SECC1-KC	Old style PII, kool cast, cofan
FAN-SECC2	New style PII/PIII, vantec
FAN-SEPP	Old style celeron, vantec

# Fan Products - Fans & Blowers



## CPU Fans (cont.)

### AMD



Part #	Description
FAN-ATHLON	Athlon, vantec
FAN-AMD-PLUS	Athlon/Duron, socket A, vantec
FAN-AMD-LED	LED, socket A, FCPGA, Duron, Athlon
FAN-AMD-64	K8 Opteron, Athlon 64 FX S-940, 64 S-754
FAN-AMD-64PLUS	K8 Opteron, Athlon 64 FX S-940, 64 S-754

## Case Fans

These cooling fans install in seconds and prevent your system from over heating which is one of the leading causes of poor system performance and damage.



### 92mm

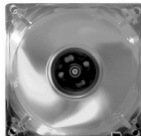
Part #	Description
FAN-3000	Sleeve bearing, AT
FAN-3010	Ball bearing, AT
FAN-3010-ATX	Ball bearing, ATX
FAN-3010-DBB	Double ball bearing, stealth

### 80mm



Part #	Description
FAN-3100	Sleeve bearing, XT
FAN-3110	Ball bearing, XT
FAN-3110-ATX	Ball bearing, ATX
FAN-3110-DBB	Double ball bearing, stealth

## Crystal Clear with LED



Part #	Description
FAN-3110-CLR	Ball bearing
FAN-3110-LEDG	Green LED's in center, ball bearing
FAN-3110-LEDR	Red LED's in center, ball bearing
FAN-3110-LEDM	3 LED's on outer multicolor, ball bearing
FAN-3110-LEDB2	4 blue LEDs on outer sleeve
FAN-3110-LEDG2	Ball bearing, 4 green LEDs on outer sleeve
FAN-3110-LEDR2	4 bright red LEDs

## Smaller Chassis Fans



Part #	Description
FAN-3260	60mm, Sleeve bearing
FAN-3260-BB	60mm, Ball bearing
FAN-3260-DBB	60mm, Double ball bearing, stealth
FAN-3250-BB	50mm, Ball bearing
FAN-3245-BB	45mm, Ball bearing
FAN-3240	40mm, Sleeve bearing
FAN-3240-BB	40mm, Ball bearing



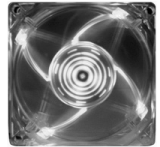
## Fan Chassis, 120x120x25, 4Pin Molex



Part #	Description
FAN-2910	Ball bearing
FAN-2910-ATX	Ball bearing, ATX

## 80mm Blue LED Case Fan with Light Show

Clear high performance 80mm ball bearing fan features four high intensity LEDs that project beams of light directly onto its blades spinning at 2500 RPM.



Part #	Color
FAN-ALIEN-BG	Green
FAN-ALIEN-BR	Red

## Chipset Coolers



Part #	Description
FAN-CHIPSET	VGA & chipset cooling kit, iceberg, vantec
FAN-CHIPSET-COP	VGA & chipset cooling kit, copper, iceberg, vantec

## Power Supply Fans



Part #	Description
FAN-3020	92mm, Sleeve bearing, AT
FAN-3120	80mm, Sleeve bearing, XT

## Fan, UV Sensitive

This ball bearing fan glows brightly when bathed in UV light. Installs in seconds and provides better airflow with 32.4 CFMs of cooling power, keeping your system running at peak performance.



Part #	Color
FAN-3110-UVB	Blue
FAN-3110-UVG	Green
FAN-3110-UVR	Red

## Dual Fan Notebook Platform

Reduces the temperature of your notebook/laptop computer for maximum performance. Ergonomic designed angle for easy typing. Lightweight aluminum housing for thermal heat dissipation. The dual 60mm fans will cool your laptop computer while you are working.



Part # FAN-NB-COOL



# Fan Products - Fans & Blowers



## Super Quiet AMD CPU Cooler with a Transparent Blue Fan

The super quiet cooler only produces 21dBa of noise at 2300RPM and uses an aluminum heat sink with a copper core to channel the heat away from your processor. With 28 CFMs of air airflow, this cooler is perfect for use with the latest high-speed Athlon and Duron processors.



Part # FAN-WHISPER

## AMD Socket A CPU Cooler with a Copper Core

This high performance cooler is recommended by AMD, only produces 31.8 dBa of noise at 4200 RPM and uses an aluminum microflow heat sink with a copper core to channel the heat away from your processor. With 30.45 CFMs of air airflow, this cooler is perfect for use with the latest high-speed AMD CPU.



Part # FAN-MICRO



## Fans and Accessories

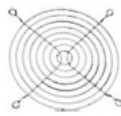
Three year warranty covering defects in materials and workmanship. Sleeve bearing fans have confirmed life expectancies of up to 50,000 hours even at high ambient temperatures. Ball bearing fans have a slightly longer life but their noise levels begin to increase in a very short time. The DC fans have an innovative (patented) motor construction that features a single coil. This design increases reliability and the smaller diameter of the motor allows increased air flow.



Part #	Type	Dimens. (mm)	Bearing	Load	Speed	Air Flow	Noise
59-100-0	115VAC	120 x 120 x 38	Sleeve	18 amps (18 watts)	2900 RPM	105 CFM	48 dbA
59-224-0	12VDC	25 x 25 x 10	Sleeve	.095 A (1.1 watts)	10,000 RPM	1.7 CFM	26.5 dbA
59-244-0	12VDC	40 x 40 x 20	Sleeve	.05 A (.6 watts)	4500 RPM	5.2 CFM	22.8 dbA
59-264-0	12VDC	60 x 60 x 25	Sleeve	.16 A (1.9 watts)	3800 RPM	17.6 CFM	31 dbA
59-284-0	12VDC	80 x 80 x 25	Sleeve	.12 A (1.4 watts)	2200 RPM	26.5 CFM	24.5 dbA
59-294-0	12VDC	92 x 92 x 25	Sleeve	.16 A (2.0 watts)	2700 RPM	44 CFM	27 dbA



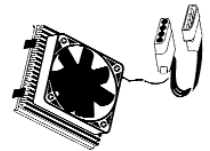
## Nickel Plated Finger Guards



Part #	Size
59-310-0	120 mm
59-314-0	40 mm
59-316-0	60 mm
59-318-0	80 mm
59-319-0	92 mm



## CPU Cooler Fan



Part #	Description
INT-CPU-FAN-P4	Pentium 4 CPU Cooling Fan
INT-CPU-FAN-6	Pentium Pro CPU Fan
INT-CPU-FAN-K6C	K6+ Celeron (PPGA) CPU Cooling Fan
INT-CPU-FAN-K7	K7 (Athlon) CPU Cooling Fan
INT-CPU-FAN-P3	Pentium III (SECC2) CPU Cooling Fan
INT-SYS-FAN	PC System Cooler Fan



## CPU Cooling Fan

At the speeds that computers run today it is very important that they keep cool or there could be problems with operation and memory loss. Each cooling fan has a heatsink and are easily installed by the user.

### 586 and Pentium CPU Cooling Fan

Speeds up to 233 MHz. 12V DC @ 65ma. 4500 RPM. 8.5 CFM. Size is 53 x 53mm.

Part # 70-586



### Type 486 CPU Cooling Fan

Speeds up to 100MHz. 12V DC @ 60ma. 6000 RPM. 3.8 CFM. Size is 44.6 x 44.6 mm.

Part # 70-486



# Need Help?



If you would like assistance in determining which tools are correct for your application, our sales representatives will gladly assist you.



# Fan Products - Fan Accessories



## UL94V-0 Thermoplastic Finger Guards

UL 6.3mm (0.25") ring spacing. Aerodynamic design helps to reduce fan noise.

Part #	Corresponding Fan Size
G40P	40mm (1.57")
G60P	60mm (2.36")
G80P	80mm (3.15")
G92P	92mm (3.62")
G120P	120mm (4.72")
G172P	172mm (6.77")

## Fan Cords

### "T" Connector Angle



Part #	Lead Length
C180T-12	12"
C180T-24	24"
C180T-36	36"
C180T-48	48"
C180T-72	72"

### 45° Connector Angle

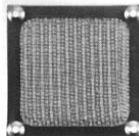
Part #	Lead Length
CA45-12	12"
CA45-24	24"
CA45-36	36"
CA45-48	48"
CA45-72	72"

### Straight Angle Connector

Part #	Lead Length
C180-12	12"
C180-24	24"
C180-36	36"
C180-48	48"
C180-72	72"

## Filteration and Protection

Corrugated aluminum filters offer high levels of air passage while efficiently filtering contaminants and acting as a EMI/RFI shield. The tightly woven, stainless, corrugated mesh screens offer high performance at low cost. Designed to fit all 60mm, 80mm, 92mm, 120mm and 172mm fans. Filters may be mounted directly onto the fan or to any other housing.



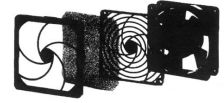
Fans have a mill finish. For black anodized finish, replace suffix with "B".

Part #	Fan Size
WMG60M	60mm
WMG80M	80mm
WMG92M	92mm
WMG120M	120mm
WMG172M	172mm



## UL94V-0 Thermoplastic Filter Kits

Available in sizes from 40mm - 172mm. Quick and easy installation. Snap-on feature makes changing media easy.



Part #	Corresponding Fan Size	Description
GRM40-30	40mm (1.57")	40mm Guard, Retainer and Media Filter Kit (30 ppi)
GRM40-45	40mm (1.57")	40mm Guard, Retainer and Media Filter Kit (45 ppi)
GRM60-30	60mm (2.36)	60mm Guard, Retainer and Media Filter Kit (30 ppi)
GRM60-45	60mm (2.36")	60mm Guard, Retainer and Media Filter Kit (45 ppi)
GRM80-30	80mm (3.15")	80mm Guard, Retainer and Media Filter Kit (30 ppi)
GRM80-45	80mm (3.15")	80mm Guard, Retainer and Media Filter Kit (45 ppi)
GRM92-30	92mm (3.62")	92mm Guard, Retainer and Media Filter Kit (30 ppi)
GRM92-45	92mm (3.62")	92mm Guard, Retainer and Media Filter Kit (45 ppi)
GRM120-30	120mm (4.7")	120mm Guard, Retainer and Media Filter Kit (30 ppi)
GRM120-45	120mm (4.7")	120mm Guard, Retainer and Media Filter Kit (45 ppi)
GRM172-45	172mm (6.7")	172mm Guard, Retainer and Media Filter Kit (45 ppi)

## Wire Form Finger Guards

Steel wire. Electroplated nickel chrome. Black finish available. Welded joints. Withstands minimum 220 lbs. separation force to meet UL, cUL standards. Additional designs, styles and sizes available.



Part #	Fan Size inch (mm)	No. of Rings	Hole Diameter inch (mm)
G40-2	1.57 (40)	2	.18 (4.6)
G50-3	2.0 (53)	3	.18 (4.6)
G60-4	2.36 (60)	4	.18 (4.6)
G80-18	3.15 (80)	5	.18 (4.6)
G92-16	3.62 (92)	6	.18 (4.6)
G109-15A	4.72 (120)	6	.18 (4.6)
G109-3A	4.72 (120)	3	.18 (4.6)
G119-8	5 (127)	8	.18 (4.6)
G172-10H	6.77 (172)	10	.20 (5)
G172-10HA	6.77 (172)	10	.20 (5)
G172-10LN	6.77 (172)	10	.20 (5)
G254-10P	10.0 (254)	9	.18 (4.6)

# Fan Products - Fan Accessories



## Fan Filter



Part #	Description
FAN-FILTER-80	80mm, black plastic and foam
FAN-FILTER-802	2 pack
FAN-FILTER-804	4 pack
FAN-FILTER-90	90mm, black plastic and foam
FAN-FILTER-902	2 pack
FAN-FILTER-120	120mm, black plastic and foam
FAN-FILTER-1202	2 pack

## Fan Guards



Part #	Description
FAN-GUARD-60	60mm, chrome
FAN-GUARD-602	2 pack
FAN-GUARD-604	4 pack
FAN-GUARD-80	80mm, chrome
FAN-GUARD-802	2 pack
FAN-GUARD-804	4 pack
FAN-GUARD-90	90mm, chrome
FAN-GUARD-902	2 pack
FAN-GUARD-904	4 pack
FAN-GUARD-120	120mm, chrome
FAN-GUARD-1202	2 pack
FAN-GUARD-1204	4 pack

## Fan Controller, Digital Doc 5

Simultaneously gauge the temperature, monitor voltage and RPM of up to eight different fans with the new DigitalDoc5 system monitor. This unit monitors 60mm to 120mm high performance fans, safeguarding your system from overheating and protects you from losing valuable data or hardware.



Part #	Description
FAN-DIGIDOC5	Digital Doc 5
FAN-DIGIDOC5-B	Digital Doc 5, Thermal, Black
FAN-DIGIDOC5-S	Digital Doc 5, Thermal, Silver

## CPU Fan Adapter

Reactive fan adapter glows bright when bathed in UV light, adding a stylish look to your computer system. It lets you easily connect an 80 mm low speed fan to a heatsink that normally accepts a 60 mm fan, increasing its cooling ability and lowering system noise.



Part #	Color
FAN-ADAPT-UVB	Blue
FAN-ADAPT-UVG	Green
FAN-ADAPT-UVR	Red

## Fan Cables



Part #	Description
FAN-CABLE	3Pin ATX fan to 4Pin Molex connector
FAN-CABLE-EXT	3Pin ATX, 12", extension
FAN-CABLE-Y	3Pin, ATX, Y-cable
FAN-CABLE-INTEL	3Pin ATX, Intel boxed processor, replacement

## Thermal Grease

Provides optimal heat transfer between processor and heat sink.



Part #	Description
FAN-GREASE	2 gram packets, for CPU fans
FAN-GREASE-PAD	5 one gram packets, for CPU fans

## NOTES

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