

AC AND DC AXIAL FANS



Qualtek
Electronics Corporation



Fan-S Division



www.Qualtekusa.com

RoHS
Compliant

AC AND DC AXIAL FANS PART NUMBERING GUIDE



Example: Part Number for DC Fan FAD1 - 04025CBMW11



SERIES

- A
- K

CURRENT

- D: DC
- A: AC

FAN TYPE

- 1: Axial
- 2: Axial Capacitor Motor
- 3: Chip Cooler
- 4: Blower Fan

FAN SIZE (mm)

FRAME THICKNESS (mm)

VOLTAGE

- A: 3.3VDC
- B: 5VDC
- C: 12VDC
- D: 24VDC
- E: 48VDC
- F: 60VDC
- N: 115VAC
- Q: 230VAC
- R: 115/230VAC

BEARING

- A: 1 Ball 1 Sleeve
- B: 2 Ball
- C: Ceramic
- H: Hydro Dynamic
- S: Sleeve

SPEED

- A: Ultra low
- L: Low
- M: Medium
- H: High
- J: Ultra High
- K: Super High
- T: Top High

TERMINATION

- W: PVC WIRE
- T: TERMINAL

FRAME & IMPELLER MATERIAL

- 1: PLASTIC/PLASTIC
- 2: PLASTIC/METAL
- 3: METAL/PLASTIC
- 4: METAL/METAL

FUNCTION

- 1: By Impedance
- 2: By IC
- 3: By IC with Alarm (RD)
- 4: By IC with Speed Sensor (FG)
- 5: By IC with Variable Speed Sensor (VS)
- 6: By Transistor with Speed Sensor (FG)
- 7: Two Speed
- 8: VS+FG
- 9: PWM Control
- A: VS+RD
- B: PWM+FG
- C: RD+FG
- D: IP55
- E: IP67
- F: By Thermal

SPECIAL FEATURE

AC AND DC AXIAL FANS



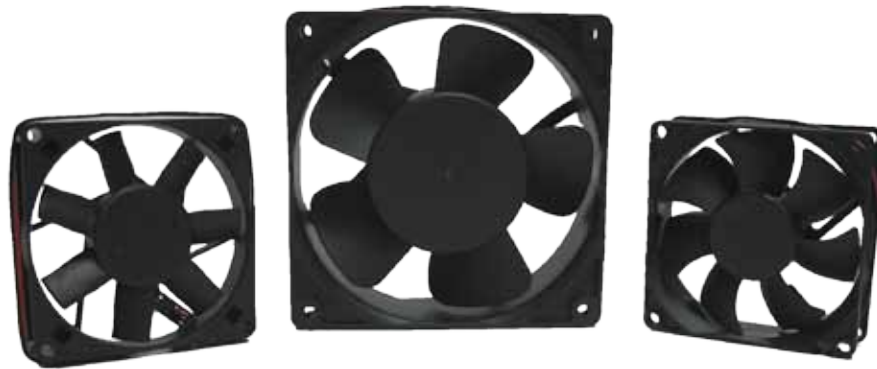
Qualtek Electronics offers a complete line of low cost AC & DC tubeaxial fans produced in high tech facilities assuring high quality standards with large production capabilities. Qualtek's AC and DC fans are offered in a large variety of bearing types: 2-Ball, 1-Ball 1-Sleeve, Sleeve, and Hydro Dynamic. AC fans are available from 60mm to 280mm and DC fans from 20mm to 254mm.

AC FAN SPECIFICATIONS



SERIES	DIMENSIONS (MM)	DIMENSIONS (IN)	AIR FLOW (CFM)	VOLTAGE (VAC)	NOISE LEVEL (dB/A)	APPROVALS
FAA1-08025	80 x 80 x 25	3.15 x 1.0	15 - 21	115 - 230	18.3 - 27.8	CE RoHS TÜV
FAA1-08038	80 x 80 x 38	3.15 x 1.5	22 - 29.6	115 - 230	25.3 - 31.6	CE RoHS TÜV
FAA1-09225	92 x 92 x 25	3.62 x 1.0	25 - 34	115 - 230	21.1 - 30.1	CE RoHS TÜV
FAA1-12025	120 x 120 x 25	4.7 x 1.0	65 - 71	115 - 230	38.7 - 44.1	CE RoHS TÜV
FAA1-12038	120 x 120 x 38	4.7 x 1.5	53.5 - 94.5	115 - 230	39.2 - 44.5	CE RoHS TÜV
FKA1-17251	172 x 150 x 51	6.7 x 5.9 x 2.0	140 - 189	115 - 230	53.0 - 57.7	CE RoHS TÜV
FKA2-17251	172 x 150 x 51	6.7 x 5.9 x 2.0	155 - 210	115 - 230	56.6 - 65.0	CE RoHS TÜV
FKA2-17689	176 x 176 x 89	6.9 x 3.5	330 - 380	115 - 230	66.4 - 70.0	CE RoHS TÜV
FKA2-18065	180 x 180 x 65	7.0 x 2.6	350 - 410	115 - 230	70.0 - 72.0	CE RoHS TÜV
FKA2-20572	205 x 205 x 72	8.0 x 2.7	600 - 665	115 - 230	72.0 - 75.4	CE RoHS TÜV
FKA2-25489	254 x 89	10 x 3.5	450 - 630	115 - 230	55.6 - 66.0	CE RoHS TÜV
FKA2-28089	280 x 89	11 x 3.5	625 - 1400	115 - 230	60.0 - 78.0	CE RoHS

DC FANS SPECIFICATIONS



SERIES	DIMENSIONS (MM)	DIMENSIONS (IN)	AIR FLOW (CFM)	VOLTAGE (VAC)	NOISE LEVEL (dB/A)	APPROVALS
FAD1-02510	25 x 25 x 10	1.0 x 0.39	1.6 - 2.1	5, 12	12.5 - 23.0	CE c US TÜV
FAD1-03010	30 x 30 x 10	1.18 x 0.39	2.2 - 4.0	5, 12	19.0 - 34.0	CE c US TÜV
FAD1-04010	40 x 40 x 10	1.57 x 0.39	3.3 - 7.0	5, 12, 24	14.0 - 29.0	CE c US TÜV
FAD1-04020	40 x 40 x 20	1.57 x 0.79	4.4 - 8.8	5, 12, 24	17.5 - 37.5	CE c US TÜV
FAD1-05010	50 x 50 x 10	2.0 x 0.39	8.0 - 10.3	5, 12, 24	20.0 - 27.5	CE c US TÜV
FAD1-06020	60 x 60 x 20	2.36 x 0.79	10.7 - 23.5	5, 12, 24	18.4 - 39.0	CE c US TÜV
FAD1-06025	60 x 60 x 25	2.26 x 1.0	13.2 - 31.4	5, 12, 24	18.1 - 42.9	CE c US TÜV
FAD1-08015	80 x 80 x 15	3.15 x 0.59	21.8 - 34.3	5, 12, 24	18.8 - 38.1	CE c US TÜV
FAD1-08025	80 x 80 x 25	3.15 x 1.00	20.5 - 43.2	12, 24	16.5 - 37.4	CE c US TÜV
FAD1-08025 IC	80 x 80 x 25	3.15 x 1.00	21.6 - 56.7	12, 24	14.0 - 43.4	CE c US TÜV
FAD1-08032	80 x 80 x 32	3.15 x 1.25	39.5 - 55.3	12, 24, 48	35.5 - 44.0	CE c US TÜV
FAD1-08038	80 x 80 x 38	3.15 x 1.5	30.6 - 62.1	12, 24	25.5 - 43.7	CE c US TÜV
FAD1-09225	92 x 92 x 25	3.62 x 1.0	30.3 - 61.9	12, 24	19.1 - 42.2	CE c US TÜV
FAD1-09225 IC	92 x 92 x 25	3.62 x 1.0	30.3 - 61.9	12, 24, 48	19.1 - 42.2	CE c US TÜV
FAD1-12025	120 x 120 x 75	4.7 x 1.0	57.2 - 98.9	12, 24, 48	27.2 - 43.3	CE c US TÜV
FAD1-12032	120 x 120 x 32	4.7 x 1.25	59.4 - 133.4	12, 24, 48	26.9 - 48.4	CE c US TÜV
FAD1-12038	120 x 120 x 38	4.7 x 1.5	57.2 - 120.1	12, 24, 48	28.4 - 48.0	CE c US TÜV
FAD1-12738	127 x 127 x 38	5.0 x 1.5	107 - 242	12, 24, 48	41.0 - 64.5	CE c US TÜV

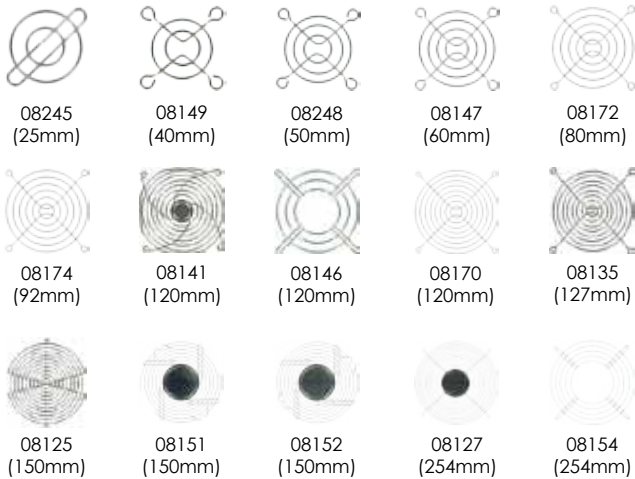
FAN ACCESSORIES



Qualtek, the world leader in fan accessories, offers a complete line of wire form fan guards, plastic fan guards, plastic fan filter assemblies, fan vibration reducing sleeves, aluminum fan filters, and fan power cords with excellent quality and competitive prices. Custom designs are available upon request.

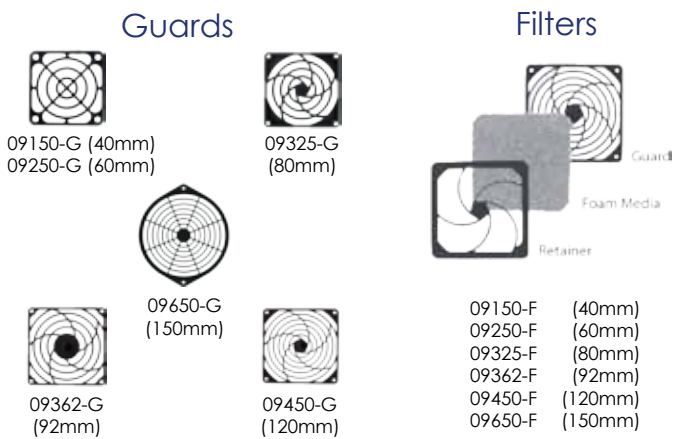
WIRE FORM FAN GUARDS

All wire form fan guards are produced in our ISO 9001 certified facility to assure compliance to our rigid specifications. Available for fan sizes 25mm to 254mm with a high quality nickel chrome finish as our standard. Also available in black finish.



PLASTIC FAN GUARDS AND FILTERS

Low cost plastic fan guards which are designed for axial fans to maximize airflow with reduced noise levels. Qualtek offers a unique fan filter package consisting of a guard, foam filter media and media retainer for the removal of dust and contaminating particles with quick and simple installation. 30, 45, 60 and 100 ppi media are standard.



METAL FAN FILTERS AND FAN SILENCER

All mesh filters provide maximum airflow with effective filtering. Mill, irridite and stainless steel finishes are offered to enhance EMI/RFI shielding as well as an anodized finish for esthetic purposes. Fan Silencers are composed of TPE (Thermoplastic elastomer) and eliminate the transmission of vibration from the fan to the housing reducing noise up to 9dB.

Metal Filters



Fan Silencer



- QLM-40-20-10 (40mm)
- QLM-60-30-10 (60mm)
- QLM-80-40-10 (80mm)
- QLM-92-40-10 (92mm)
- QLM-119-40-10 (120mm)

FAN CORDS

There are four configurations of high quality fan power cords designed to be used with tubeaxial fans. UL and cUL rated at 10A / 125V volts with a strain relief for added safety, special configurations such as daisy chain, special length, color and a power plug are available. Standard Lengths are 12, 24, 36, 40, 50, 60, 72, 80 inch and custom sizes are available.



PRODUCT PROFILE



AC & DC Fans

Fan Accessories

A complete line of low cost AC & DC tubeaxial fans are produced in high tech facilities assuring high quality standards with large production capabilities. AC fans are offered from 60mm to 280mm and DC fans from 20mm to 254mm.



AC Receptacles

Primary Power Components Division

A complete line of inlets, outlets, multifunction modules, circuit breakers, voltage selector switches and switches have the major international approval marks thus assuring high safety standards. Our Power Components help customers comply with international regulations. Modern production methods enable us to manufacture cost-effective and reliable components. A full range of products are maintained in inventory for quick on-time deliveries. Custom designs are available upon request.



Cable Assemblies

Wire, Cable & Interconnect

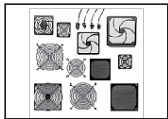
Offering a complete range of new designs and configurations to its extensive line of cable assembly products. Products include Adapters, Flat Ribbon Cable, IEEE Cables, DVI, HDMI, USB, Monitor Cables, OEM Cables and Networking Cables.



EMI Power Line Filters

Primary Power Components Division

EMI/RFI power line filters are designed to meet most international safety agency requirements. These filters help customers meet FCC and VDE emission standards. Our line consists of many standard configurations such as block type, filter with power line connector, and various filters with multifunctional modules. Custom designs are available upon request.



Fan Accessories

Fan Accessories

A complete line of accessories for tubeaxial fans consisting of wire form fan guards, plastic fan guards, plastic fan filter assemblies, aluminum fan filters and fan power cords with excellent quality and competitive prices. Our accessories are designed to comply with international safety agency regulations to insure a safe and durable product. Custom designs are available upon request.



Heat Shrink Products

Wire, Cable & Interconnect

Heat shrinkable products include: Polyolefin, Silicon, Fiberglass, Teflon, Viton®, Kynar®, Halogen-Free and high temp tubing. It is available in different sizes, colors and materials. Qualtek heat shrink tubing products are produced by cross-linking extruded polymer compounds which produces a shape memory effect and when heated, can be recovered into its original shape.



Power Cords & Cord Sets

Primary Power Components Division

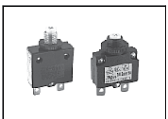
A comprehensive selection of power cords and cordsets in 2 and 3 conductor styles with various insulations, voltage ratings, colors, lengths, plugs, connectors, and shielding. We have one of the largest selections of male plugs and female connectors in the industry plus offer a full line of hospital grade and internationally certified power cords. Special power cords and strain relief configurations are available upon request.



Power Supplies

Primary Power Components Division

Qualtek offers a wide range of AC/DC, DC/DC converters and LED power supplies. Qualtek power supplies are available in enclosed frame, open frame, L bracket, U bracket, external desktop, wall mounted, on board module and din rail. Our power supplies are offered in compact designs to comply with safety agency regulations and are available with power factor correction and multiple outputs.



Thermal Circuit Breakers

Primary Power Components Division

A diverse range of thermal circuit breakers. Qualtek's QLB and QMB series are compact and cost effective. The single pole, push to reset circuit breakers are designed to protect equipment. They are available in a variety of amp ratings from 3 - 40 amps.



Wiring Devices

Primary Power Components Division

A wide range of Nema straight blade and twist-locking wiring device configurations available in plugs, connectors and receptacles with amp ratings of 15A, 20A & 30A. Industrial grade devices for rugged applications are designed for easy installation and UL listed with the highest regard for safety.



International Procurement Services

International Procurement Services

The Qualtek Group is a global network with offices in China, Hong Kong, Mexico, Philippines, Taiwan and the USA with the resources and expertise to provide a complete range of offshore services from component sourcing to complete turnkey projects. We have locations in major manufacturing regions in the world; thus enabling us to have immediate access to the benefits of the newest technology, highest quality products and most cost effective production methods.



Qualtek Electronics Corporation

7675 Jenther Dr. * Mentor, Ohio 44060 * USA

Telephone: 1-440-951-3300 * Fax: 1-440-951-7252

E-mail: mailbox@qualtekusa.com * Web: www.Qualtekusa.com



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