

COMPACT AXIAL FANS



INDUSTRY STANDARDS

UL Component Recognized

CSA certified

APPLICATION

Compact Cooling Fans are ideal for applications where enclosure space is limited and quiet, reliable cooling is required. Engineered for 50,000 hours of continuous operation without lubrication or service.

Installation

Can be installed on any surface of an enclosure. With the addition of accessory fan brackets, Compact Cooling Fans can also be installed in any position inside the enclosure for spot cooling or air circulation.

FEATURES

- Maximum operating temperature is 158 F (70 C)
- 4-in. fan is thermally protected and uses permanently lubricated ball bearings
- 6- and 10-in. fans have ball-bearing construction and split-capacitor motors

- Split-capacitor motors are thermally protected to avoid premature failure
- Dynamically balanced impellers molded from polycarbonate material
- One finger guard is furnished (additional finger guards are available)
- All mounting hardware is provided
- 240 and 560 CFM fans have ball bearing construction and split capacitor motors
- Fans have leadwires with ends stripped 1/2-in. (12-mm) or 6-ft. (1.8-m) cord with polarized plug for power connections

Fan bracket and additional finger guards must be purchased separately

FINISH

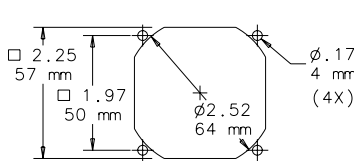
- Fan housing is black.

ACCESSORIES

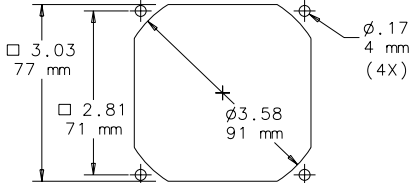
Fan Power Cords
Fan Brackets
Finger Guards
Temperature Control Switch

Design Data **Compact Axial Fans**

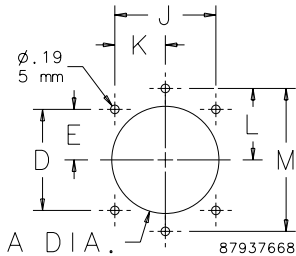
CATALOG NUMBERS	Nominal Size	Voltage	A in./mm	D in./mm	E in./mm	J in./mm	K in./mm	L in./mm	M in./mm
A2AXFN24	2	24 VDC	—	1.97/50	.98/25	1.97/50	.98/25	—	—
3-in. Fans									
A3AXFN	3	115 VAC	—	2.81/71	1.40/36	2.81/71	1.40/36	—	—
A3AXFN24	3	24 VDC	—	2.81/71	1.40/36	2.81/71	1.40/36	—	—
4-in. Fans									
A4AXFNGQ	4	115 VAC	4.62/117	4.12/105	2.06/52	4.12/105	2.06/52	—	—
A4AXFNPG	4	115 VAC	4.62/117	4.12/105	2.06/52	4.12/105	2.06/52	—	—
A4AXFN	4	115 VAC	4.62/117	4.12/105	2.06/52	4.12/105	2.06/52	—	—
A4AXFN2	4	230 VAC	4.62/117	4.12/105	2.06/52	4.12/105	2.06/52	—	—
A4AXFN24	4	24 VDC	4.62/117	4.12/105	2.06/52	4.12/105	2.06/52	—	—
6-in. Fans									
A6AXFNGQ	6	115 VAC	5.88/149	—	—	—	—	3.19/81	6.38/162
A6AXFNPG	6	115 VAC	5.88/149	—	—	—	—	3.19/81	6.38/162
A6AXFN	6	115 VAC	5.88/149	—	—	—	—	3.19/81	6.38/162
A6AXFN2	6	230 VAC	5.88/149	—	—	—	—	3.19/81	6.38/162
A6AXFN24	6	24 VDC	5.88/149	—	—	—	—	3.19/81	6.38/162
10-in. Fans									
A10AXFNPG	10	115 VAC	9.00/229	6.88/175	3.44/87	6.88/175	3.44/87	—	—
A10AXFN	10	115 VAC	9.00/229	6.88/175	3.44/87	6.88/175	3.44/87	—	—
A10AXFN2	10	230 VAC	9.00/229	6.88/175	3.44/87	6.88/175	3.44/87	—	—



MOUNTING CUTOUT
DIMENSIONS 2 INCH



MOUNTING CUTOUT
DIMENSIONS 3 INCH



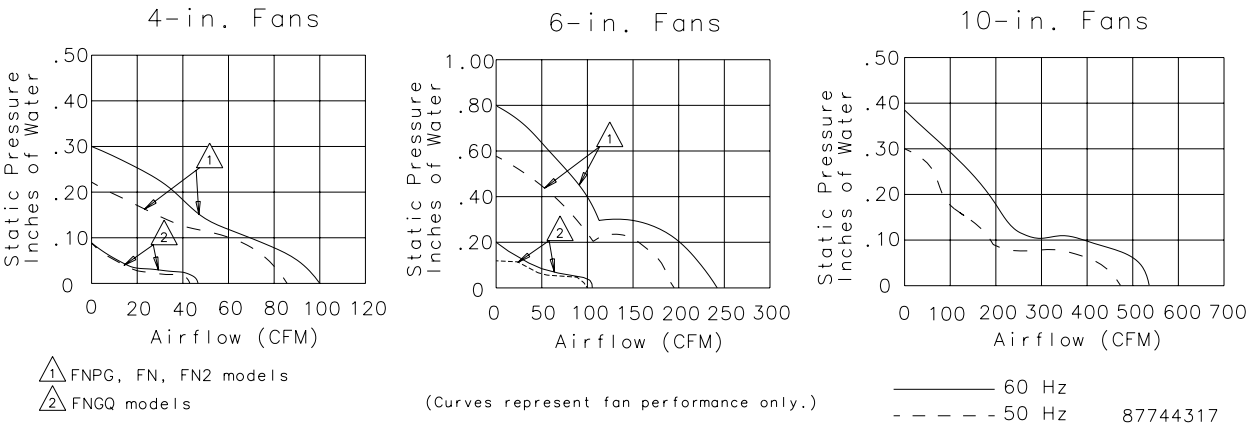
MOUNTING CUTOUT
DIMENSIONS 4, 6, 10 INCH

Performance Data Compact Axial Fans
ELECTRICAL DATA

Rated Voltage	24 VDC	115 VAC Lead Wires	115 VAC Power Cord Quiet Fan	115 VAC Power Cord	230 VAC Lead Wires
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Power Connection	Lead Wires	Lead Wires	Power Cord	Power Cord	Lead Wires
2 inch Nominal-Size Fans					
Catalog Number	A2AXFN24	—	—	—	—
Nominal Current Maximum @50/60 Hz (Amps)	.09	—	—	—	—
Power Consumption Maximum @ 50/60 Hz (Watts)	2.16	—	—	—	—
Free Airflow @ 50/60 Hz (CFM)*	21.5	—	—	—	—
Free Airflow @ 50/60 Hz (m ³ /hr.)*	36.5	—	—	—	—
Noise SIL @ 50/60 Hz (dBA)	65	—	—	—	—
Maximum RPM @50/60 Hz (RPM)	4550	—	—	—	—
Fan Size Diameter (in.)	2.36	—	—	—	—
Fan Depth (in.)	.98	—	—	—	—
3 inch Nominal-Size Fans					
Catalog Number	A3AXFN24	A3AXFN	—	—	—
Nominal Current Maximum @50/60 Hz (Amps)	.14	.09	—	—	—
Power Consumption Maximum @ 50/60 Hz (Watts)	3.36	7	—	—	—
Free Airflow @ 50/60 Hz (CFM)*	40	27	—	—	—
Free Airflow @ 50/60 Hz (m ³ /hr.)*	68	46	—	—	—
Noise SIL @ 50/60 Hz (dBA)	35	40	—	—	—
Maximum RPM @50/60 Hz (RPM)	3400	2700	—	—	—
Fan Size Diameter (in.)	3.15	3.15	—	—	—
Fan Depth (in.)	.98	1.50	—	—	—
4 inch Nominal-Size Fans					
Catalog Number	A4AXFN24	A4AXFN	A4AXFNGQ	A4AXFNPG	A4AXFN2
Nominal Current Maximum @50/60 Hz (Amps)	.35	.26/.21	.09/.08	.26/.21	.14/.11
Power Consumption Maximum @ 50/60 Hz (Watts)	84	17/15	6/5	17/15	16/14
Free Airflow @ 50/60 Hz (CFM)*	118	85/100	46/49	85/100	85/100
Free Airflow @ 50/60 Hz (m ³ /hr.)*	200	144/170	78/83	144/170	144/170
Noise SIL @ 50/60 Hz (dBA)	46.5	37/41	27/28	37/41	37/41
Maximum RPM @50/60 Hz (RPM)	3200	2415/2900	1350/1450	2415/2900	2415/2900
Fan Size Diameter (in.)	4.69	4.69	4.69	4.69	4.69
Fan Depth (in.)	1.52	1.52	1.52	1.52	1.52
6 inch Nominal-Size Fans					
Catalog Number	A6AXFN24	A6AXFN	A6AXFNGQ	A6AXFNPG	A6AXFN2
Nominal Current Maximum @50/60 Hz (Amps)	.88	.45/.36	.16/.19	.45/.36	.23/.18
Power Consumption Maximum @ 50/60 Hz (Watts)	21.1	36/32	16/18	36/32	39/35
Free Airflow @ 50/60 Hz (CFM)*	280	200/240	85/102	200/240	200/240
Free Airflow @ 50/60 Hz (m ³ /hr.)*	476	340/408	144/173	340/408	340/408
Noise SIL @ 50/60 Hz (dBA)	62.5	50/56	35/38	50/56	50/56
Maximum RPM @50/60 Hz (RPM)	3750	2670/3200	1400/1650	2670/3200	2670/3200
Fan Size Diameter (in.)	6.77	6.77	6.77	6.77	6.77
Fan Depth (in.)	2.00	1.50	1.50	1.50	1.50
10 inch Nominal-Size Fans					
Catalog Number	—	A10AXFN	—	A10AXFNPG	A10AXFN2
Nominal Current Maximum @50/60 Hz (Amps)	—	1.0/.88	—	1.0/.88	.47/.43
Power Consumption Maximum @ 50/60 Hz (Watts)	—	36/36	—	36/36	36/36
Free Airflow @ 50/60 Hz (CFM)*	—	480/560	—	480/560	480/560
Free Airflow @ 50/60 Hz (m ³ /hr.)*	—	816/951	—	816/951	816/951
Noise SIL @ 50/60 Hz (dBA)	—	46/49	—	46/49	46/49
Maximum RPM @50/60 Hz (RPM)	—	1350/1650	—	1350/1650	1350/1650
Fan Size Diameter (in.)	—	10.00	—	10.00	10.00
Fan Depth (in.)	—	3.50	—	3.50	3.50

* CFM without exhaust grille

Performance Curves for Compact Axial Fans



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