

COMPACT COOLING 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

Fan bracket and additional finger guards must be purchased separately

- 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

Consult your local Hoffman sales office for information on modifications to this product

FINISH

Fan housing is black.

ACCESSORIES

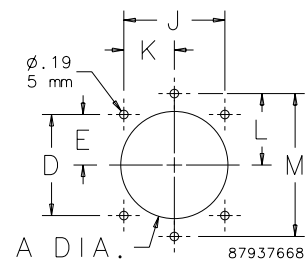
Fan Brackets
Finger Guards
Temperature Control Switch

BULLETIN: D85

Standard Product and Cutout Dimensions

Catalog Number	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	—	—
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	—	—
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	—	—
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
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	—	—

CFM without exhaust grille



MOUNTING CUTOUT
DIMENSIONS 4,6,10 INCH

FAN CORDS WITH INLINE THERMOSTAT



Use to power 110-120 VAC Compact Cooling Fans; replaces existing supplied power cord. Fan cord includes inline thermostat. The cord automatically activates up to two fans. Fan(s) will turn on when the inline thermostat reaches 85F (30C). Fan(s) will run only when temperature is above 85F (30C).

BULLETIN: DTHRM

Catalog Number	Description	Fan activation temperature	Voltage	Amps
ACORD2T	Two-connector fan power cord with inline thermostat	85 F (30 C)	110-120 VAC	10 amps max.

FAN FILTER AND FINGER GUARD KIT

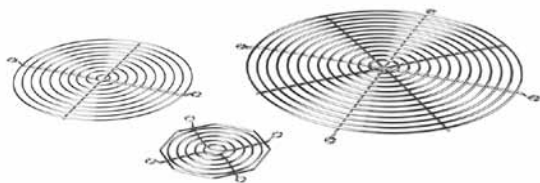


Low-density filter kit for 4-in. (102-mm) and 6-in. (152-mm) fans. Can also be used as vent. Filter is removable and can be cleaned and reused. Mounting hardware included.

BULLETIN: DTHRM, DWS1

Catalog Number	Description	Fits
AFLTR4LD	Fan Filter and Finger Guard Kit	4-in. fans
AFLTR6LD	Fan Filter and Finger Guard Kit	6-in. fans

FINGER GUARDS



One finger guard is included with each Compact Cooling Fan and Cooling Fan Package. Additional Finger Guards can be mounted on either side of the fan for maximum safety. All guards are chrome-plated and meet UL 507 .25-in. plug gauge test.

BULLETIN: D85

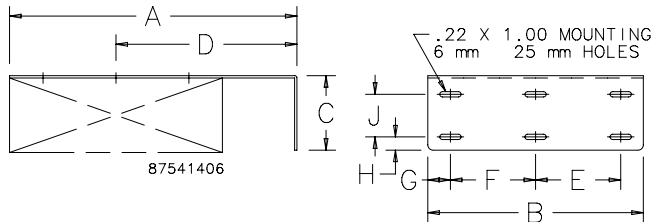
Catalog Number	Use on Compact Cooling Fan Catalog Numbers
AGARD2	A2AXFN24
AGARD3	A3AXFN, A3AXFN24
AGARD4	A4AXFNPG, A4AXFNGQ, A4AXFN, A4AXFN2
AGARD6	A6AXFNPG, A6AXFNGQ, A6AXFN, A6AXFN2
AGARD10	A10AXFNPG, A10AXFNQR, A10AXFN, A10AXFN2

FAN BRACKETS



Designed to provide easy mounting of Hoffman cooling fans on enclosure panels. Brackets can be used for general air circulation or to direct air at problem areas. All sizes are .100-in. aluminum. Package quantity of 1 bracket. Fans must be ordered separately.

BULLETIN: D85



Catalog Number	AxBxC in./mm	Used with Fan Catalog Number	D in./mm	E in./mm	F in./mm	G in./mm	H in./mm	J in./mm
ABRKT2	3.75 x 2.75 x 1.50 95 x 70 x 38	A2AXFN24	2.38 60	— —	1.75 44	.50 13	.37 9	.62 16
ABRKT3	4.50 x 3.50 x 1.50 114 x 89 x 38	A3AXFN, A3AXFN24	2.75 70	— —	2.50 64	.50 13	.37 9	.62 16
ABRKT4	6.00 x 5.00 x 1.50 152 x 127 x 38	A4AXFNPG, A4AXFNGQ, A4AXFN, or A4AXFN2	3.50 89	— —	3.00 76	1.00 25	.38 10	.62 16
ABRKT6	10.00 x 6.88 x 2.00 254 x 175 x 51	A6AXFNPG, A6AXFNGQ, A6AXFN, or A6AXFN2	6.50 51	— —	5.00 127	.94 24	.38 10	1.00 25
ABRKT10	13.50 x 10.12 x 3.50 343 x 257 x 89	A10AXFNPG, A10AXFNGQ, A10AXFN, or A10AXFN2	8.50 216	4.00 102	4.00 102	1.06 27	.62 16	2.00 51

TEMPERATURE CONTROL SWITCHES



INDUSTRY STANDARDS

cURus; File No. E164102
UL94-V0

Protection rating IEC IP30
CSA Certified, File Number 215952
CE

APPLICATION

These easy-to-install thermostats regulate and monitor air temperature in enclosures that contain heat-emitting equipment. Thermostats prolong heater and fan life expectancy by controlling operation time and increase electrical component working efficiency by exposing them to fewer environmental contaminants.

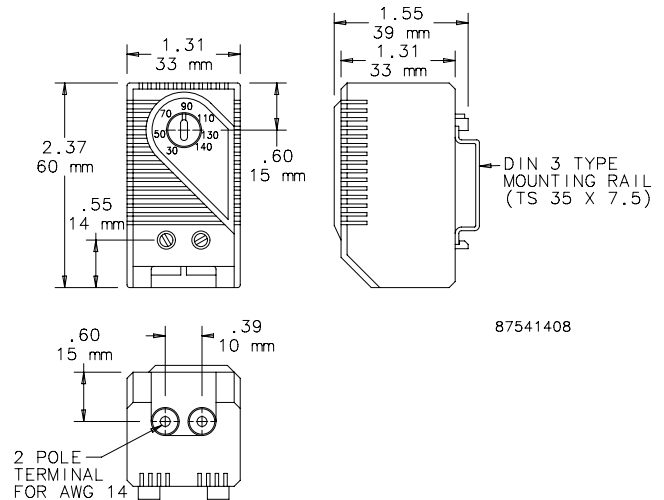
FEATURES

- Additional label for conversion to Celsius scale and blank label to cover set point range label when adjustment after initial setting is not desired are included
- Bimetal temperature sensor
- Plastic housing
- Connections consist of tubular screw terminals for AWG 14 (.04 sq. in.)
- Provision for both panel mounting and DIN rail mounting

FINISH

Molded plastic housing is black

BULLETIN: D85



Standard Product

Catalog Number	Contact Type	Control Application
ATEMNC	NC (normally closed), quick acting	Heater
ATEMNO	NO (normally open), quick acting	Fan

Switching Capacity

Load	Amps
Maximum load	15 A resistive / 2 A inductive @ 120 VAC 10 A resistive / 2 A inductive @ 250 VAC DC 30 W
Minimum load	20 mA (all voltages)