



AIR CONDITIONING PRODUCTS CO.
 QUALITY PRODUCTS FOR AIR MOVEMENT EQUIPMENT

ALUMINUM MOTORIZED HAT CHANNEL DAMPER MODEL ACD

Extruded Aluminum motorized volume control damper with a hat channel frame. It can be used for exhaust or supply applications and can be mounted in either a vertical or horizontal position. The damper comes standard with blade and jamb seals and an internally mounted 100-240 volt single phase motor with an end switch.

STANDARD CONSTRUCTION:

FRAME

- 5" x 1" x .100" thick Extruded Aluminum Hat Channel.

BLADES

- 7" wide maximum x .080" thick Extruded Aluminum. Parallel Blade Action.

SEALS

- Blade – Extruded TPV (-70 deg. F to +280 deg. F).
- Jamb – Stainless Steel.

TIE ROD

- On-Blade Type.

BUSHINGS

- Nylon.

AXLES

- Plated Steel.

MOTOR

- 100 - 240 VAC, 50/60 Hz internally mounted motor

FINISH

- Mill.

MINIMUM SIZE

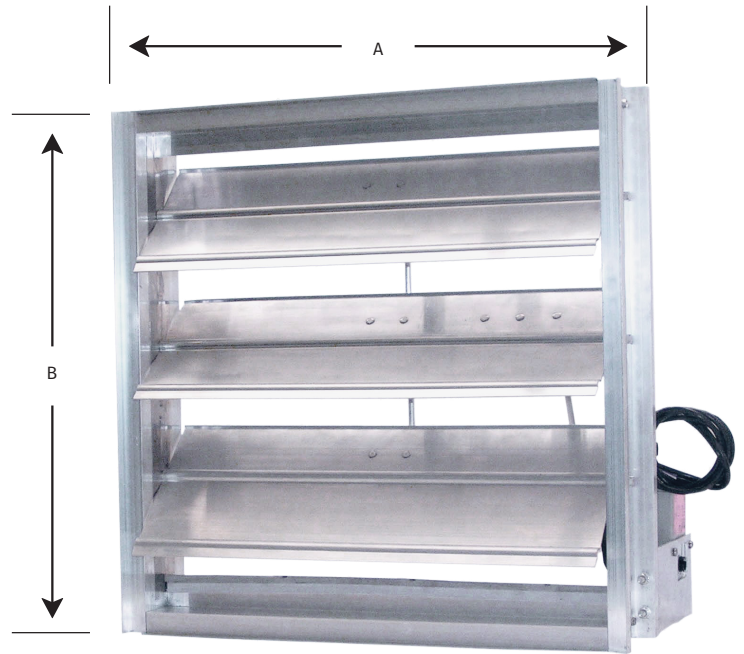
- 8" W x 8" H

MAXIMUM SIZE

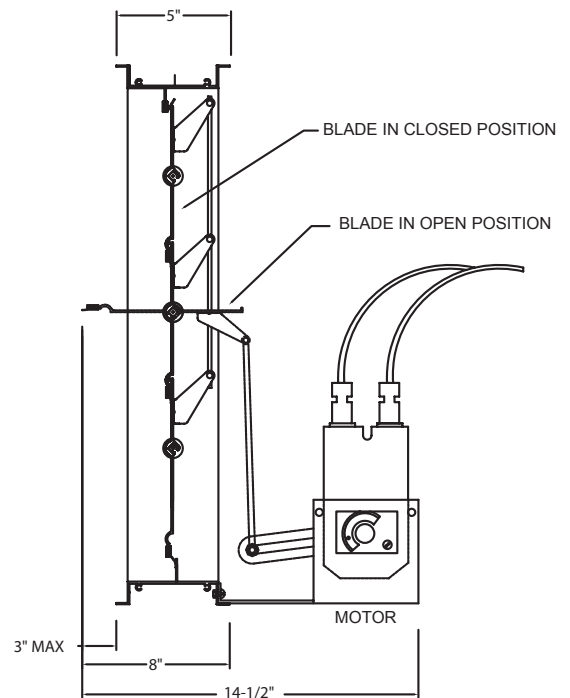
- 48" W x 60" H

PERFORMANCE CRITERIA:

- 3500 fpm Maximum Velocity.
- 4" wg Maximum Pressure.
- 122 Degree Maximum Temperature.



FRONT VIEW



SIDE VIEW

MODEL ACD

OPTIONS *(at additional cost)*

- Custom Sizes
- Optional Motors

MOTOR SPECS:

DAMPER SIZES	MOTOR MANUFACTURER	MODEL NUMBER	POWER SUPPLY REQUIRED	MOTOR TYPE	TEMPERATURE RANGE
STANDARD:					
up to 48" x 48"	Belimo	TFB120-S DAY	100-240 VAC 50/60 Hz	2 Position Spring Return	-22° to 122° F
48"x48" to 48"x60"	Belimo	NFBUP-S	24-240 VAC 50/60 Hz	2 Position Spring Return	-22° to 122° F
OPTIONAL:					
up to 48" x 48"	Belimo	TF24-SR(-S)	24 V, 50/60 Hz	Modulating	-22° to 122° F
48"x48" to 48"x60"	Belimo	NFB24-SR(-S)	24 V, 50/60 Hz	Modulating	-22° to 122° F
48"x48" to 48"x60"	Belimo	AFBUP(-S)	24-240 VAC 50/60 Hz	2 Position Spring Return	-22° to 122° F

STANDARD SIZES:

PART NO:	OVERALL FRAME DIMENSION (Width x Height)	FACE AREA (SQ. FT.)	EST. FREE AREA (SQ. FT.)	EST. SHIPPING WEIGHT
ACD 12"	11.75" x 11.75"	0.96	0.37	5.0
ACD 16"	15.75" x 15.75"	1.73	1.05	7.0
ACD 20"	19.75" x 19.75"	2.71	2.13	10.5
ACD 24"	23.75" x 23.75"	3.92	3.17	13.0
ACD 30"	29.75" x 29.75"	6.15	5.11	18.5
ACD 36"	35.75" x 35.75"	8.88	7.56	25.0
ACD 42"	41.75" x 41.75"	12.11	10.49	34.0
ACD 48"	47.75" x 47.75"	15.84	13.90	42.0

Note: Dimensions are approximate due to normal tolerances in the manufacturing process.

*Estimated Free Area calculation is based upon the following formula:
MD[A+B+ (N x C)]/144.*

Free Area x FPM = CFM; actual performance may vary.

For detailed information on our Limited Warranty Policy, please visit www.acpshutters.com, or call (734) 326-0050.