



**AIR CONDITIONING PRODUCTS CO.**  
 QUALITY PRODUCTS FOR AIR MOVEMENT EQUIPMENT

# ALUMINUM MOTORIZED DAMPER

## MODEL AMD-SP

Heavy Duty Extruded Aluminum motorized damper with a 1-1/2" flanged 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 an internally mounted 100-240 volt single phase motor with an end switch.

### STANDARD CONSTRUCTION:

#### FRAME

- 2" deep x 1-1/2" flanged x .125" thick Extruded Aluminum.

#### BLADES

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

#### SEALS

- Stainless Steel Jamb Seals.

#### TIE ROD

- .125" thick Aluminum tie rods and blade clips. On-blade type.

#### BUSHINGS

- Nylon.

#### AXLES

- Aluminum

#### MOTOR

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

#### CONSTRUCTION

- Welded frames.

#### FINISH

- Mill.

#### MINIMUM SIZE

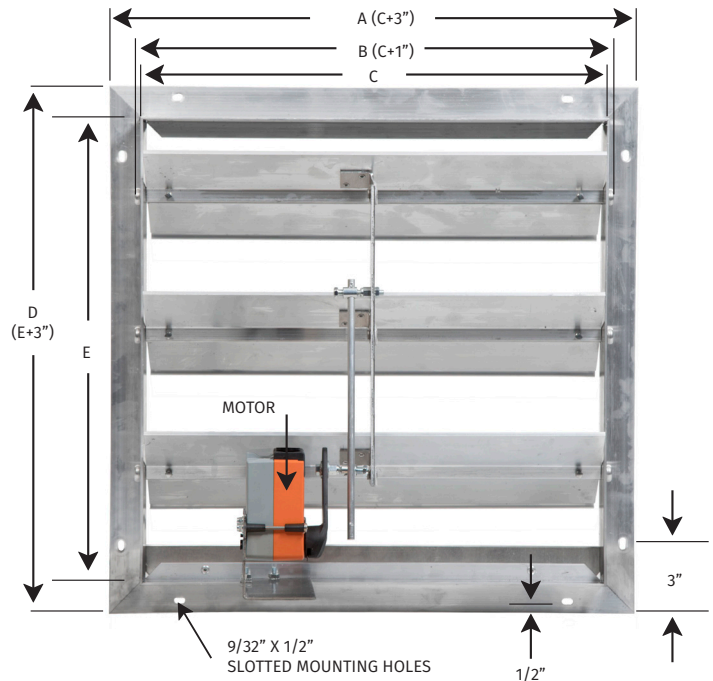
- 12" W x 12" H

#### MAXIMUM SIZE

- 49" W x 49" H

#### PERFORMANCE CRITERIA:

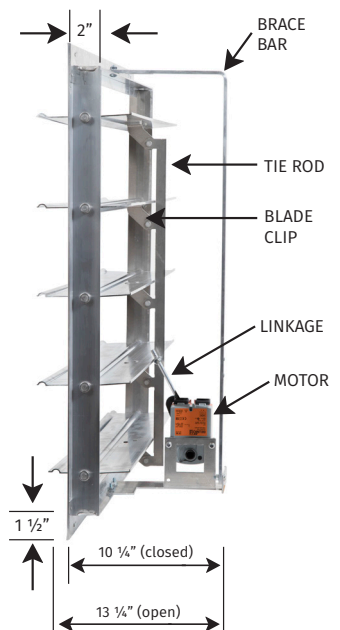
- 3500 fpm Maximum Velocity.
- 4" wg Maximum Pressure.
- 122 Degree Maximum Temperature.



**REAR VIEW**



**SIDE VIEW  
(12" to 24")**



**SIDE VIEW  
(25" to 49")**

# MODEL AMD-SP

## OPTIONS *(at additional cost)*

- Custom Sizes
- Blade Seals
- Optional Motors

## MOTOR SPECS:

DAMPER SIZES	MOTOR MANUFACTURER	MODEL NUMBER	POWER SUPPLY REQUIRED	MOTOR TYPE	TEMPERATURE RANGE
<b>STANDARD:</b>					
12" X 12" to 49" x 49"	Belimo	TFB120-S DAY	100-240 VAC 50/60 Hz	2 Position Spring Return	-22° to 122° F
<b>OPTIONAL:</b>					
All Sizes	Belimo	TF24-SR(-S)	24 V, 50/60 Hz	Modulating	-22° to 122° F

## STANDARD SIZES:

PART NO:	OVERALL (A&D) FRAME DIMENSION (Width x Height)	INSIDE (C&E) FRAME DIMENSION (Width x Height)	REQUIRED (B) HOLE OPENING (Width x Height)	FACE AREA (SQ. FT.)	EST. FREE AREA (SQ. FT.)	EST. SHIPPING WEIGHT
AMD 12"	15" x 15"	12" x 12"	13" x 13"	1.00	0.84	10
AMD 16"	19" x 19"	16" x 16"	17" x 17"	1.78	1.67	12
AMD 20"	23" x 23"	20" x 20"	21" x 21"	2.78	2.05	15
AMD 24"	27" x 27"	24" x 24"	25" x 25"	4.00	3.59	17
AMD 30"	33" x 33"	30" x 30"	31" x 31"	6.25	5.68	36
AMD 36"	39" x 39"	36" x 36"	37" x 37"	9.00	8.25	47
AMD 42"	45" x 45"	42" x 42"	43" x 43"	12.25	11.31	55
AMD 48"	51" x 51"	48" x 48"	49" x 49"	16.00	14.84	67

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

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

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

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