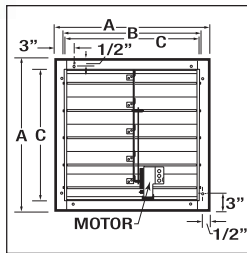




**Double-Panel, Front View 3C732**



## Motorized Dampers

- Exhaust or supply
- Mount: horizontal or vertical
- Max. velocity: 3500 fpm
- Motor includes end switch

Stainless steel jamb seals help minimize light, air, and moisture. Feature center-pivoting louvers for a full 90° opening. Flanged frames for flush mounting to exterior or interior surfaces. Prepunched mounting holes. Welded-corner construction and factory-installed motors. Mill-finish extruded aluminum models have 0.125"-thick frames, and 0.08"-thick louvers. G-90 galvanized steel models have 14-ga. frames, 16-ga. louvers.

For Fan Dia.	Volts 50/60 Hz	Overall Square A	Sq. Opening Req.	Frame Less Flange	Free Area	Motor Bracket Extension*	EXTRUDED ALUMINUM DAMPERS Item No.	G-90 GALVANIZED STEEL DAMPERS Item No.
<b>Single Panel, Power Open, Spring Return</b>								
12 in	100 to 240	15 in	13 in	12 sq in	0.835 sq ft	6 1/2 in	3HPH4	3HPH3
16 in	100 to 240	19 in	17 in	16 sq in	1.75 sq ft	6 1/2 in	4C560	3C725
20 in	100 to 240	23 in	21 in	20 sq in	2.053 sq ft	6 1/2 in	4C561	3C726
24 in	100 to 240	27 in	25 in	24 sq in	3.585 sq ft	6 1/2 in	3C315	3C727
30 in	100 to 240	33 in	31 in	30 sq in	5.679 sq ft	10 1/4 in	3C234	3C728
36 in	100 to 240	39 in	37 in	36 sq in	8.252 sq ft	10 1/4 in	3C131	3C729
42 in	100 to 240	45 in	43 in	42 sq in	11.305 sq ft	10 1/4 in	3C235	3C730
48 in	100 to 240	51 in	49 in	48 sq in	14.836 sq ft	10 1/4 in	3C132	3C731
<b>Double Panel, Power Open, Spring Return</b>								
54 in	24 to 240	57 in	55 in	54 sq in	18.827 sq ft	10 1/4 in	3C188	3C732
60 in	24 to 240	63 in	61 in	60 sq in	23.314 sq ft	10 1/4 in	3C189	3C733

\* From damper frame to end of bracket.

## Motorized Volume-Control Channel-Style Dampers

- 100 to 240V
- 50/60 Hz with end switch
- Exhaust or supply
- Mount: horizontal or vertical
- Max. velocity: 3500 fpm

Regulate airflow in medium- and low-pressure commercial applications. TPV louver seals and stainless steel jambs minimize leakage. Channel frames for installations inside walls or ductwork.

Actuator is internally installed. Mill-finish extruded aluminum frame is 5" deep x 0.1" thick and louvers are 0.08" thick. Plated steel linkage and pivot pins.

Overall Square	Sq. Opening Req.	Free Area	Motor Bracket Extension*	Item No.
<b>Single Panel, Power Open, Spring Return</b>				
11 1/4 in	12 in	0.372 sq ft	11 1/2 in	5NKK1
15 1/4 in	16 in	1.05 sq ft	11 1/2 in	5NKK2
19 1/4 in	20 in	2.126 sq ft	11 1/2 in	5NKK3
23 1/4 in	24 in	3.172 sq ft	11 1/2 in	5NKK4
29 1/4 in	30 in	5.107 sq ft	11 1/2 in	5NKK5
35 1/4 in	36 in	7.559 sq ft	11 1/2 in	5NKK6
41 1/4 in	42 in	10.49 sq ft	11 1/2 in	5NKK7
47 1/4 in	48 in	13.9 sq ft	11 1/2 in	5NKK8

\* From damper frame to end of bracket.



5NKK1

## Backdraft Dampers

For belt-drive centrifugal roof and wall ventilators. Max. velocity: 2000 fpm for models up to 19" and no-flange, 2250 fpm for 23" and larger.

**WARNING:** Not for use with kitchen exhaust applications.

### ROOF-MOUNT

G-90 galvanized steel frame, 2" deep with 1" flange. Aluminum louvers, stainless steel pivot pins, nylon bushings, and felted edge. Prepunched conduit hole knockout.

### WALL-MOUNT

16-ga. mill-finish extruded aluminum frame, 1 1/2" deep with 1 3/8" flange. Mill-finish aluminum louvers have galvanized steel reinforcement strip. Spring close for positive seal.

### NO FLANGE, HORIZONTAL/VERTICAL MOUNT

For use in roof curbs, ductwork, and wall collars when using a fan or power roof ventilator. G-90 galvanized frame is 2" deep. Mill-finish aluminum louvers. Stainless steel pivot pins and rivets, and nylon bushings. Prepunched conduit knockout.

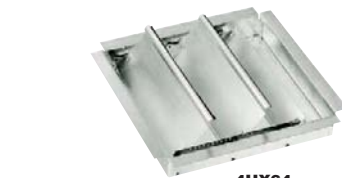
Note: Models over 30" are horizontal-mount only.

### OPTIONAL SHUTTER MOTORS

Motor packs expand options where standard 120/240 line voltage is not available. 60 Hz, 1-phase motors simplify installation by eliminating the need for transformers or other adaptations. Not for use with 8" roof curbs.

Damper Size (in.)	Overall Size (in.)	Item No.
<b>Roof-Mount, Exhaust Backdraft Dampers</b>		
9 1/2 x 9 1/2	11 1/2 x 11 1/2	3T250
12 x 12	14 x 14	4HX64
15 x 15	17 x 17	4HX65
19 x 19	21 x 21	4HX66
23 x 23	25 x 25	4HX67
27 x 27	29 x 29	4HX68
35 x 35	37 x 37	4HX69
39 x 39	41 x 41	4HX70
50 x 50	52 x 52	4HX71
<b>Wall-Mount, Supply Backdraft Dampers</b>		
8 x 8	10 3/4 x 10 3/4	4HX72
10 x 10	12 3/4 x 12 3/4	4HX73
11 x 11	13 3/4 x 13 3/4	4HX33
12 x 12	14 3/4 x 14 3/4	4HX74
13 x 13	15 3/4 x 15 3/4	4HX75
14 x 14	16 3/4 x 16 3/4	4HX76
15 x 15	17 3/4 x 17 3/4	4HX77
17 x 17	19 3/4 x 19 3/4	5NKN4
20 x 20	22 3/4 x 22 3/4	5NKN5
25 x 25	27 3/4 x 27 3/4	5NKN6
<b>No Flange, Horizontal or Vertical Mount Backdraft Exhaust Dampers</b>		
7 3/4 x 7 3/4	9 3/4 x 9 3/4	3HHL4
9 3/4 x 9 3/4	11 3/4 x 11 3/4	2FTW8
11 3/4 x 11 3/4	13 3/4 x 13 3/4	2FTX4
13 3/4 x 13 3/4	15 3/4 x 15 3/4	2FTX5
15 3/4 x 15 3/4	17 3/4 x 17 3/4	3HHL5
17 3/4 x 17 3/4	19 3/4 x 19 3/4	2FTU9
19 3/4 x 19 3/4	21 3/4 x 21 3/4	3HHL6
23 3/4 x 23 3/4	25 3/4 x 25 3/4	2FTV7
27 3/4 x 27 3/4	29 3/4 x 29 3/4	3HHL7
29 3/4 x 29 3/4	33 3/4 x 33 3/4	3HHL8
<b>No Flange, Horizontal Mount Backdraft Exhaust Dampers</b>		
33 3/4 x 33 3/4	35 3/4 x 35 3/4	3HHL9
35 3/4 x 35 3/4	37 3/4 x 37 3/4	3HHL1
39 3/4 x 39 3/4	41 3/4 x 41 3/4	3HHL2
41 3/4 x 41 3/4	43 3/4 x 43 3/4	6WRK7
47 3/4 x 47 3/4	49 3/4 x 49 3/4	3HHL3
49 3/4 x 49 3/4	51 3/4 x 51 3/4	6WRK8
55 3/4 x 55 3/4	57 3/4 x 57 3/4	5NKN7
59 3/4 x 59 3/4	61 3/4 x 61 3/4	5NKN8
61 3/4 x 61 3/4	63 3/4 x 63 3/4	6WRK9
63 3/4 x 63 3/4		5NKN9

Voltage	Amps	H (in.)	W (in.)	D (in.)	Item No.
<b>Optional Shutter Motors</b>					
24	1.02	8 1/2 (Installed)	4 1/2 in	7 1/4 in	2FTX6
120/240	0.20/0.14	8 1/2 in	4 1/2 in	7 1/4 in	24N066
208	0.11	8 1/2 (Installed)	4 1/2 in	7 1/4 in	2FTV1
460	0.11	8 1/2 (Installed)	4 1/2 in	7 1/4 in	2FTW4



4HX64



4HX73



2FTW8



Shutter Motor 2FTX6