



Ceiling/Roof-Mount Backdraft Dampers

- Mounting: horizontal
- Max. pressure: 1 in wc

Models can be installed horizontally onto openings in the ceiling or roof and help prevent backflow. They have spring-loaded blades that open when the HVAC system is running and close when it is not to keep conditioned air from flowing backward and leaving the occupied space.

Height	Width	Length	Maximum Air Velocity	Fits Fan Diameter	Free Area (sq ft)	Item No.
Galvanized Steel Frame with Aluminum Blade, 1 in Width Rear Flange						
11 1/2 in	11 1/2 in	4 1/2 in	2000 fpm	10 in	0.4	3TZ50
14 in	14 in	4 1/2 in	2000 fpm	12 in	0.7	4HX64
17 in	17 in	4 1/2 in	2000 fpm	12 in	1.1	4HX65
21 in	21 in	4 1/2 in	2000 fpm	18 in	1.9	4HX66
25 in	25 in	4 1/2 in	2250 fpm	20 in	2.9	4HX67
29 in	29 in	4 1/2 in	2250 fpm	24 in	4.1	4HX68
37 in	37 in	4 1/2 in	2250 fpm	36 in	7.1	4HX69
41 in	41 in	4 1/2 in	2250 fpm	36 in	8.9	4HX70
52 in	52 in	4 1/2 in	2250 fpm	48 in	15.4	4HX71
Aluminum Frame with Aluminum Blade, 1 1/2 in Width Reversed Flange						
26 in	32 in	—	1500 fpm	24 in	3.3	3C510
30 3/4 in	29 3/4 in	—	1500 fpm	24 in	4.4	4HA10
	35 7/8 in	—	1500 fpm	30 in	5.4	4HA11
32 in	32 in	—	1500 fpm	30 in	4.7	3C511
32 in	26 in	—	1500 fpm	24 in	4.7	3HHR6
35 in	32 in	—	1500 fpm	30 in	5.2	3HHR7
36 in	32 in	—	1500 fpm	36 in	6	3C512
37 3/4 in	36 in	—	1500 fpm	36 in	7.1	4HA12
42 in	40 in	—	1500 fpm	42 in	8.2	3HHR8
43 in	32 in	—	1500 fpm	42 in	6.5	3HHR9



Damper Motors

Models aid in the opening and closing of a variety of louvers, dampers, and shutters including louver dampers, backdraft dampers, ceiling and exhaust shutters, and wall shutters.

For Use With	Mounting Position	Voltage	Amps	Item No.
12 in to 48 in Dayton Combination Louver Dampers	Vertical	100 to 240	3.0/1.5	5NKP0
All Dayton Backdraft Dampers	Vertical	24	1.02	2FTX6
	Vertical	460	0.11	2FTW4
	Vertical	208	0.11	2FTV1
Ceiling Shutters	Horizontal	120/240	0.20/0.14	24N066
Combination Louver Damper	Vertical	24 to 240	6.0/2.5	20XG62
High Velocity Double Panel Exhaust Shutters 36 in to 48 in	Vertical	100-240	—	45C664
High Velocity Double Panel Exhaust Shutters 49 in to 60 in	Vertical	—	—	45C665
High Velocity Single Panel Exhaust Shutters 10 in to 36 in	Vertical	—	—	45C683



Universal-Mount Backdraft Dampers

- Mounting: horizontal or vertical
- Max. pressure: 1 in wc

Versatile dampers install onto vertical or horizontal vents and ensure that air flows in the correct direction. Their spring-loaded blades open when the system is running and close when it is not to keep the conditioned air in the occupied space.



4YN17

Height	Width	Length	Maximum Air Velocity	Fits Fan Diameter	Free Area (sq ft)	Item No.
Aluminum Frame with Aluminum Blade, 1 1/2 in Width Front Flange						
26 in	26 in	—	2000 fpm	24 in	3.6	3HHR2
	26 in	—	2250 fpm	24 in	3.1	4C224
26 3/4 in	26 3/4 in	4 1/2 in	2250 fpm	24 in	3.2	4YN17
32 in	32 in	—	2000 fpm	30 in	5.3	3HHR3
	32 in	—	2250 fpm	30 in	4.7	4C225
32 3/4 in	32 3/4 in	—	2250 fpm	30 in	4.8	3HHT1
35 in	35 in	—	2250 fpm	36 in	8.1	3HHR5
36 in	36 in	—	2000 fpm	36 in	7.3	3HHR4
38 in	38 in	—	2250 fpm	36 in	7.3	4C228
38 3/4 in	38 3/4 in	4 1/2 in	2250 fpm	36 in	6.6	4YN18
44 in	44 in	4 1/2 in	2250 fpm	42 in	9.6	3C242
44 3/4 in	44 3/4 in	—	2250 fpm	42 in	9.7	3HHT2
50 in	50 in	4 1/2 in	2250 fpm	48 in	13.2	3C243
50 3/4 in	50 3/4 in	4 1/2 in	2250 fpm	48 in	12.3	4YN19
Galvanized Steel Frame with Aluminum Blade, No Flange						
7 3/4 in	7 3/4 in	4 1/2 in	2000 fpm	8 in	0.3	3HHL4
9 3/4 in	9 3/4 in	4 1/2 in	2000 fpm	10 in	0.4	2FTW8
11 3/4 in	11 3/4 in	4 1/2 in	2000 fpm	12 in	0.9	2FTX4
13 3/4 in	13 3/4 in	4 1/2 in	2000 fpm	12 in	1	2FTX5
15 3/4 in	15 3/4 in	4 1/2 in	2000 fpm	16 in	1.6	3HHL5
17 3/4 in	17 3/4 in	4 1/2 in	2000 fpm	18 in	2.2	2FTU9
19 3/4 in	19 3/4 in	4 1/2 in	2000 fpm	20 in	2.5	3HHL6
23 3/4 in	23 3/4 in	4 1/2 in	2000 fpm	24 in	3.6	2FTV7
27 3/4 in	27 3/4 in	4 1/2 in	2000 fpm	28 in	4.9	3HHL7
29 3/4 in	29 3/4 in	4 1/2 in	2000 fpm	30 in	6	3HHL8
33 3/4 in	33 3/4 in	4 1/2 in	2250 fpm	34 in	7.7	3HHL9
35 3/4 in	35 3/4 in	4 1/2 in	2250 fpm	36 in	8.2	3HHL1
39 3/4 in	39 3/4 in	4 1/2 in	2250 fpm	40 in	10.2	3HHL2
41 3/4 in	41 3/4 in	4 1/2 in	2000 fpm	42 in	10.9	6WRK7
47 3/4 in	47 3/4 in	4 1/2 in	2250 fpm	48 in	14.7	3HHL3
49 3/4 in	49 3/4 in	4 1/2 in	2000 fpm	48 in	16.2	6WRK8
55 3/4 in	55 3/4 in	4 1/2 in	2000 fpm	54 in	21.5	5NKP1
59 1/2 in	59 1/2 in	4 1/2 in	2000 fpm	60 in	21.9	5NKP8
61 3/4 in	61 3/4 in	4 1/2 in	2000 fpm	60 in	27	6WRK9



Round Backdraft Dampers

- Mounting: horizontal or vertical
- Blade type: butterfly

These dampers keep air flowing in one direction through an HVAC duct. They open when the ventilation system is running and close dynamically to prevent the backflow of air or materials. Dampers install into round duct branches.

For Nominal Duct Dia.	Overall Length	Free Area	Flange Width	Mfr. Model	Item No.
Galvanized Steel Frame with Aluminum Blade					
6 in	3 3/8 in	24.9 sq in	1 in	CAR150	59UJ47
16 in	7 1/2 in	191.8 sq in	1 in	CAR400	59UJ52
Steel Frame with Galvanized Steel Blade					
6 in	3 3/8 in	26 sq in	1 3/8 in	MCA-150	59UV63
8 in	3 3/8 in	47.2 sq in	1 3/8 in	MCA-200	59UV64

