September 2018

MODEL BA66





MODEL BA66



Backdraft Damper • 4" Deep • Single Thickness Blades • Galvanized Steel • -30°F to 180°F Temperature

Pressure Drop Data

Typical performance for model BA66 backdraft damper. Size tested 42"W x 42"H, furnished with counterweight to assist opening.

Face Velocity vs. Pressure Drop



Air Leakage Data

Air leakage quantities shown in the chart are results of tests per AMCA Standard 500 and shown at 1 in. w.g. differential pressure and corrected to .075 lb./cu.ft. air density.

Total CFM Air Leakage at 1 in. w.g. Static Pressure Differential Through Closed Damper.

		Width (in.)						
		12"	18"	24"	30"	36"	42"	48"
Height (in.)	12"	8.3	12.5	16.6	20.8	24.9	29.0	33.2
	24"	16.6	24.9	33.2	41.5	49.8	58.1	66.4
	36"	24.9	37.4	49.8	62.3	74.7	87.2	99.6
	48"	33.2	49.8	66.4	83.0	99.6	116.2	132.8
	60"	41.5	62.3	83.0	103.8	124.5	145.3	166.0
	72"	49.8	74.7	99.6	124.5	149.4	174.3	199.2

Use the multiplier correction chart below for determining leakage values greater than 1 in. w.g. to a maximum 4 in. w.g.

Static Pressure (in.)	2"	3"	4"
Multiple Correction Factor	1.22	1.63	1.99

Air leakage ratings are based on AMCA Standard 500 using test set up Fig. 5.4 with damper in the closed position without the aid of a counterweight or other mechanical means to provide closing torque, for a size 42"W x 42"H damper with blade and jamb seals.

