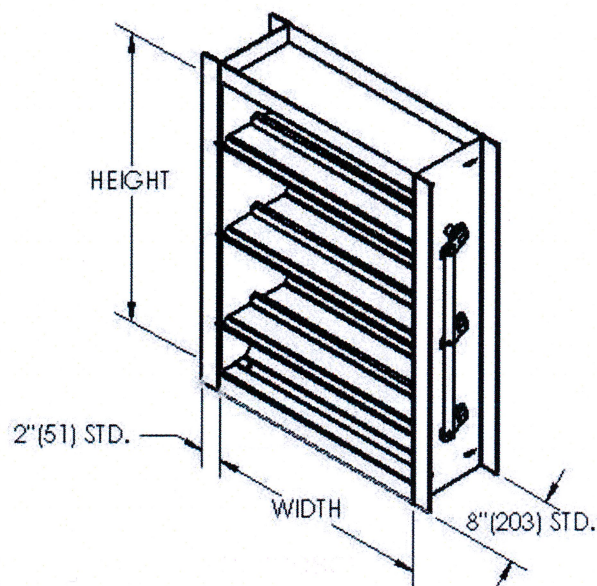


PARALLEL
BLADE



OPPOSED
BLADE

STANDARD CONSTRUCTION

FRAME: Model 4875: 8" x 2" x 12 ga. (203 x 51 x 2.8) coated steel channel.
Model 4885: 8" x 2" x 10 ga. (203 x 51 x 3.5) coated steel channel.

BLADES: Model 4875: 2 x 16 ga. (1.6) galvanized steel formed airfoil;
Model 4885: 2 x 12 ga. (2.8) (2 x 10 ga. [3.5] for blade widths 48" and over). Approx. 6" (152) to 8" (203) wide depending on size.
Parallel or opposed operation.

LINKAGE: Side linkage, concealed out of airstream. Heavy duty plated steel tie bars and galvanized steel clevis arms.

AXLES: Model 4875: ¾" (19) dia. plated steel. Model 4885: ¾" (19) dia. (1" [25] dia. for blade widths 48" [1219] and over).

BEARINGS: Stainless steel sleeve/housing externally bolted to frame.

DRIVESHAFT: ¾" (19) or 1" (25) diameter (see AXLES above) plated steel.
Extends to 8" (203) beyond frame.

FINISH: Mill galvanized.

MINIMUM SIZE: Single blade: 6" x 6" (152 x 152).

Two blades: 6" x 12" (152 x 305).

MAXIMUM SIZE: 60" x 96" (1524 x 2438). Contact factory for larger sizes.

OPTIONAL CONSTRUCTION

- ☐ Type 304 Stainless Steel construction
- ☐ Type 316 Stainless Steel construction
- ☐ Type 304 Stainless Steel Axles only
- ☐ External Bolt-On Ball Bearings
- ☐ External Bolt-On Ball Bearings with Seal
- ☐ Outboard Bearings with Adjustable Shaft Seal
- ☐ EPDM Blade Seals (Max. 250°F [121°C])
- ☐ Silicone Blade Seals (Max. 400°F [204°C])
- ☐ Stainless Steel Jamb Seals
- ☐ Non-standard Flanges: 1 ½" (38) to 4" (102). Specify _____.
- ☐ Bolt Holes in One Flange ☐ Bolt Holes in Both Flanges
- ☐ Heavy Duty Manual Locking Quadrant
- ☐ Factory Supplied Actuator. Specify _____.

For special variations or options not shown, contact factory.

PERFORMANCE LIMITATIONS:

Damper Width	Model 4875		Model 4885	
	Max. System Pressure	Max. System Velocity	Max. System Pressure	Max. System Velocity
12" (305)	28" w.g.	6000 fpm	44" w.g.	6000 fpm
24" (610)	24" w.g.	6000 fpm	35" w.g.	6000 fpm
36" (914)	21" w.g.	5000 fpm	32" w.g.	5000 fpm
48" (1219)	16" w.g.	5000 fpm	26" w.g.	5000 fpm
60" (1529)	13" w.g.	5000 fpm	20" w.g.	5000 fpm

Standard construction maximum temperature is 250°F (121°C). Contact factory for higher temperatures.

Pressure and velocity limitations shown above are conservative guidelines based on maximum blade deflection of L/360.

Contact factory for applications above limitations shown in chart.

LEAKAGE:

Damper Width	Model 4875				Model 4885			
	Leakage w/o Seals		Leakage with Seals		Leakage w/o Seals		Leakage with Seals	
	CFM/Ft ²	% Max. Flow	CFM/Ft ²	% Max. Flow	CFM/Ft ²	% Max. Flow	CFM/Ft ²	% Max. Flow
12" (305)	59	0.98	13	0.22	59	0.98	13	0.21
24" (610)	39	0.65	8	0.13	39	0.65	8	0.13
36" (914)	32	0.64	4	0.08	32	0.64	4	0.08
48" (1219)	32	0.64	4	0.08	32	0.64	4	0.08
60" (1529)	32	0.64	4	0.08	32	0.64	4	0.08

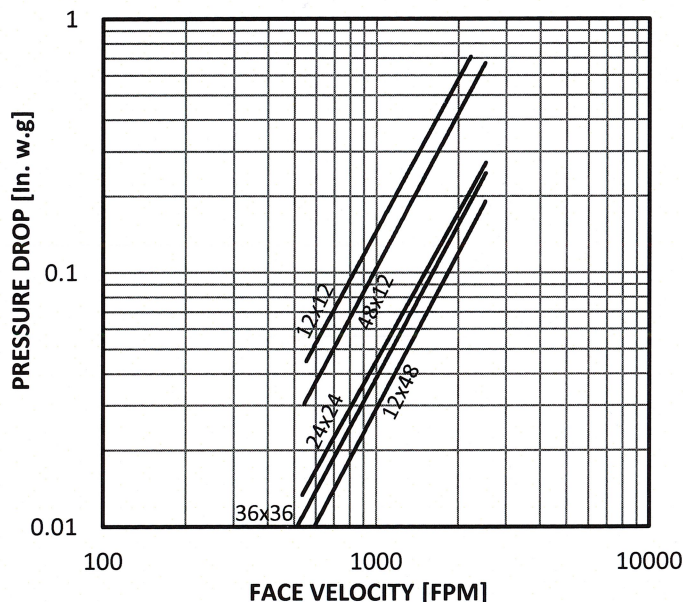
Leakage information is based on a static pressure differential of 1" w.g., tested per AMCA Standard 500-D, Figure 5.5. To calculate leakage at pressure differentials higher than 1" w.g., multiply leakage from above chart by the correction factor shown in the chart below.

Data has been corrected to standard air density at .075 lb/ft³ (1.2 kg/m³). Data based on operation between 0°C - 49°C (32°F - 120°F).

LEAKAGE CORRECTION FACTORS:

Static Pressure (in. w.g.)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Correction Factor	1.4	1.7	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.4	4.5

PRESSURE DROP:



Pressure drop tested in accordance with AMCA Standard 500-D, Figure 5.2, ducted on upstream side only.

REF. #	QTY.	MODEL	PB/OB	WIDTH I.D. (EXACT SIZE)	HEIGHT I.D. (EXACT SIZE)	OPTIONS/ACCESSORIES
PROJECT :					ENGINEER:	
CONTRACTOR:					DATE:	