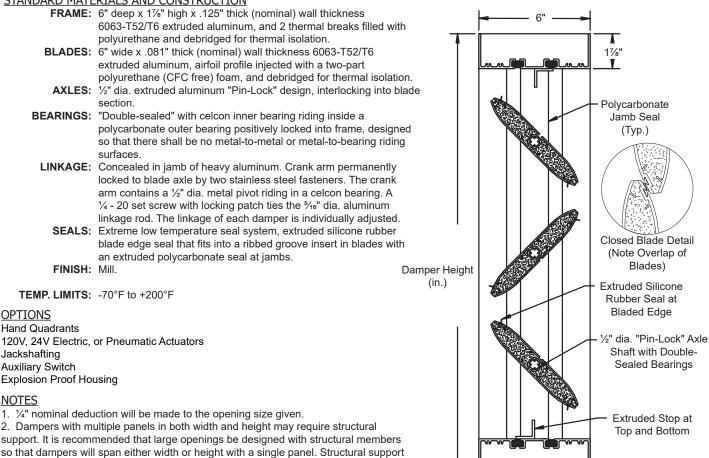
MODEL TB59

Extruded Aluminum Damper 🔺 6" Deep 🔺 6" Airfoil Blades 🔺 Parallel or Opposed 🔺 Thermal Break Page 1

STANDARD MATERIALS AND CONSTRUCTION



will not be provided with standard dampers.

3. Not recommended for blades installed vertically. 4. Approximate shipping weight is 6.5 lbs./sq.ft.

	<u>ES</u>			-	00	Max. Sectior	-	n Not	to scale.		
Blades		Minimum Panel	Maximum Pa	nel							
Parallel		8"W x 10%"H	60"W x 72"				1]	i la l			
Opposed		8"W x 10%"H	60"W x 72"	- 1							;⊔⊈∥ᢪ ∍ \\
								n (Typ.) Width (in.)			
			1	1	1			· · ·		1	
Item #	Ot	Width	Height	Para.	Oppo.	Actuator	Interior	Exterior	N.C.	N.O.	
Item #	Qty	7 	Height er Size		Oppo. Position	Actuator Model	Interior			N.O.	Union Made
Item # Arch. /		Damp					Interior	Exterior			Union Made
	/ Eng.	Damp				Model	Interior	Exterior		ction	Union Made



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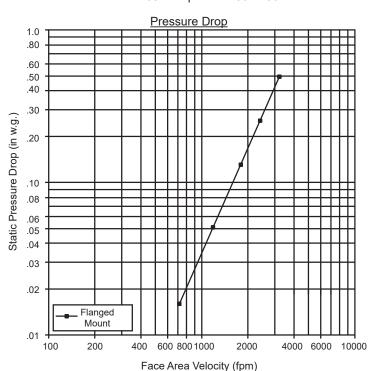
Opposed Blade Damper (Shown)

Parallel Blade Damper also available

Extruded Aluminum Damper A 6" Deep A 6" Airfoil Blades A Parallel or Opposed A Thermal Break Page 2

PERFORMANCE DATA

Pressure Drop Ratings are tested in accordance with AMCA Standard 500-D using test set-up Fig. 5.3 for damper installed with duct upstream and downstream. Static pressures are corrected to .075 lb/cu.ft. standard air density.



Model TB59 Damper Size 36" x 36"

Air leakage ratings are tested in accordance with AMCA Standard 500-D using test set-up Fig. 5.4. Data is based on a closing torque of 5 in-lb/ sq.ft. for dampers less than 6 sq.ft having a closing torque of 40 in-lb. Damper closing torque is applied to damper operating shaft.

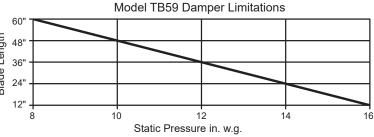
Total	cfm	Leakage	at 1	in.	w.q.	Static Pressure Differential	
		5			0		

	Width									
		12"	24"	36"	48"	60"]			
	12"	2	4	6	8	10				
	18"	3	6	9	12	15				
	24"	4	8	12	16	20				
	30"	5	10	15	20	25	gth			
Height	36"	6	12	18	24	30	Length			
	42"	7	14	21	28	35	Blade			
	48"	8	16	24	32	40	Ē			
	54"	9	18	27	36	45]			
	60"	10	20	30	40	50				
	66"	11	22	33	44	55				
	72"	12	24	36	48	60				

Leakage Correction Factor

	Static Pressure in.wg								
Damper	2"	3"	4"	5"	6"	7"	8"		
Width 12" - 60"	1.44	1.64	2.00	2.22	2.44	2.54	2.82		

Use of correction factors will give leakage values at greater than 1" pressures.



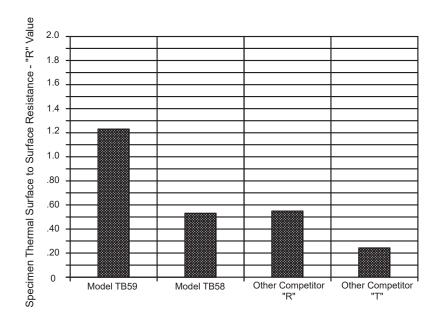
Model TB59 damper design at reduced lengths can withstand higher static pressure limits without sacrificing damper operation and performance. Static pressures above 8 in. w.g. will affect operation torque value.



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Extruded Aluminum Damper 🔺 6" Deep 🔺 6" Airfoil Blades 🔺 Parallel or Opposed 🔺 Thermal Break

THERMAL PERFORMANCE



Damper Assembly Thermal Performance Rating tested to ASTM C-1363-97, Standard Test Method for Thermal Performance of Building Assemblies by Means of a Hot Box Apparatus and replaces C-236 and C-976 test methods.

