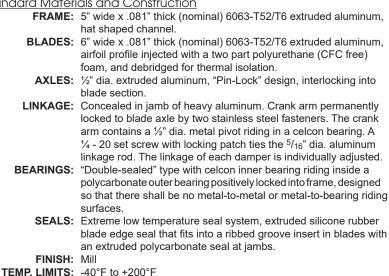
MODEL AFDTI-25

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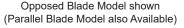
Extruded Aluminum Damper • 5" Deep • 6" Airfoil Blades • Opposed or Parallel • Thermal Break

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Standard Materials and Construction



Polycarbonate Jamb Seal (Typ.) **Closed Blade Detail** (Note Overlap of Blades) Damper Height (in.) Extruded Silicone Rubber Seal at Blade Edge 1/2" dia. "Pin-Lock" Rod with Double-Sealed Bearings Extruded Stops at Top and Bottom Not to scale.



Frame - Optional .125" thick nominal 6063-T6/T52 extruded aluminum Hand Quadrants 120V. 24V Electric, or Pneumatic Actuators Jackshafting Auxiliary Switch Explosion Proof Housing

Notes

Options

1. ¹/₄" nominal deduction will be made to the opening size given.

2. Dampers with multiple panels in both width and height may require structural support. It is recommended that large openings be designed with structural members so that dampers will span either width or height with a single panel. Structural support will not be provided with standard dampers.

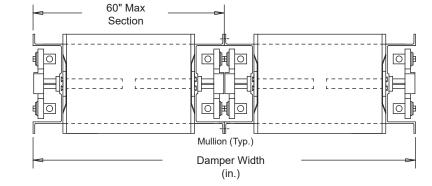
3. Dampers more than one panel wide or high and operated with one actuator must be jackshafted. Factory supplied actuators are shipped loose to be mounted external as standard.

4. Not recommended for blades installed vertically.

5. Approximate damper weight is 6.5 lbs./sq.ft.

Damper Sizes

Blade Type	Minimum Panel	Maximum Panel		
Parallel	6"W x 8%"H	60"W x 72"H		
Opposed	6"W x 8%"H	60"W x 72"H		



Here #	Qty	Width	Height	Para.	Oppo.	Actuator	Interior	Exterior	N.C.	N.O.	
Item #		Dampe	ər Size	Blade Position		Model	Location		Function		Union Made
Arch.	/ Eng.:					EDR:		ECN:		Job:	
Contr	actor:										
Pi	roject:					Date:		DWN:		DWG:	



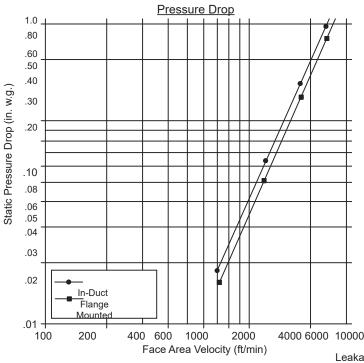
MODEL AFDTI-25

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Extruded Aluminum Damper • 5" Deep • 6" Airfoil Blades • Opposed or Parallel • Thermal Break

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. air density.

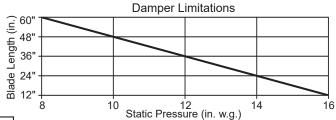


LEAKAGE

Total cfm Leakage at 1 in. w.g. Static Pressure Differential

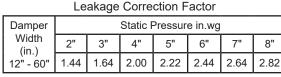
		Width						
		12"	24"	36"	48"	60"		
Height	12"	2	4	6	8	10		
	18"	3	6	9	12	15		
	24"	4	8	12	16	20		
	30"	5	10	15	20	25		
	36"	6	12	18	24	30		
	42"	7	14	21	28	35		
	48"	8	16	24	32	40		
	54"	9	18	27	36	45		
	60"	10	20	30	40	50		
	66"	11	22	33	44	55		
	72"	12	24	36	48	60		

Leakage 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 5 sq.ft. having a closing torque of 40 in.lb. damper closing torque is applied to damper operating shaft.

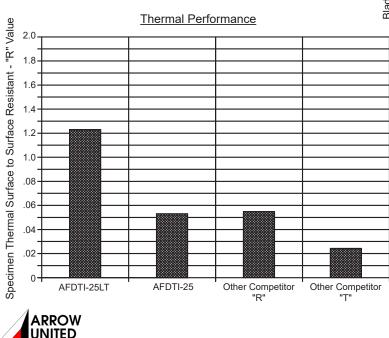


Model AFDTI-25 damper design at reduced lengths can withstand higher static pressure limits without sacrificing damper operation and performance. Static pressures above 8 in. w.g. will affect operation torque value.

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 C236 and C-975 Test Methods.



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



INDUSTRIES

Member of AMCA arrowunited.com 450 Riverside Dr • Wyalusing PA, 18853 • Phone 570-746-1888 • Fax 570-746-9286 AUI-01-01-02