SPECIFICATION SHEET

Model TDBA_D6
Drop Box Diffuser
6-Way Drum Louver

Imperial [IP] Dimensions
Metric (SI) in Parentheses

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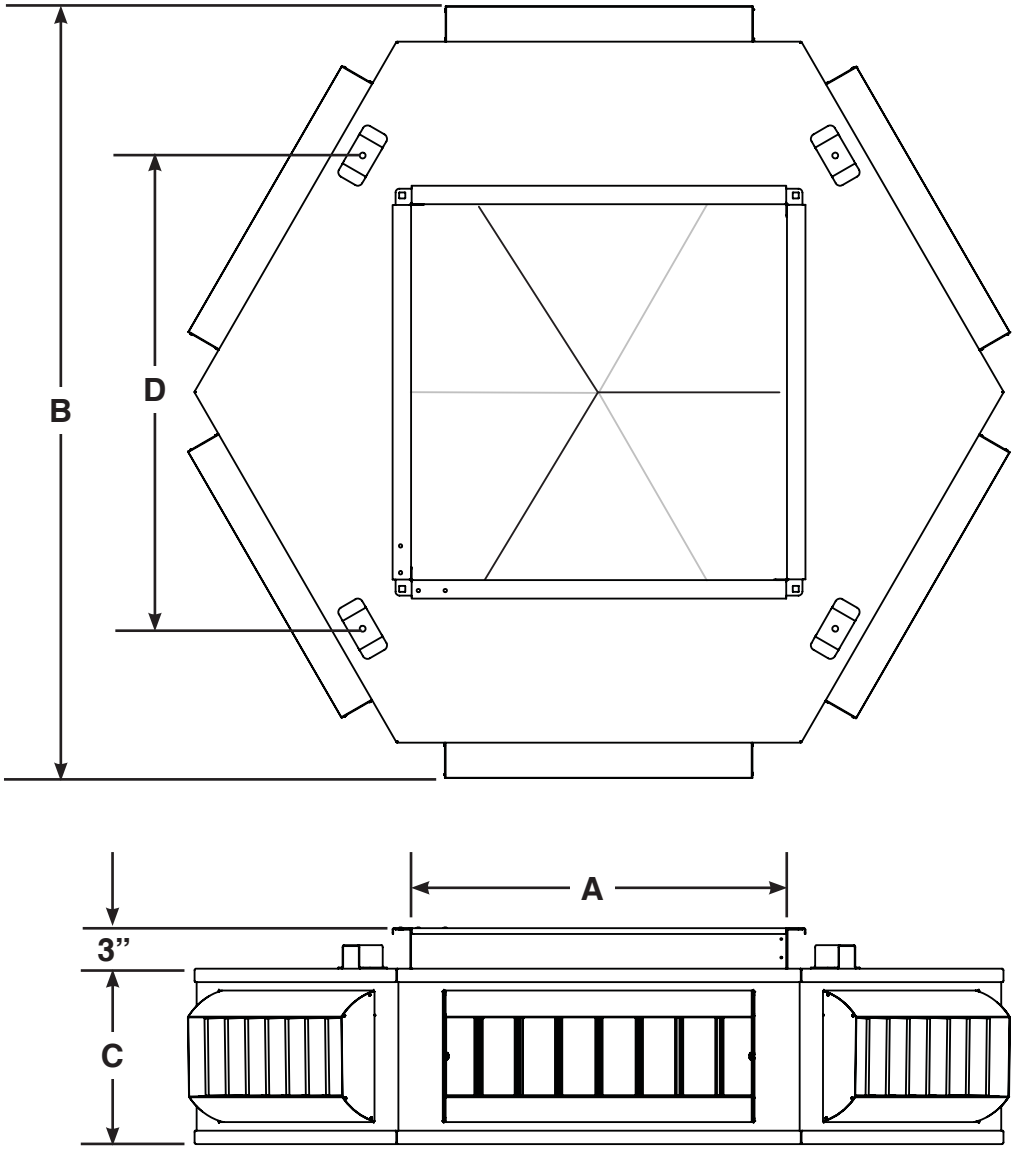

Neck Size A	B	C	D	CFM	Est. Weight
14x14	30-1/4	10	19-1/8	800-2,000	63
22x22	42-1/4	10	27-7/8	2,000-5,000	114
24x24	48-1/4	10	32-1/4	2,400-6,000	132
28x28	52-1/4	13	35-1/8	3,300-8,100	167
36x36	64-1/4	15	44	5,400-13,500	237
42x42	76-1/4	17-1/2	52-3/4	7,400-18,300	345

STANDARD FEATURES:

- 18 ga. top/bottom panels
- 20 ga. grille panels
- 20 ga. air diverter
- Drum louvers
- TDC connection flanges
- Intermediate turning vanes
- 1” 1-1/2# insulation on bottom for noise control
- 14 ga. mounting brackets

Options:

- Balancing dampers (TDBA_F6)
- Bottom double deflection register (Option B)

6-WAY BLOW WITH DRUM LOUVERS

NECK SIZE		INTAKE DUCT VELOCITY						
		600	750	900	1050	1200	1350	1500
14	CFM	817	1021	1225	1429	1633	1838	2042
	THROW	13-20-29	17-23-32	20-25-35	22-27-38	23-29-40	25-30-43	26-32-45
	ΔP	0.032	0.049	0.070	0.096	0.125	0.159	0.197
22	CFM	2017	2521	3025	3529	4033	4538	5042
	THROW	30-44-62	39-49-69	44-54-76	47-58-82	51-62-88	54-66-93	57-69-98
	ΔP	0.055	0.118	0.180	0.242	0.303	0.363	0.423
24	CFM	2400	3000	3600	4200	4800	5400	6000
	THROW	40-60-86	50-68-96	60-75-106	66-81-114	70-86-122	75-91-129	79-96-136
	ΔP	0.077	0.119	0.172	0.234	0.308	0.391	0.485
28	CFM	3267	4083	4900	5717	6533	7350	8167
	THROW	37-53-75	46-59-83	53-65-91	57-70-99	61-75-105	65-79-112	68-83-118
	ΔP	0.043	0.064	0.090	0.121	0.158	0.200	0.248
36	CFM	5400	6750	8100	9450	10800	12150	13500
	THROW	45-64-90	56-71-101	58-71-101	69-84-119	73-90-127	78-95-135	82-101-142
	ΔP	0.033	0.053	0.077	0.106	0.140	0.179	0.223
42	CFM	7350	9188	11025	12863	14700	16538	18375
	THROW	44-61-86	55-68-96	61-74-105	65-80-113	70-86-121	74-91-129	78-86-136
	ΔP	0.030	0.045	0.065	0.088	0.116	0.148	0.183

Throws based on Carnes standard drum louver performance data.

Throw data assumes the blades are spread 15°. For performance at 0° or 30° spreads, apply the following correction factors:

For 0° multiply throws by 1.2
For 0° multiply pressure by 0.795
For 30° multiply throws by 0.8
For 30° multiply pressure by 1.43