SPECIFICATION SHEET

Model TDBA_G6
Drop Box Diffuser
6-Way Double Deflection

Imperial [IP] Dimensions
Metric (SI) in Parentheses

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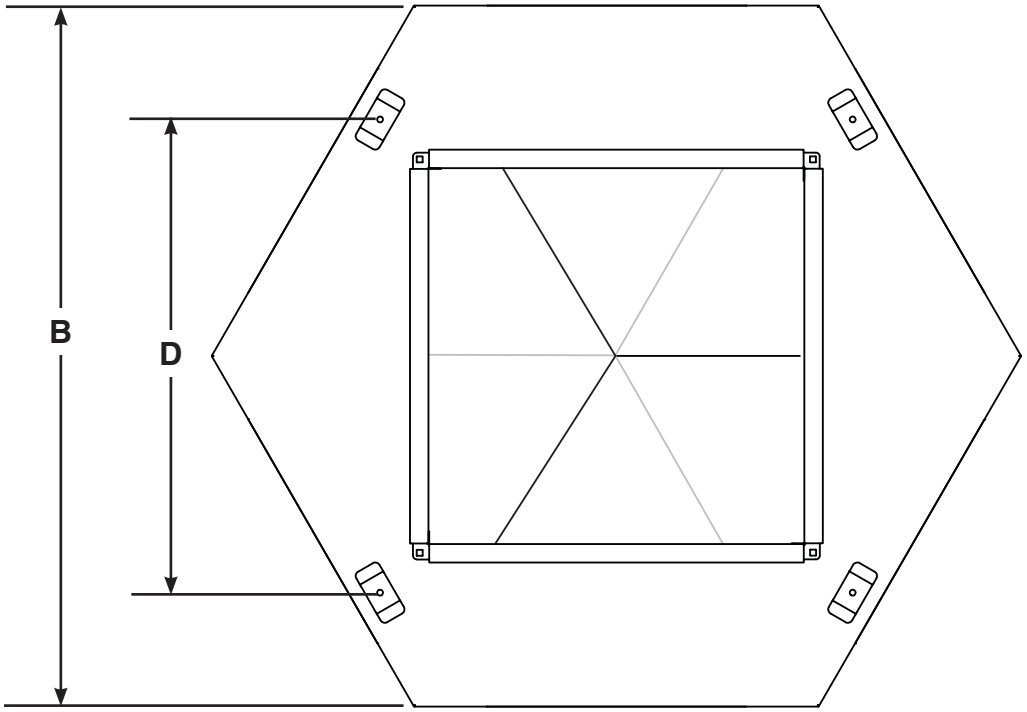

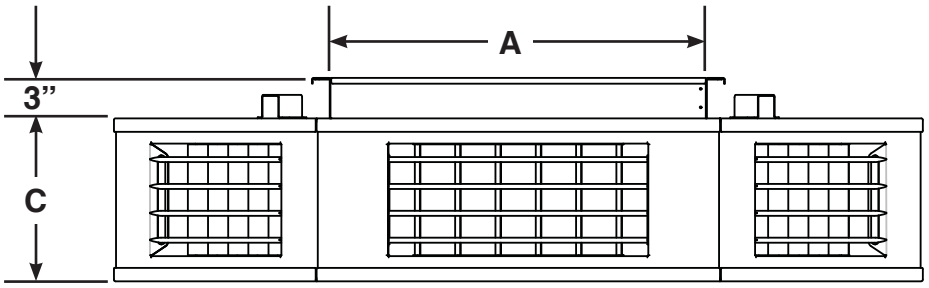

Neck Size A	B	C	D	CFM	Est. Weight
14x14	30-1/4	10	19-1/8	800-2,000	63
22x22	42-1/4	10	27-7/8	2,000-5,000	107
24x24	48-1/4	10	32-1/4	2,400-6,000	135
28x28	52-1/4	12	35-1/8	3,300-8,100	165
36x36	64-1/4	15	44	5,400-13,500	244
42x42	76-1/4	17-1/2	52-3/4	7,400-18,300	326

STANDARD FEATURES:

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

Options:

- Balancing dampers (TDBA_H6)
- Bottom double deflection register (Option B)

6-WAY BLOW WITH DIFFUSERS

NECK SIZE		INTAKE DUCT VELOCITY						
		600	**750**	**900**	**1050**	**1200**	**1350**	**1500**
14	CFM	817	1021	1225	1429	1633	1838	2042
	THROW	12-17-35	14-22-43	17-26-51	20-30-55	23-34-59	26-39-62	29-43-65
	ΔP	0.048	0.075	0.108	0.146	0.188	0.236	0.288
22	CFM	2017	2521	3025	3529	4033	4538	5042
	THROW	26-39-67	32-48-74	39-58-82	45-62-88	51-67-94	58-71-100	61-74-105
	ΔP	0.080	0.124	0.177	0.241	0.316	0.401	0.496
24	CFM	2400	3000	3600	4200	4800	5400	6000
	THROW	16-35-69	26-43-83	35-52-91	40-61-98	46-69-105	52-78-111	58-83-117
	ΔP	0.044	0.068	0.099	0.136	0.179	0.229	0.286
28	CFM	3267	4083	4900	5717	6533	7350	8167
	THROW	27-41-81	34-51-95	41-61-104	48-72-112	55-82-120	62-90-127	68-95-134
	ΔP	0.043	0.068	0.099	0.136	0.180	0.230	0.286
36	CFM	5400	6750	8100	9450	10800	12150	13500
	THROW	44-67-133	56-84-160	67-101-175	78-118-189	90-135-203	101-152-215	112-160-226
	ΔP	0.033	0.052	0.076	0.105	0.139	0.179	0.223
42	CFM	7350	9188	11025	12863	14700	16538	18375
	THROW	42-63-126	53-79-142	63-95-156	74-111-168	85-127-180	95-135-191	106-142-201
	ΔP	0.041	0.063	0.091	0.125	0.164	0.209	0.259

Throws based on Carnes standard 2” double deflection industrial grille performance data.

Throw data assumes the blades are spread 0°. For performance at 22.5° or 45° spreads, apply the following correction factors:

For 22.5° multiply throws by 0.806
For 22.5° multiply pressure by 1.299
For 45° multiply throws by 0.479
For 45° multiply pressure by 1.907