SPECIFICATION SHEET

Model TDBA_G4
4-Way Blow
Double Deflection

Imperial [IP] Dimensions
Metric (SI) in Parentheses

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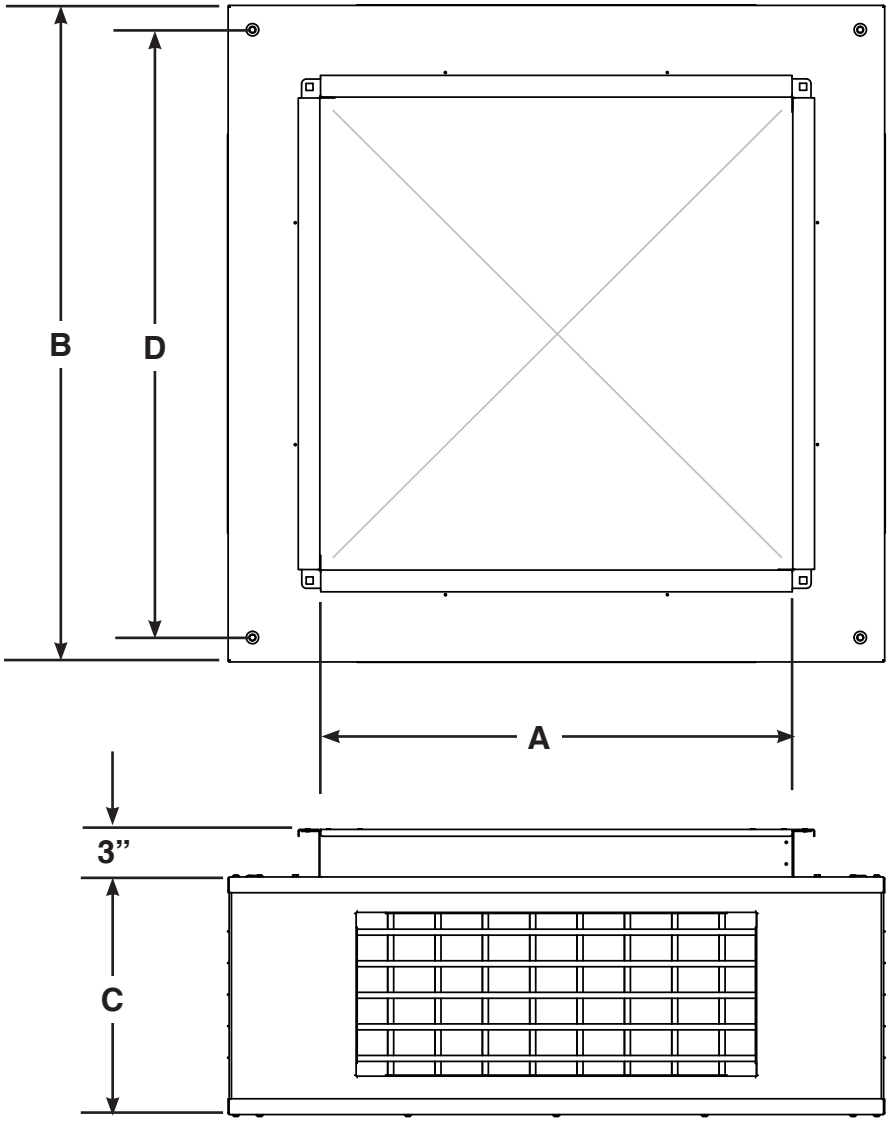

Neck Size A	B	C	D	CFM	Est. Weight
14x14	24	10	21	800-2,000	50
20x20	32	10	29	1,600-4,100	80
24x24	35-1/2	10	32-1/2	2,400-6,000	100
28x28	39	12	36	3,200-8,100	120
30x30	41-1/2	15	38-1/2	3,700-9,400	140
36x36	50	15	47	5,400-13,500	195

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
- 3/8-16 threaded inserts in each corner for mounting

Option:

- Balancing dampers (TDBA_H4)

4-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	20-30-56	25-38-63	31-46-69	36-53-75	41-56-80	46-60-85	51-63-89
	ΔP	0.064	0.108	0.163	0.229	0.306	0.393	0.491
22	CFM	1667	2083	2500	2917	3333	3750	4167
	THROW	27-41-43	34-51-82	41-62-82	48-68-97	55-73-103	62-77-110	67-82-115
	ΔP	0.066	0.101	0.145	0.197	0.258	0.326	0.403
24	CFM	2400	3000	3600	4200	4800	5400	6000
	THROW	35-52-85	43-65-95	52-73-104	61-79-112	69-85-120	73-90-127	77-95-134
	ΔP	0.077	0.088	0.102	0.118	0.136	0.156	0.178
28	CFM	3267	4083	4900	5717	6533	7350	8167
	THROW	41-61-92	51-73-103	61-80-113	70-86-122	75-92-130	80-98-138	84-403-146
	ΔP	0.063	0.096	0.137	0.188	0.246	0.314	0.389
30	CFM	3750	4688	5625	6563	7500	8438	9375
	THROW	39-59-118	550-75-137	60-90-150	70-105-162	81-121-173	91-130-184	101-137-194
	ΔP	0.045	0.067	0.094	0.127	0.165	0.208	0.257
36	CFM	5400	6750	8100	9450	10800	12150	13500
	THROW	39-59-117	49-73-137	59-88-151	68-103-163	78-117-174	88-130-184	98-137-194
	ΔP	0.038	0.055	0.077	0.106	0.141	0.181	0.227

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