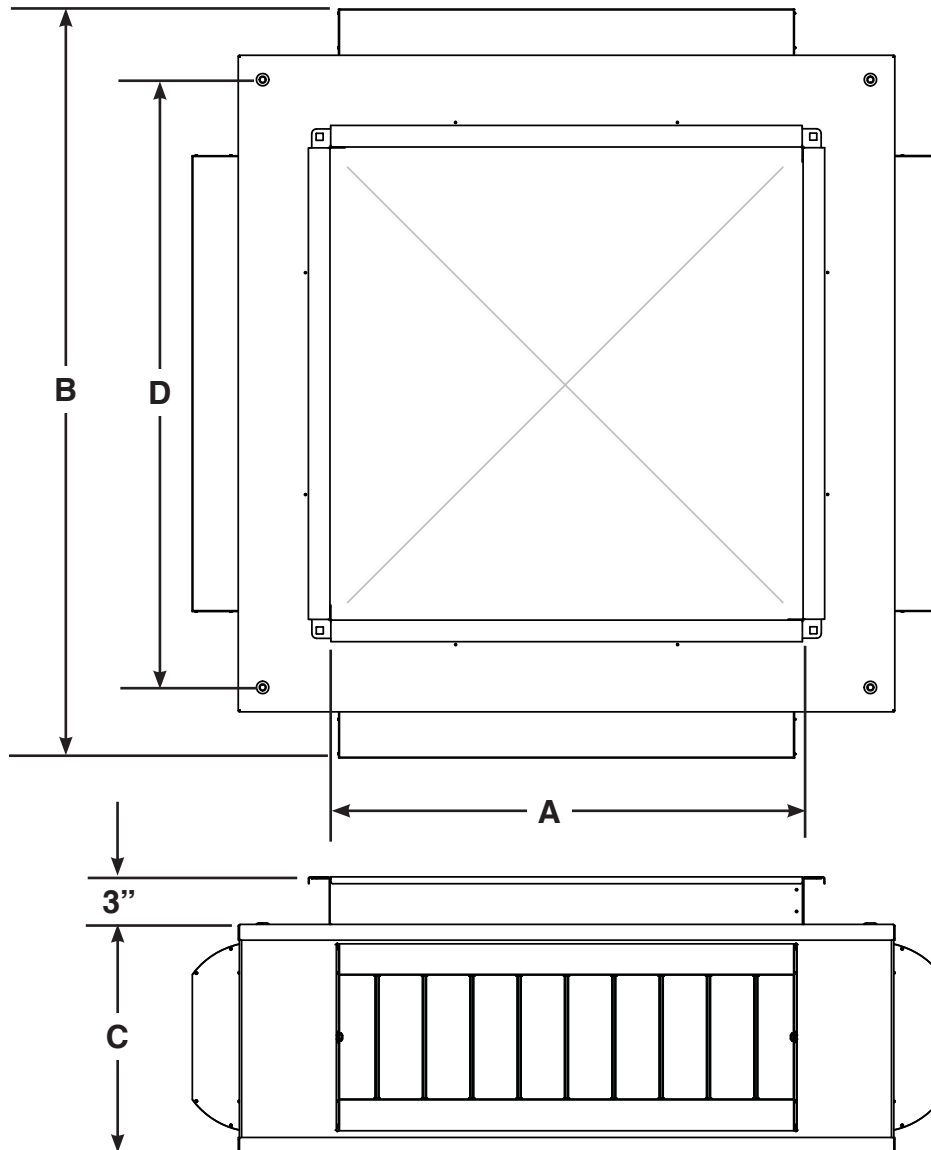


Imperial [IP] Dimensions  
Metric (SI) in Parentheses

CARNES COMPANY 448 S. Main St., P. O. Box 930040, Verona, WI 53593-0040 Phone: (608)845-6411 Fax: (608)845-6504 www.carnes.com



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	12-1/2	32-1/2	2,400-6,000	100
28x28	39	12-1/2	36	3,200-8,100	120
30x30	41-1/2	14-1/2	38-1/2	3,700-9,400	140
36x36	50	17	47	5,400-13,500	195

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

**Option:**

- Balancing dampers (TDBA\_F4)

#### 4-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	7-16-34	11-21-43	17-26-51	20-30-56	23-35-60	26-39-64	29-44-67
	ΔP	0.008	0.013	0.019	0.027	0.035	0.044	0.055
22	CFM	1667	2083	2500	2917	3333	3750	4167
	THROW	23-34-58	29-43-65	34-50-71	40-54-76	46-58-82	50-61-87	53-65-91
	ΔP	0.018	0.030	0.046	0.064	0.085	0.108	0.135
24	CFM	2400	3000	3600	4200	4800	5400	6000
	THROW	30-45-79	38-57-88	46-68-97	54-74-104	62-79-112	68-84-118	72-88-125
	ΔP	0.089	0.123	0.154	0.182	0.207	0.228	0.246
28	CFM	3267	4083	4900	5717	6533	7350	8167
	THROW	37-56-89	47-70-99	57-77-108	66-83-117	72-89-125	77-94-133	81-99-140
	ΔP	0.059	0.071	0.115	0.192	0.301	0.443	0.618
30	CFM	3750	4688	5625	6563	7500	8438	9375
	THROW	37-56-102	47-70-115	56-84-125	65-96-136	75-102-145	84-109-154	94-115-162
	ΔP	0.026	0.046	0.071	0.101	0.136	0.176	0.221
36	CFM	5400	6750	8100	9450	10800	12150	13500
	THROW	46-69-109	58-86-122	70-94-133	82-102-144	89-109-154	94-116-163	99-112-172
	ΔP	0.040	0.061	0.086	0.116	0.150	0.189	0.233

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