

Inline & Sidewall Exhaust Fans



BCF



BDF

UL/cUL 705 Power Ventilators
E40001 - BCF with TEFC motors
E40001 - BDF with TEFC motors



Model BCF is AMCA Licensed for Air Performance
Model BDF is AMCA Licensed for Sound and Air Performance

28

Best Available Program

3 Days

Model BCF and BDF Belt Drive

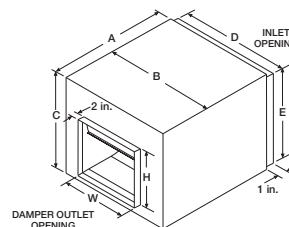
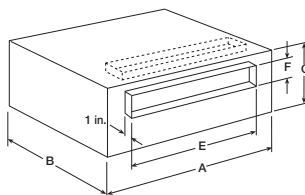
Centrifugal duct fans are designed for clean air inline exhaust or supply applications.

Quick Build Performance

BCF capacities range from 200 to 6,000 cfm and 1.5 in. wg of static pressure.
BDF capacities range from 300 to 15,000 cfm and 3 in. wg of static pressure.

Standard Construction	BCF	BDF
Housing - galvanized steel	■	■
Housing - low profile	■	
Housing - square		■
Drive frame secured to housing	■	■
Wheel - forward-curved, galvanized steel	■	■
Motor and scroll - mounted to drive frame	■	■
Access door - bolted, removable (BCF-108/208 and larger, all BDF)	■	■
Access door - hinged (BCF-106, 107, 206 and 207)	■	■
Corrosion-resistant fasteners	■	■
NEMA-1 disconnect switch	■	■
Ball bearing motor - 1/4 hp and larger	■	■
Double-studded vibration isolators	■	■
Flanges - inlet and outlet	■	■
Adjustable motor pulley	■	■
Options and Accessories	BCF	BDF
Damper	■	■
Isolators	■	■
Insulation	■	■
Filter box* - filters are throwaway (pleated) or permanent (aluminum mesh)	■	■
Mixing box	■	
NEMA rated disconnect switch	■	■
Dual drives	■	■
Multiple discharge positions*	■	■
Decorative or protective powder coating	■	■
UL/cUL Listed Power Ventilators	■	■

*see page 31 for additional information



Dimensions for BCF

Top horizontal discharge

Model Size	A	B	C	E	F
106	20	23 ³ / ₄	11	12	6
107	23	29	13	15	8
108	26	32	16	18	10
110	32	36	19	24	12
112	36	42	23	28	14
206	34	23 ³ / ₄	11	26	6
207	38	29	13	30	8
208	44	32	16	36	10
210	48	36	19	40	12
212	58	42	23	50	14

All dimensions are in inches.

Dimensions for BDF

Bottom horizontal discharge

Model Size	A	B	C	Damper Outlet Opening (W x H)	Inlet Opening (D x E)
80	23 ³ / ₄	18 ¹ / ₂	15 ⁵ / ₈	9 ³ / ₄ x 8 ⁷ / ₈	15 ³ / ₁₆ x 12 ¹¹ / ₁₆
90	24 ¹ / ₄	21 ¹ / ₄	18 ³ / ₄	12 ¹ / ₄ x 10 ¹ / ₂	18 ¹ / ₄ x 15 ⁷ / ₈
100	26 ¹ / ₄	22 ³ / ₄	20 ³ / ₄	13 ³ / ₄ x 11 ⁵ / ₈	19 ³ / ₄ x 17 ⁷ / ₈
120	33	27 ¹ / ₄	22 ³ / ₄	16 x 13 ³ / ₈	24 ¹ / ₈ x 19 ⁷ / ₈
150	34 ³ / ₄	32 ⁵ / ₈	27 ³ / ₄	19 ¹ / ₈ x 16 ³ / ₈	28 ⁵ / ₈ x 23 ⁷ / ₈
180	40 ¹ / ₄	41 ³ / ₄	31 ³ / ₄	22 ¹ / ₂ x 18 ⁷ / ₈	37 ¹ / ₂ x 27 ⁷ / ₈
200	50 ¹ / ₄	49 ¹ / ₄	39 ³ / ₄	23 ¹ / ₈ x 25 ¹ / ₄	45 ¹ / ₈ x 36

All dimensions are in inches.