



## INDUSTRIAL VENTILATION PRODUCTS

*better* AIRFLOW  
by DESIGN™





Continental Fan was established in 1986 to manufacture and distribute quality ventilation equipment. Our objectives then were simple ... to provide superior products, dependable service, competitive pricing, and a knowledgeable staff to satisfy our customers' needs. They remain unchanged today.

Since then, Continental Fan has become a major supplier of top-quality air moving equipment. We specialize in a broad range of 'CFM' products that have earned an excellent reputation through years of superior performance and reliable operation.

The Company has operations in three locations:

**U.S. Corporate Address & Warehouse**

Continental Fan Manufacturing Inc.  
203 Eggert Road  
Buffalo, NY 14215 USA

**U.S. Operations - Sales, Marketing & Engineering**

Continental Fan Manufacturing Inc.  
6274 Executive Boulevard  
Dayton, OH 45424 USA

**Canadian Operations - Administration & Production**

Continental Fan Canada Inc.  
12-205 Matheson Boulevard East  
Mississauga, ON L4Z 3E3 Canada

We offer the largest quick ship program available and fast deliveries for those products not in stock. Our experienced and friendly staff delivers customer service that is second to none. We are happy to entertain inquiries for custom fans, and work with customers to provide 3D models for their air moving solutions. In short, we provide.....

*better AIRFLOW by DESIGN™*

We appreciate your interest and welcome your inquiries.



# INDUSTRIAL VENTILATION PRODUCTS

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For Product Specification Guides, visit [www.continentalfan.com](http://www.continentalfan.com).



# PANEL & FLANGE FANS

## ADP DIRECT DRIVE PANEL FANS

### FEATURES & BENEFITS

- Spark resistant cast aluminum airfoil axial impeller
- Aerodynamically efficient performance
- Factory set adjustable pitch blades
- Heavy duty welded steel construction
- Simple maintenance - no belts or pulleys
- TEFC industrial duty motor
- Broad range of static pressures available
- Sizes range from 12" to 60"
- Direct drive capacities to 57,200 cfm

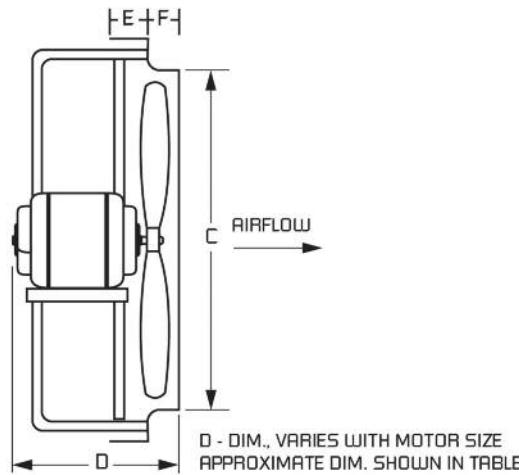
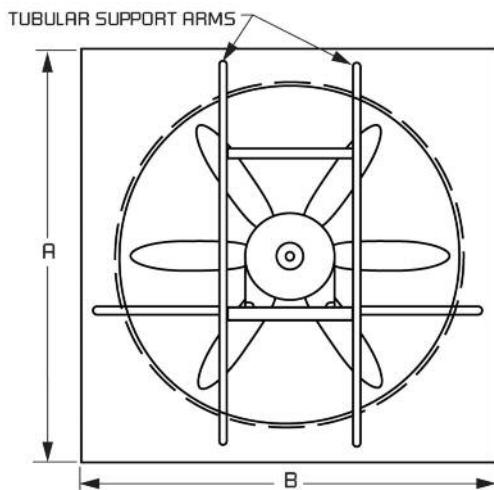


### APPLICATIONS

- Power plant ventilation
- Warehouse ventilation
- Foundry ventilation
- General ventilation
- Factory ventilation
- Parking garage ventilation

### ACCESSORIES / OPTIONS

- Epoxy or polyurethane coatings
- Motor operated shutters
- Gravity shutters
- Bird screen for shutters
- Motor side guard
- Propeller side guard
- 304 stainless steel construction
- 316 stainless steel construction
- Mounting boot - interior or exterior mount
- Weather hood complete with bird screen
- Special duty motors available
- Reverse flow construction



MODEL	DIMENSIONS IN INCHES*						WT (LBS) LESS MTR	MAX MTR FRAME
	A	B	C	D	E	F		
ADP-12	16	16	13.0	11	1.0	1.3	30	56
ADP-16	20	20	17.5	11	1.0	2.3	45	56
ADP-18	24	24	19.5	13	1.0	2.5	50	56
ADP-20	24	24	21.5	13	1.0	2.8	65	145T
ADP-24	30	30	25.5	15	2.8	3.5	105	184T
ADP-30	36	36	31.5	15	2.8	3.5	125	184T
ADP-36	42	42	37.5	15	2.8	4.0	160	184T
ADP-42	48	48	44.0	18	2.8	4.3	180	215T
ADP-48	54	54	50.5	20	2.8	4.5	225	254T
ADP-54	60	60	56.5	22	2.8	4.8	360	256T
ADP-60	66	66	62.5	22	2.8	5.0	495	284T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
ADP-12	500	1,200
ADP-16	500	2,800
ADP-18	1,400	4,150
ADP-20	1,650	6,900
ADP-24	1,800	9,800
ADP-30	2,300	16,000
ADP-36	2,800	23,000
ADP-42	5,800	28,970
ADP-48	7,100	33,000
ADP-54	8,500	43,000
ADP-60	10,800	57,200

## ABP BELT DRIVE PANEL FANS

### FEATURES & BENEFITS

- Spark resistant cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Aerodynamically efficient performance
- Heavy duty welded steel frame and panel construction
- Air dried enamel paint finish
- TEFC industrial duty motor
- Self-aligning pillow block ball bearings
- V-belt drives for low speed operation
- Sizes range from 24" to 72"
- Belt drive capacities to 73,200 cfm

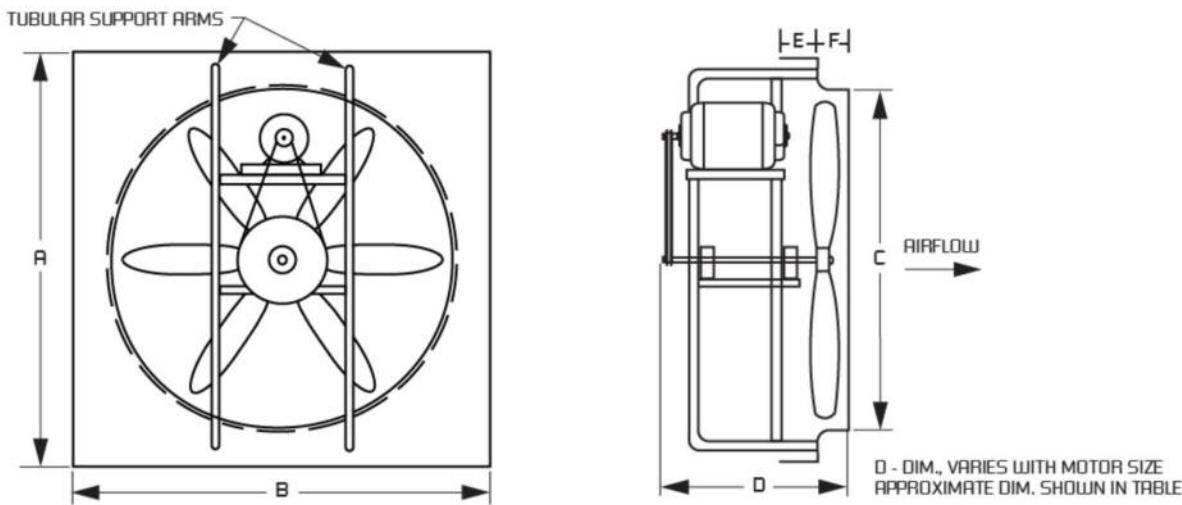


### APPLICATIONS

- Power plant ventilation
- Warehouse ventilation
- Foundry ventilation
- General ventilation
- Factory ventilation
- Parking garage ventilation

### ACCESSORIES / OPTIONS

- Epoxy or polyurethane coatings
- Motor operated shutters
- Gravity shutters
- Bird screen for shutters
- Motor side guard
- Propeller side guard
- Variable pitch sheaves
- Reverse flow construction
- Mounting boot - interior or exterior mount
- Weather hood complete with bird screen
- Explosion proof & special duty motors
- AMCA spark resistant construction



MODEL	DIMENSIONS IN INCHES*						WT (LBS) LESS MTR	MAX MTR FRAME
	A	B	C	D	E	F		
ABP-24	30	30	25.5	20	2.8	3.5	100	145T
ABP-30	36	36	31.5	20	2.8	3.5	135	145T
ABP-36	42	42	37.5	22	2.8	4.0	170	145T
ABP-42	48	48	44.0	24	2.8	4.5	185	184T
ABP-48	54	54	50.5	25	2.8	4.5	195	184T
ABP-54	60	60	56.5	26	2.8	4.8	270	184T
ABP-60	66	66	62.5	28	2.8	5.0	330	184T
ABP-72	80	80	73.0	28	3.0	6.5	625	256T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
ABP-24	800	4,900
ABP-30	900	10,600
ABP-36	1,000	16,554
ABP-42	1,642	23,645
ABP-48	5,000	33,160
ABP-54	9,000	37,450
ABP-60	12,850	44,600
ABP-72	22,516	73,203

# PANEL & FLANGE FANS

## AFK DIRECT DRIVE FLANGE FANS

### FEATURES & BENEFITS

- Airfoil adjustable pitch cast aluminum impeller
- Unit can be built for supply or exhaust configurations
- Superior performance and sound characteristics
- Heavy gauge steel with baked polyester coating
- GRP (polypropylene) blades available
- Ideal for OEM applications or new construction
- Fully reversible design option available
- Advanced computerized selection program
- Sizes range from 12" to 42"
- Capacities to 34,000 cfm

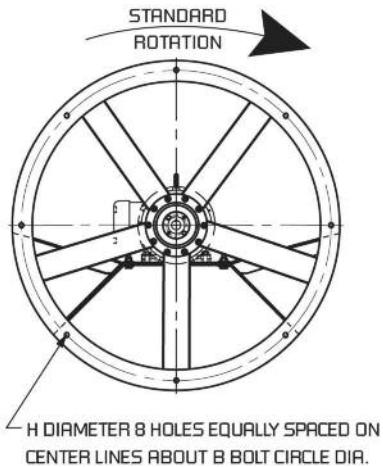
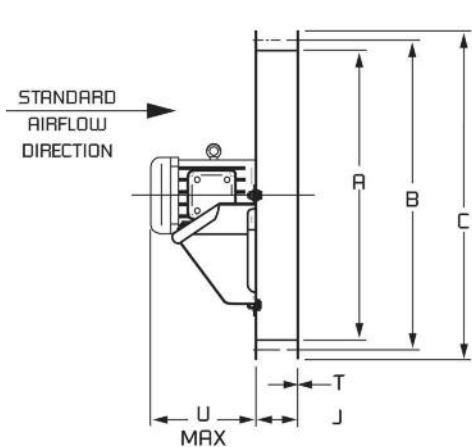


### APPLICATIONS

- General ventilation
- Industrial drying
- Renewable energy
- OEM condensing units
- Marine / shipboard applications
- Circulation / recirculation units

### ACCESSORIES / OPTIONS

- Special coatings
- Special materials
- Mounting panel
- Motor side guard
- Propeller side guard
- Reverse flow construction
- Housing yoke with mounting bracket
- AMCA spark resistant construction
- Explosion proof & special duty motors



MODEL	DIMENSIONS IN INCHES*							
	A	B	C	H	J	T	U MAX	MAX MTR FRAME
AFK-12	12.2	13.8	15.0	0.44	3.0	0.06	11.5	143/5T
AFK-14	14.2	16.3	17.5	0.44	3.0	0.06	11.5	143/5T
AFK-16	16.2	18.0	19.5	0.44	4.0	0.08	11.5	143/5T
AFK-18	18.2	20.8	22.0	0.44	4.0	0.08	11.5	143/5T
AFK-21	21.2	23.3	24.5	0.44	4.0	0.08	11.5	143/5T
AFK-24	24.2	26.3	27.5	0.44	4.0	0.08	11.5	143/5T
AFK-27	27.2	29.3	31.0	0.44	4.0	0.08	13.3	182/4T
AFK-30	30.2	32.6	34.5	0.44	4.0	0.11	16.5	213/5T
AFK-32	32.2	34.4	36.5	0.44	4.0	0.11	16.5	213/5T
AFK-36	36.2	38.4	40.5	0.44	5.0	0.11	16.5	213/5T
AFK-42	42.2	44.6	46.5	0.44	5.0	0.11	21.5	254/6T

\*DO NOT USE FOR CONSTRUCTION

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## WEB HEAVY DUTY WALL FANS

### FEATURES & BENEFITS

- Heavy duty 16 Ga. steel venturi with tubular steel bracing
- Shipped fully assembled, tested and ready to install
- Industrial grade gray enamel finish
- Steel blade impeller
- Permanently lubricated drive shaft bearings
- Permanently lubricated ball bearing motor
- Single or three phase continuous duty motor
- Sizes range from 24" to 60"
- Belt drive capacities to 39,000 cfm
- Available in the following voltages:
  - 115/230V 1 phase
  - 230/460V 3 phase
  - 575V 3 phase

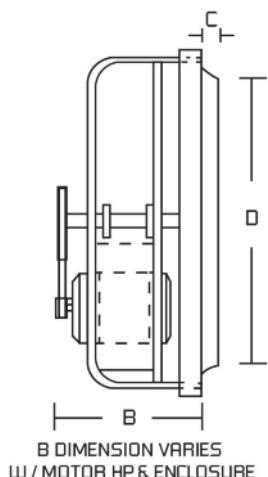
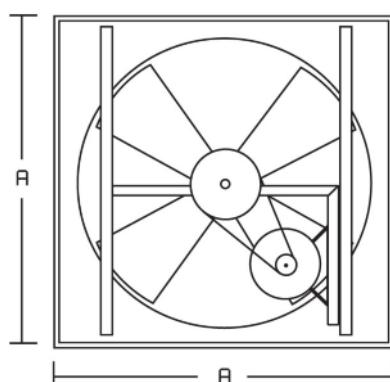


### APPLICATIONS

- General ventilation
- Industrial drying
- Renewable energy
- OEM condensing units
- Marine / shipboard applications
- Circulation / recirculation units

### ACCESSORIES / OPTIONS

- Mounting box
- Discharge shutter
- Rear box guard kit



AIRFLOW PERFORMANCE (CFM)

MODEL	RPM	MTR HP	0" SP	0.125" SP	0.25" SP	0.50" SP	0.75" SP
WEB-24-13	825	1/3	5300	4700	3800	2200	1400
WEB-24-12	925	1/2	6200	5700	5000	4000	2600
WEB-24-34	1050	3/4	7000	6600	6000	4400	3000
WEB-24-01	1175	1	7800	7400	6900	5700	3500
WEB-30-13	570	1/3	7500	6000	3400	700	-
WEB-30-12	625	1/2	8500	7100	4400	2700	1300
WEB-30-34	725	3/4	10000	9100	7600	5100	1800
WEB-30-01	825	1	11000	10400	9300	5500	2800
WEB-36-13	425	1/3	9000	6800	3500	500	-
WEB-36-12	500	1/2	10500	8800	5900	3600	2000
WEB-36-34	575	3/4	11900	10500	8500	5500	4000
WEB-36-01	650	1	13100	11800	10200	6900	5000
WEB-36-32	750	1-1/2	15000	13500	12500	8500	5500
WEB-36-02	830	2	16500	15500	14500	11000	7000
WEB-42-34	430	3/4	14000	11500	7600	4800	3300
WEB-42-01	490	1	15400	13100	10400	6400	4600
WEB-42-32	550	1-1/2	17200	15300	12400	7900	5300
WEB-42-02	620	2	19400	17500	15600	9700	6000
WEB-42-03	700	3	22000	20500	19000	15000	8000
WEB-48-34	350	3/4	17000	12000	7000	2000	-
WEB-48-01	400	1	19100	16000	10900	6400	4000
WEB-48-32	460	1-1/2	22000	19000	14000	10000	6000
WEB-48-02	520	2	24000	22000	18000	12000	7500
WEB-48-03	590	3	27500	25000	22500	16000	9000
WEB-48-05	660	5	30500	28500	26000	21000	13000
WEB-60-02	320	2	31000	26000	16000	7000	-
WEB-60-03	370	3	35000	31000	23000	11000	-
WEB-60-05	420	5	39000	35000	29000	18000	-

\*DO NOT USE FOR CONSTRUCTION

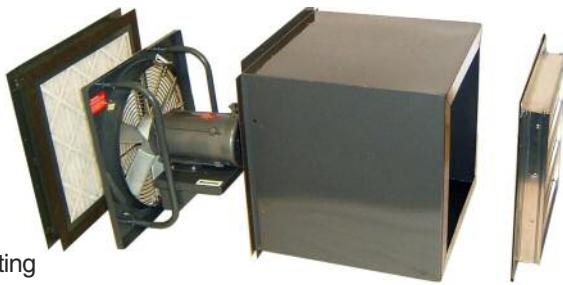
CONSULT FACTORY FOR CERTIFIED PRINTS

# PANEL & FLANGE FANS

## AFF FILTER EXHAUST FANS

### FEATURES & BENEFITS

- Rugged cast aluminum impeller
- OSHA style propeller guard
- Removable filter box section
- TEFC or explosion proof motors, single or three phase
- Disposable 2" filters are high capacity, pleated type that meet MERV 8 rating

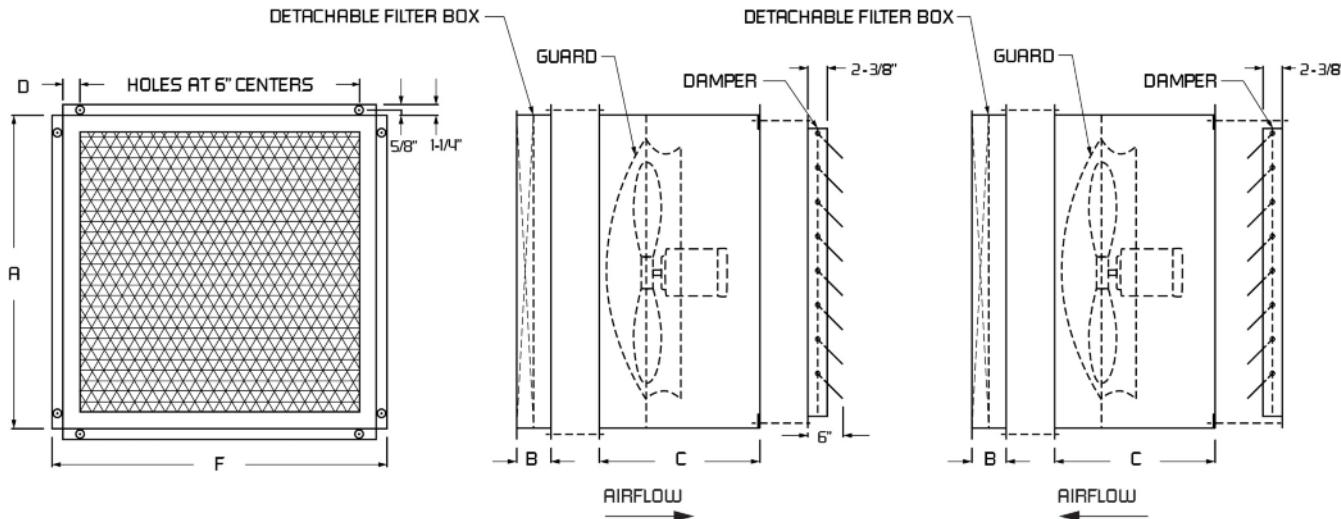


### APPLICATIONS

- Unducted paint booths
- OEM machinery & equipment
- Electrical cabinets

### ACCESSORIES / OPTIONS

- Inlet weatherhood
- Coatings for harsh environments



MODEL	DIMENSIONS IN INCHES*				
	A	B	C	D	F
AFF912	16.25	4	20	2	18.75
AFF916	20.25	4	20	3	22.75
AFF918	24.25	4	20	3	26.75
AFF920	24.25	4	22	3	26.75
AFF924	30.25	4	25	3	32.75
					20x20x2 (1) 20x10x2 (2) 10x10x2 (1)
AFF930	36.25	4	28	3	38.75
AFF936	42.25	33	36	3	44.75
AFF942	48.25	33	37	3	50.75
AFF948	54.25	33	37	3	56.75
					18x18x2 (4) 18x24x2 (4) 24x24x2 (4)
					24x24x2 (8)
					18x24x2 (12)

MODEL	PERFORMANCE				
	BLADE DIAM.	HP	RPM	# FILTERS	CFM w/FILTERS
AFF912	12	1/4	1725	1	520
AFF916	16	1/4	1725	1	2000
AFF918	18	1/2	1725	1	3150
AFF920	20	1	1725	1	6200
AFF924	24	1	1725	4	6350
AFF930	30	1/2	1725	4	6300
AFF936	36	2	1140	8	13875
AFF942	42	2	1140	8	16000
AFF948	48	3	1140	12	18750

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## PACKAGED PANEL FAN OPTION

### FEATURES & BENEFITS

- Can be used with exhaust or intake fans
- Heavy gauge fan and shutter mounting box, factory mounted
- Three types of shutters available:
  - All aluminum gravity shutter for exhaust
  - Motor operated shutter for exhaust
  - Motor operated center pivoted for either supply or reversible operation
- OSHA compliant rear box guard:
  - 12, 16, 18, 20 & 54 inch sizes are fabricated expanded metal
  - 24, 30, 36, 42, 48 & 60 inch sizes are formed wire five piece guards

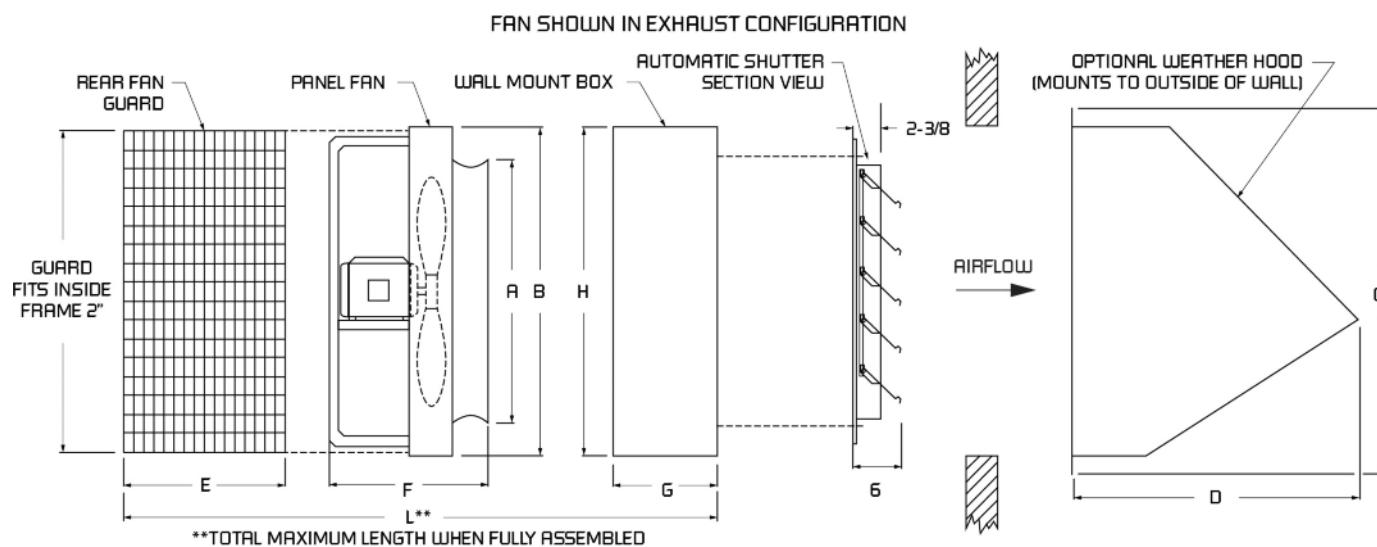


### APPLICATIONS

- Designed for use with ADP, ABP & WEB panel fans
- Simplify mounting in block, concrete, or metal walls
- Use as an optional weather hood with bird screen

### ACCESSORIES / OPTIONS

- Exterior weather hood recommended for intake



FAN SIZE	DIMENSIONS IN INCHES*										SHUTTER SIZE
	A	B	C	D	H	G	WALL OPENING	E	F	L**	
12	13.0	16.0	23.0	22.0	16.25	8.0	16.75	15.0	11.0	22.0	12.0
16	17.5	20.0	27.0	24.0	20.25	9.0	20.75	15.0	11.0	23.0	16.0
18	19.5	24.0	29.0	25.0	24.25	10.0	24.75	15.0	13.0	24.0	18.0
20	21.5	24.0	31.0	26.0	24.25	11.0	24.75	15.0	13.0	25.0	20.0
24	25.5	30.0	35.0	28.0	30.25	14.0	30.75	24.0	15.0	37.0	24.0
30	31.5	36.0	41.0	32.0	36.25	14.0	36.75	24.0	15.0	37.0	30.0
36	37.5	42.0	47.0	36.0	42.25	15.0	42.75	24.0	15.0	38.0	36.0
42	44.5	48.0	53.0	44.0	48.25	16.0	48.75	24.0	18.0	39.0	42.0
48	50.5	54.0	59.0	46.0	54.25	16.0	54.75	24.0	20.0	39.0	48.0
54	56.5	60.0	65.0	50.0	60.25	18.0	60.75	24.0	22.0	41.0	54.0
60	62.0	66.0	71.0	54.0	66.25	18.0	66.75	26.5	22.0	43.5	60.0

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# IN-LINE FANS

## ADD DIRECT DRIVE TUBEAXIAL FANS

### FEATURES & BENEFITS

- Simple maintenance – no belts or pulleys
- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Aerodynamically efficient performance
- Heavy duty welded steel and angle ring construction
- Air dried enamel paint finish
- Mountable in ductwork in any position
- TEFC industrial duty motor
- Sizes range from 12" to 60"
- Direct drive capacities to 61,000 cfm

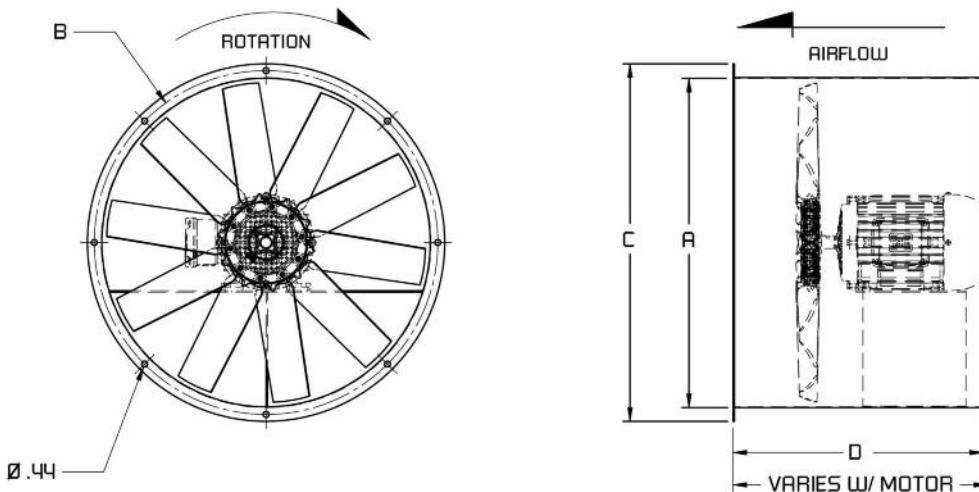


### APPLICATIONS

- Process ventilation
- General ventilation
- In-line duct booster
- Fumes, dust or smoke removal

### ACCESSORIES / OPTIONS

- Epoxy or polyurethane coatings
- Horizontal mounting brackets
- Vertical mounting brackets
- Mounting legs
- Motor side guard
- Propeller side guard
- Inspection door
- Companion flanges
- Externally mounted & wired junction box
- 304 or 316 stainless steel construction
- Explosion proof & special duty motors
- Reverse flow construction



MODEL	DIMENSIONS IN INCHES*					MAX MTR FRAME
	A	B	C	D	WT (LBS) LESS MTR	
ADD-12	12	13.1	14	14	35	56
ADD-18	18	19.1	20	14	45	145T
ADD-24	24	25.8	27	18	75	184T
ADD-27	27	28.8	30	18	90	184T
ADD-30	30	31.8	33	18	110	184T
ADD-34	34	35.8	37	18	130	184T
ADD-36	36	37.9	39	18	160	184T
ADD-42	42	43.6	45	18	190	215T
ADD-48	48	49.6	51	18	425	284T
ADD-54	54	55.6	57	24	645	286T
ADD-60	60	61.6	63	24	700	286T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
ADD-12	600	2,044
ADD-18	1,000	4,600
ADD-24	1,400	10,500
ADD-27	2,000	11,500
ADD-30	2,300	16,000
ADD-34	4,000	21,000
ADD-36	4,500	24,000
ADD-42	5,800	29,000
ADD-48	11,000	41,000
ADD-54	18,000	51,000
ADD-60	24,000	61,000

## AIB BELT DRIVE TUBEAXIAL FANS

### FEATURES & BENEFITS

- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Heavy duty welded steel and angle ring construction
- Air dried enamel paint finish
- Mountable in ductwork in any position
- TEFC industrial duty motor; motor located outside of air stream
- Self-aligning pillow block ball bearings
- V-belt drives for low speed operation
- Completely sealed belt tube protects sheaves and belts from air stream
- Extended lube lines
- Shaft seal & water slinger

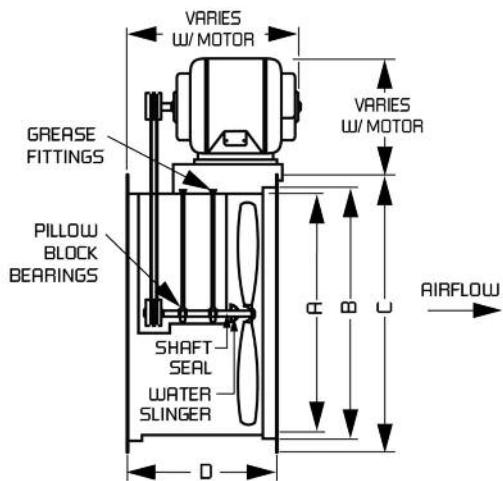
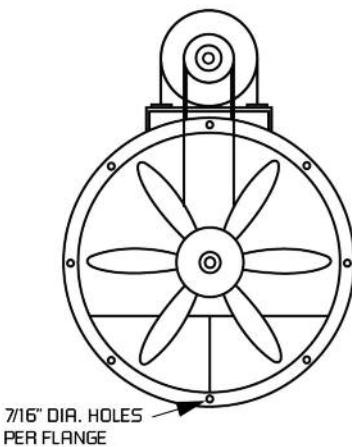


### APPLICATIONS

- Process ventilation
- General ventilation
- In-line duct booster
- Moisture laden air
- Fumes, dust or smoke removal
- Contaminated air streams

### ACCESSORIES / OPTIONS

- Epoxy or polyurethane coatings
- Horizontal mounting brackets
- Vertical mounting brackets
- Mounting legs
- Reverse flow construction
- Propeller side guard
- Motor side guard
- Inspection door
- Companion flanges
- Variable pitch sheaves
- 304 or 316 stainless steel construction
- Maximum 375 F construction
- Explosion proof & special duty motors
- Motor cover and/or belt guard
- AMCA spark resistant construction



MODEL	DIMENSIONS IN INCHES*				
	A	B	C	D	WT (LBS) LESS MTR
AIB-12	12	13.1	14	18	50
AIB-15	15	16.1	17	18	65
AIB-18	18	19.1	20	18	80
AIB-24	24	25.8	27	18	100
AIB-27	27	28.8	30	18	115
AIB-30	30	31.8	33	18	125
AIB-34	34	35.8	37	18	150
AIB-36	36	37.9	39	18	195
AIB-42	42	43.6	45	22	280
AIB-48	48	49.6	51	24	345
AIB-54	54	55.6	57	28	430
AIB-60	60	61.6	63	30	540

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
AIB-12	600	2,044
AIB-15	1,000	4,250
AIB-18	1,500	5,350
AIB-24	1,775	11,400
AIB-27	2,000	13,480
AIB-30	3,500	16,440
AIB-34	6,700	20,500
AIB-36	9,500	22,500
AIB-42	9,950	33,300
AIB-48	13,900	41,200
AIB-54	18,000	45,000
AIB-60	20,000	54,000

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# IN-LINE FANS

## AID AXIAL IN-LINE FANS

### FEATURES & BENEFITS

- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Superior performance & sound characteristics
- Steel housing with corrosion resistant paint
- GRP [polypropylene] blades available
- Fully reversible airflow option
- Custom mounting arrangements available
- External junction box
- Diameters from 12" to 27"; capacities to 11,400 cfm

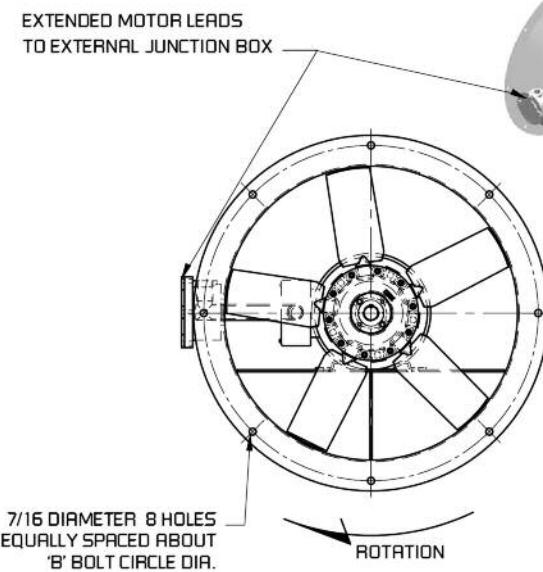
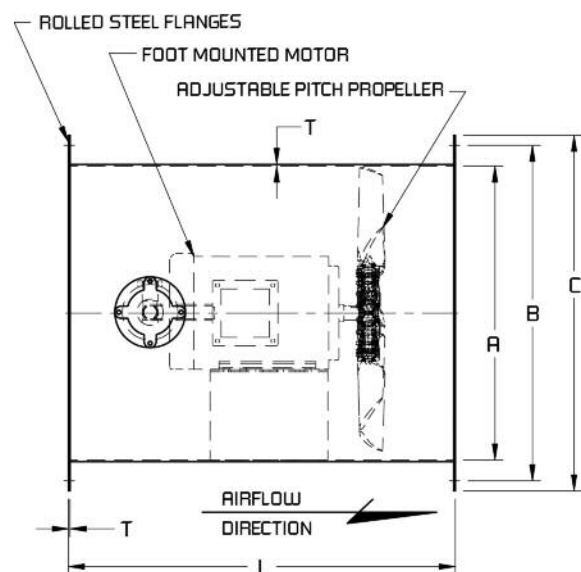


### APPLICATIONS

- Ideal for OEM
- New construction

### ACCESSORIES / OPTIONS

- Mounting feet
- Impeller side guard
- Motor side guard
- Horizontal mounting brackets
- Explosion proof motors
- Special duty motors



MODEL	DIMENSIONS IN INCHES*				
	A	B	C	L	T
AID120	12.2	13.8	15.0	18.0	0.075
AID140	14.2	16.3	17.5	20.0	0.075
AID160	16.2	18.0	19.5	21.0	0.075
AID180	18.2	20.8	22.0	24.0	0.105
AID210	21.2	23.3	24.5	26.0	0.105
AID240	24.2	26.3	27.5	29.0	0.105
AID270	27.2	29.3	31.0	29.0	0.105

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
AID120	500	2600
AID140	800	4200
AID160	900	5600
AID180	1600	6800
AID210	1600	7000
AID240	2800	9000
AID270	3400	11400

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## MID MIXED FLOW IN-LINE FANS

### FEATURES & BENEFITS

- High capacity mixed flow impellers
- Quiet and efficient
- Standard NEMA motors
- Steel housing with corrosion resistant paint
- Custom mounting arrangements available
- External junction box
- Diameters from 12" to 24"; capacities to 5,340 cfm



### APPLICATIONS

- Process ventilation
- Cabinet cooling
- OEM applications

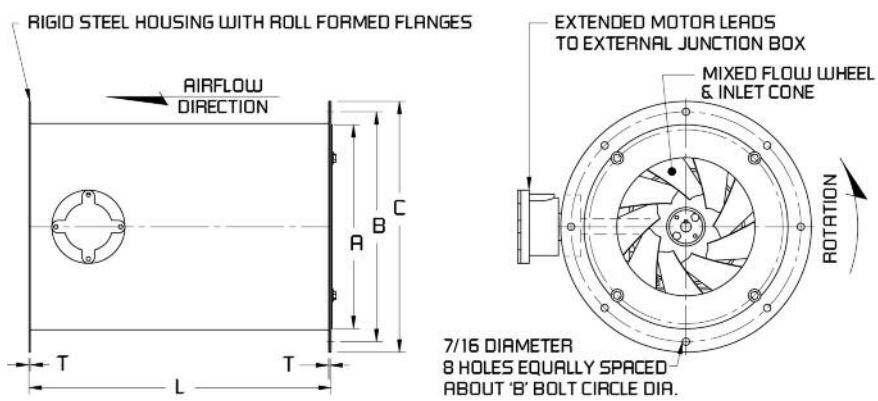
### ACCESSORIES / OPTIONS

- Mounting feet
- Inspection door
- Motor side guard
- Impeller side guard
- Explosion proof motors
- Special duty motors

MODEL	PEAK HP	MTR HP	dBA @5 ft	AIRFLOW PERFORMANCE (CFM) AT 1740 RPM								
				.0" SP	.25" SP	.5" SP	.75" SP	1" SP	1.25" SP	1.5" SP	1.75" SP	2" SP
MID315-1	0.20	1/4	61	1190	1050	890	650	360				
MID315-2	0.23	1/4	62	1390	1260	1080	840	540				
MID315-3	0.31	1/3	64	1630	1470	1300	1050	720				
MID315-4	0.39	1/2	65	1830	1680	1490	1250	870				
MID315-5	0.49	1/2	65	2020	1870	1680	1400	924				
MID350-1	0.34	1/2	61	1850	1720	1570	1390	1110	690			
MID350-2	0.43	1/2	62	2180	2050	1890	1690	1410	980			
MID350-3	0.53	1/2	65	2540	2390	2190	2010	1700	1290			
MID350-4	0.67	3/4	66	2930	2770	2580	2350	2050	1500			
MID350-5	0.86	1	66	3280	3110	2900	2620	2230				
MID400-1	0.64	3/4	68	2630	2480	2310	2140	1930	1640	1260	700	
MID400-2	0.82	1	69	3150	3010	2780	2560	2320	2040	1540	960	
MID400-3	1.02	1	70	3590	3410	3220	3020	2740	2440	1990	1170	
MID400-4	1.23	1 1/2	73	4030	3840	3620	3390	3140	2830	2280	1340	
MID400-5	1.45	1 1/2	73	4380	4200	4000	3780	3490	3140	2410		
MID450-1	0.97	1	70	3600	3460	3300	3110	2900	2670	2350	1950	1360 970
MID450-2	1.27	1 1/2	72	4470	4280	4060	3870	3630	3360	3000	2590	1960 1320
MID450-3	1.58	1 1/2	73	5340	5130	4900	4640	4360	4060	3650	3170	2440 1670
MODEL	PEAK HP	MTR HP	dBA @5 ft	0" SP	.25" SP	.5" SP	.75" SP	1" SP	1.5" SP	2" SP	2.5" SP	3" SP
MID250-1	0.46	1/2	72	990	950	900	840	770	570	380	250	150
MID250-2	0.49	1/2	71	1260	1220	1160	1090	1010	810	570	390	240
MID250-3	0.52	3/4	71	1460	1410	1360	1300	1220	1000	730	500	300
MID250-4	0.64	3/4	72	1640	1590	1530	1460	1360	1190	870	580	360
MID250-5	0.79	1	72	1800	1750	1700	1630	1550	1300	930		
MID315-1	1.94	2	80	2470	2410	2340	2270	2200	2060	1860	1630	1330 790 410
MID315-2	2.21	2	81	2970	2900	2830	2750	2660	2490	2290	2080	1770 1090 570

MODEL	DIMENSIONS IN INCHES*				
	A	B	C	L	T
MID250	12.2	13.8	15.0	18.0	0.075
MID315	16.2	18.0	19.5	21.0	0.075
MID355	18.2	20.8	22.0	24.0	0.105
MID400	21.2	23.3	24.5	26.0	0.105
MID450	24.2	26.3	27.5	29.0	0.105

\*DO NOT USE FOR CONSTRUCTION  
CONSULT FACTORY FOR CERTIFIED PRINTS



# IN-LINE FANS

## TID CENTRIFUGAL IN-LINE FANS

### FEATURES & BENEFITS

- Backward curved airfoil (BCA) impeller
- Non-overloading power characteristics
- Super quiet, highly efficient performance
- Rugged glass reinforced polyamide impeller
- Steel housing with corrosion resistant paint
- Custom mounting arrangements available
- External junction box
- Standard NEMA motors
- Diameters from 12" to 24"; capacities to 4,258 cfm



### APPLICATIONS

- Process ventilation
- Cabinet cooling
- General ventilation

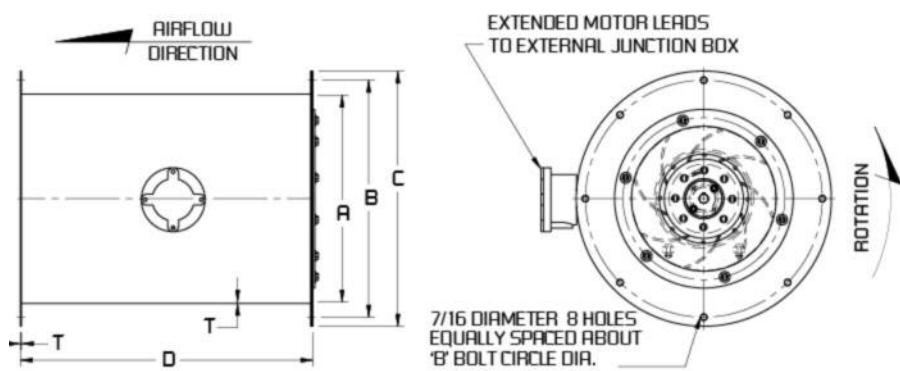
### ACCESSORIES / OPTIONS

- Mounting feet
- Impeller side guard
- Motor side guard
- Inspection door
- Explosion proof motors
- Special duty motors

MODEL	PEAK HP	MTR HP	dBA @ 5 ft	AIRFLOW PERFORMANCE (CFM) AT 1740 RPM								
				0" SP	.25" SP	.50" SP	.75" SP	1" SP	1.25" SP	1.5" SP	1.75" SP	2" SP
TID280	0.16	1/4	62	1080	990	880	700	450				
TID315	0.34	1/2	67	1570	1460	1350	1210	1020	790	490		
TID355	0.65	3/4	72	2160	2050	1940	1820	1670	1480	1240	940	
TID400	1.23	1 1/2	73	2850	2750	2640	2530	2410	2270	2090	1840	1610
TID450	1.82	2	74	4220	4070	3920	3760	3590	3400	3190	2900	2660
MODEL	PEAK HP	MTR HP	dBA @ 5 ft	AIRFLOW PERFORMANCE (CFM) AT 3450 RPM								
				0" SP	.5" SP	1" SP	1.5" SP	2" SP	2.5" SP	3" SP	3.5" SP	4" SP
TID200	0.24	1/3	68	810	740	650	520	380				
TID225	0.44	1/2	73	1020	960	900	810	690	520	380		
TID250	0.66	3/4	75	1530	1450	1360	1260	1120	960	790	510	
TID280	1.41	1 1/2	77	2140	2060	1980	1870	1750	1590	1390	1140	850
TID315	2.58	3	82	3130	3020	2910	2790	2660	2520	2360	2160	1990
TID355	4.98	5	86	4258	4146	4037	3928	3814	3692	3560	3412	3248
												500

MODEL	DIMENSIONS IN INCHES*				
	A	B	C	D	T
TID200	12.2	13.8	15.0	18	0.075
TID225	14.2	16.3	17.5	20	0.075
TID250	14.2	16.3	17.5	20	0.075
TID280	16.2	18.0	19.5	21	0.075
TID315	18.2	20.8	22.0	24	0.105
TID355	21.2	23.3	24.5	26	0.105
TID400	24.2	26.3	27.5	29	0.105
TID450	24.2	26.3	27.5	29	0.105

\*DO NOT USE FOR CONSTRUCTION  
CONSULT FACTORY FOR CERTIFIED PRINTS



## AXC IN-LINE DUCT FANS

### FEATURES & BENEFITS

- ENERGY STAR® qualified models available (AXC-ES)
- Heavy gauge, drawn steel housing with baked epoxy finish
- 120V operation, other voltages available
- Exceptionally quiet and efficient BC motorized impeller
- Fans may be used to supply or exhaust air
- External rotor motor design results in superior motor cooling, durability
- Permanently lubricated ball bearing motors for maintenance free operation
- Automatic reset thermal overload protection
- Fan and motor are precision balanced for quiet and vibration-free operation
- Maximum permissible ambient temperature: 140 F
- Fits duct size 4" - 14", capacities to 1,400 cfm



### ACCESSORIES / OPTIONS

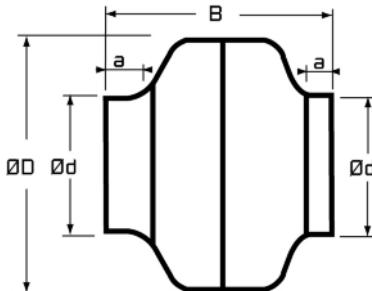
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|---------------------|----------------------------|--------------------|
| • Speed controls    | • Backdraft dampers        | • Mounting clamps  |
| • Pressure switches | • Supply & exhaust grilles | • Roof & wall caps |

MODEL	WATTS	RPM	ENERGY STAR®	AIRFLOW PERFORMANCE (CFM)									
				0"SP	0.2"SP	0.4"SP	0.6"SP	0.8"SP	1.0"SP	1.2"SP	1.5"SP	2.0"SP	3.0"SP
AXC100A-ES	43.3	2580	YES	147	130	107	82	57	34	11			
AXC100B	83.4	2620	NO	150	140	127	112	94	74	53	23		
AXC125A-ES	44.4	2520	YES	179	150	121	87	49	14				
AXC125B	85.4	2750	NO	183	160	141	122	101	77	51	14		
AXC150A-ES	46.8	2390	YES	235	190	148	97	44					
AXC150B-ES	89.2	2450	YES	308	260	216	175	139	108	81	47		
AXC200A-ES	84.5	2500	YES	368	300	234	184	149	114	70			
AXC200B-ES	188	2550	YES	579	520	453	387	329	282	245	206	154	
AXC250-ES	197	2470	YES	616	550	488	431	379	330	286	227	143	
AXC300A-ES	206	2450	YES	780	700	595	420	330	290	255	210	132	
AXC300B-ES	312	2780	YES	970	910	803	680	559	453	367	273	164	
AXC355A	334	1360	NO	1325	1150	960	790	660	550	430	238		
AXC355B	830	2900	NO	1400	1370	1325	1250	1210	1135	1090	1000	880	675

MODEL	DIMENSIONS IN INCHES*				
	D	d	a	B	WT (lbs)
AXC100A-ES	9.5	3.9	1.0	8.3	6.5
AXC100B	9.5	3.9	1.0	8.3	6.5
AXC125A-ES	9.5	4.8	1.0	8.3	6.5
AXC125B	9.5	4.8	1.0	8.3	6.5
AXC150A-ES	9.5	5.8	1.0	8.3	6.5
AXC150B-ES	13.2	5.8	1.0	9.1	11.0
AXC200A-ES	13.2	7.8	1.0	9.1	11.0
AXC200B-ES	13.2	7.8	1.0	9.1	11.0
AXC250-ES	13.2	9.8	1.0	9.1	11.0
AXC300A-ES	15.9	11.8	1.2	11.8	18.0
AXC300B-ES	15.9	11.8	1.2	11.8	20.0
AXC355A	19.0	14.0	1.5	15.7	26.0
AXC355B	19.0	14.0	1.5	15.7	31.0

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS



AXC models 355A and 355B are CSA listed to both US and Canadian standards.

Products are HVI certified for airflow and power at 0.2" SP. HVI currently does not have a standard in place for testing the sound of a remote mounted fan. Many factors, such as ducting and fan location, can contribute to sound levels. Generally, a remote mounted fan should be quieter than a typical ceiling mounted fan.

Fan models ending in -ES are ENERGY STAR® qualified

# ROOF VENTILATORS

## UDVL DIRECT DRIVE UPBLAST ROOF VENTILATORS

### FEATURES & BENEFITS

- Low silhouette weatherproof closure for vertical air discharge
- Direct drive, low maintenance
- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Aerodynamically efficient performance
- TEFC industrial duty motor
- Weather-tight steel curb panel
- Heavy duty welded steel construction
- Air dried enamel paint finish
- Rugged galvanized damper section with butterfly damper blades
- Damper rods turn in nylon bearings and require no lubrication

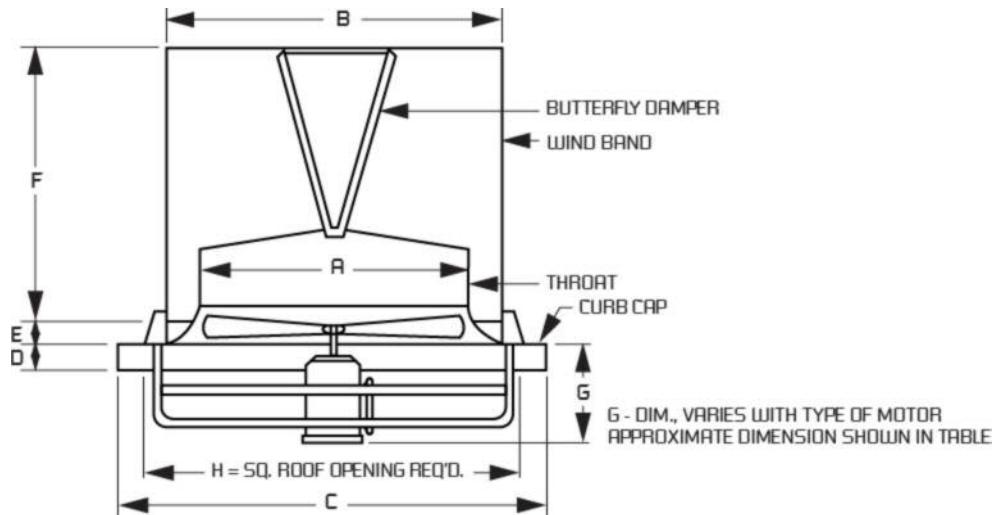


### APPLICATIONS

- General ventilation
- Exhaust or smoke fumes

### ACCESSORIES / OPTIONS

- Epoxy or polyurethane coatings
- Pre-fabricated roof curbs
- Explosion proof motors
- Special duty motors
- Disconnect switches, mounted or mounted & wired
- Hot dipped galvanized construction
- 304 or 316 stainless steel construction
- Magnetic damper pads for positive closure



MODEL	DIMENSIONS IN INCHES*								WT (LBS) LESS MTR	MAX MTR FRAME
	A	B	C	D	E	F	G	H		
UDVL-18	19	24	33 SQ.	2.5	3	16	13	24	150	145T
UDVL-24	25	30	39 SQ.	2.5	3	19	15	30	213	184T
UDVL-30	31	36	45 SQ.	2.5	3	22	15	36	255	184T
UDVL-36	37	42	51 SQ.	2.5	3	25	18	42	305	215T
UDVL-42	43	48	57 SQ.	2.5	3	27	18	48	295	256T
UDVL-48	49	54	63 SQ.	2.5	3	30	20	54	490	256T
UDVL-60	61	66	75 SQ.	2.5	3	42	22	66	615	256T

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
UDVL-18	2,650	4,600
UDVL-24	4,715	10,500
UDVL-30	7,365	17,750
UDVL-36	10,605	22,600
UDVL-42	14,435	28,970
UDVL-48	18,765	41,000
UDVL-60	29,445	54,000

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

MINIMUM CFM VALUE REQUIRED  
TO OPEN DAMPER BLADES

## UBVL BELT DRIVE UPBLAST ROOF VENTILATORS

### FEATURES & BENEFITS

- Low silhouette weatherproof closure for vertical air discharge
- V-belt drive for low speed operation
- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Aerodynamically efficient performance
- TEFC industrial duty motor
- Self-aligning pillow block ball bearings
- Weather-tight steel curb panel
- Heavy duty welded steel construction
- Air dried enamel paint finish
- Rugged galvanized damper section with butterfly damper blades
- Damper rods turn in nylon bearings and require no lubrication

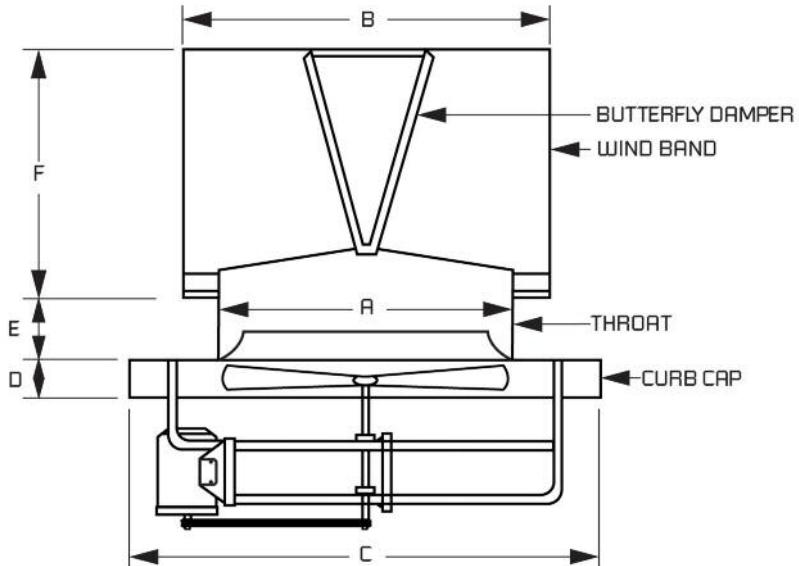


### APPLICATIONS

- General ventilation
- Exhaust or smoke fumes

### ACCESSORIES / OPTIONS

- Epoxy or polyurethane coatings
- Pre-fabricated roof curbs
- Explosion proof motors
- Special duty motors
- Disconnect switches, mounted or mounted & wired
- Hot dipped galvanized construction
- 304 or 316 stainless steel construction
- Magnetic damper pads for positive closure



MODEL	DIMENSIONS IN INCHES*						WT (LBS) LESS MTR FRAME	MAX MTR FRAME
	A	B	C	D	E	F		
UBVL-24	25	30	39 SQ.	2.5	3	19	270	145T
UBVL-30	31	36	45 SQ.	2.5	3	22	330	145T
UBVL-36	37	42	51 SQ.	2.5	3	25	350	145T
UBVL-42	43	48	57 SQ.	2.5	3	27	413	184T
UBVL-48	49	54	63 SQ.	2.5	3	30	478	184T
UBVL-54	55	60	69 SQ.	2.5	3	36	830	184T
UBVL-60	61	66	75 SQ.	2.5	3	42	895	184T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
UBVL-24	4,715	7,090
UBVL-30	7,365	12,473
UBVL-36	10,605	16,554
UBVL-42	14,435	23,645
UBVL-48	18,765	33,160
UBVL-54	23,850	37,458
UBVL-60	29,445	44,600

MINIMUM CFM VALUE REQUIRED  
TO OPEN DAMPER BLADES

# ROOF VENTILATORS

## UVB BELT DRIVE UPBLAST ROOF VENTILATORS

### FEATURES & BENEFITS

- Standard upblast weatherproof closure for vertical air discharge
- V-belt drive for low speed operation
- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- TEFC motor located outside of airstream
- Adjustable motor base with self-aligning pillow block ball bearings
- Completely sealed belt tube to protect V-belt drive
- Extended lube lines
- Heavy duty welded steel construction
- Weather-tight steel curb panel
- Air dried enamel paint finish
- Rugged galvanized damper section with butterfly damper blades
- Damper rods turn in nylon bearings and require no lubrication

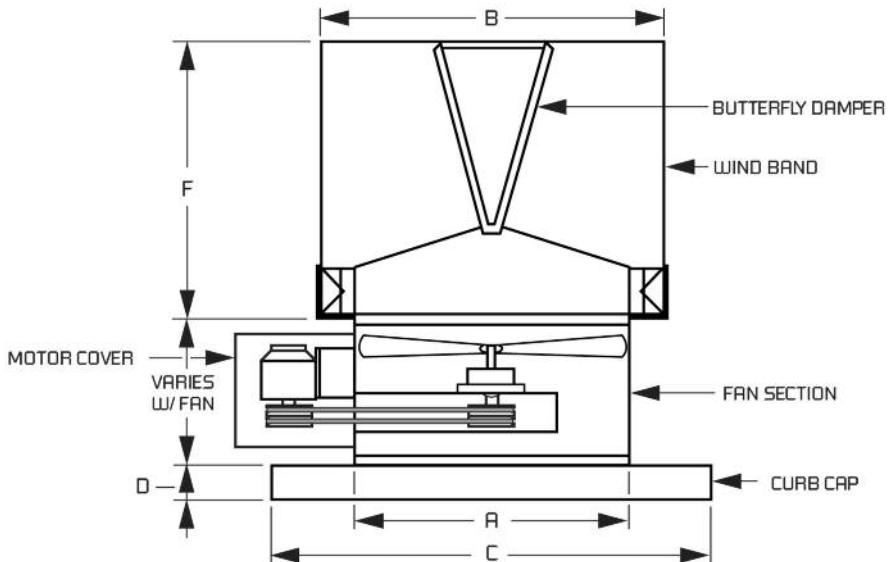


### APPLICATIONS

- General ventilation
- Moisture laden air
- Exhaust, heat or smoke fumes
- Mild contaminates in the air stream

### ACCESSORIES / OPTIONS

- Epoxy or polyurethane coatings
- Pre-fabricated roof curbs
- Explosion proof motors
- Special duty motors
- Disconnect switches, mounted or mounted & wired
- Hot dipped galvanized construction
- 304 or 316 stainless steel construction
- Magnetic damper pads for positive closure



MODEL	DIMENSIONS IN INCHES*					
	A	B	C	D	F	WT (LBS) LESS MTR FRAME
UVB-18	18	24	33 SQ.	2.5	12.0	240
UVB-24	24	30	39 SQ.	2.5	16.0	333
UVB-30	30	36	45 SQ.	2.5	18.0	430
UVB-36	36	42	51 SQ.	2.5	22.5	455
UVB-42	42	48	57 SQ.	2.5	25.0	650
UVB-48	48	54	63 SQ.	2.5	25.5	680
UVB-54	54	60	69 SQ.	2.5	28.5	810
UVB-60	60	66	75 SQ.	2.5	32.0	850

AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
UVB-18	2,650	5,350
UVB-24	4,715	10,500
UVB-30	7,365	16,440
UVB-36	10,605	22,500
UVB-42	14,435	33,300
UVB-48	18,432	41,200
UVB-54	25,984	45,472
UVB-60	29,445	61,000

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

MINIMUM CFM VALUE REQUIRED  
TO OPEN DAMPER BLADES

## HRV HOODED ROOF VENTILATORS

### FEATURES & BENEFITS

- Supply or exhaust applications
- Direct drive (HRVD) or belt drive (HRVB) arrangements
- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Aerodynamically efficient performance
- Heavy duty welded steel base
- Air dried enamel paint finish
- Aluminum hood with birdscreen
- TEFC industrial duty motor
- Direct drive units are easily maintained – no belts or pulleys
- Belt drive units have self-aligning pillow block bearings
- Belt drive units use v-belt drive for low speed operation

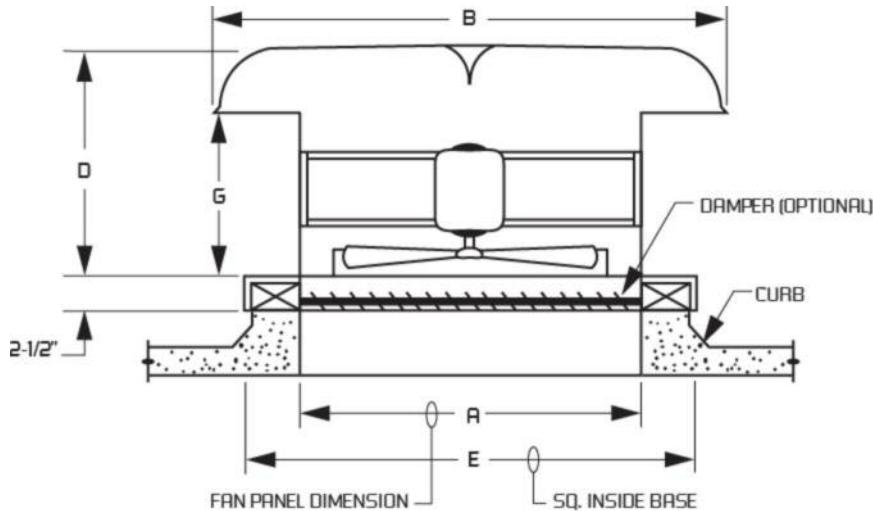


### APPLICATIONS

- General ventilation
- Make-up air
- Heat exhaust
- Fume and smoke exhaust
- Filtered air supply

### ACCESSORIES / OPTIONS

- Filtered intake unit
- Gravity shutter for exhaust only
- Pre-fabricated roof curbs
- Epoxy or polyurethane coatings
- Custom curb panel to match existing curb
- 2" thick disposable filters, for filtered intake unit
- Variable pitch sheaves for easy & accurate adjustment
- Disconnect switch - mounted, or mounted & wired
- Motor operated damper for supply or exhaust applications
- Explosion proof & special duty motors



MODEL	DIMENSIONS IN INCHES*							
	A	B	D	E	G	WT (LBS) LESS MTR	MAX MTR FRAME	HP
HRV-24	30	54 x 64	41.5	39	25.5	324	145T	1/4 - 1
HRV-30	36	60 x 76	41.5	45	25.5	365	145T	1/3 - 1 1/2
HRV-36	42	72 x 82	45.5	51	27.5	410	145T	1/3 - 2
HRV-42	48	80 x 89	45.5	57	27.5	503	184T	1/2 - 3
HRV-48	54	87 x 95	49.5	63	29.5	630	184T	3/4 - 5
HRV-54	60	92 x 98	50.5	69	29.5	870	215T	1 - 5
HRV-60	66	90 x 107	54.5	75	31.5	1140	215T	1 - 10

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

MODEL	AIRFLOW PERFORMANCE (CFM)		
	MINIMUM	MAXIMUM	MAXIMUM CFM W/ FILTERS
HRV-24	800	6,700	4,875
HRV-30	800	11,800	12,000
HRV-36	1,800	15,376	14,000
HRV-42	3,300	22,296	16,000
HRV-48	4,283	30,900	18,000
HRV-54	8,000	35,238	17,500
HRV-60	9,600	47,000	32,000

# CENTRIFUGAL FANS & BLOWERS

## TCD BC AIRFOIL BLOWERS

### FEATURES & BENEFITS

- Highly efficient airfoil (BCA) design
- Direct drive, non-overloading BC airfoil impeller
- Epoxy coated steel housing
- Flanged and drilled outlet, ABS inlet cone
- Rugged GRP impeller
- Cast aluminum impeller hub w/bushing
- Single or three phase TEFC motors
- CW rotation; rotatable to 5 positions
- Compact design, rugged construction



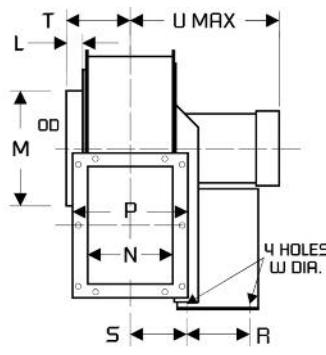
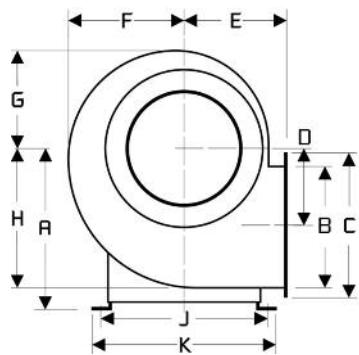
### ACCESSORIES / OPTIONS

- Inlet flange
- Backdraft damper
- Explosion proof motors
- Inlet guard
- Weather hood
- Special duty motors
- Shaft seal
- CCW rotation

MODEL	MTR. HP	dBA @5'	AIRFLOW PERFORMANCE (CFM) AT 1750 RPM													
			0" SP		0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TCD250	1/4	58	840	0.08	670	0.09	440	0.08								
TCD280	1/4	62	1130	0.18	1030	0.18	770	0.18	350	0.16						
TCD315	1/2	67	1650	0.33	1480	0.33	1290	0.34	1010	0.33	570	0.28				
TCD355	3/4	72	2320	0.63	2110	0.64	1900	0.65	1630	0.64	1300	0.63	720	0.57		
TCD400	1 1/2	73	3070	1.20	2880	1.21	2650	1.22	2410	1.23	2140	1.22	1790	1.21	1240	1.17
TCD450	2	74	4490	1.75	4320	1.77	4080	1.80	3780	1.81	3460	1.82	3080	1.80	2660	1.77

MODEL	MTR. HP	dBA @5'	AIRFLOW PERFORMANCE (CFM) AT 3450 RPM													
			0" SP		1" SP		2" SP		3" SP		4" SP		5" SP		6" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TCD200	1/3	68	870	0.24	700	0.24	500	0.21	275	0.17						
TCD225	1/2	73	1060	0.42	950	0.43	780	0.44	580	0.42						
TCD250	3/4	75	1625	0.64	1520	0.65	1320	0.66	1110	0.66	870	0.64	440	0.53		
TCD280	1 1/2	77	2220	1.35	2170	1.37	2000	1.39	1760	1.41	1480	1.40	1150	1.34	560	1.13
TCD315	3	82	3330	2.48	3160	2.52	2960	2.53	2740	2.55	2500	2.57	2230	2.58	1910	2.53
TCD355	5	86	4574	4.83	4412	4.75	4324	4.83	4180	4.67	4060	4.67	3553	4.60	3230	4.53



MODEL	DIMENSIONS IN INCHES*																WT (lbs) LESS MTR		
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U MAX	W
TCD200	10.5	7.1	9.5	4.7	6.8	7.2	6.1	8.6	11.5	13.0	1.5	7.0	5.3	7.7	5.5	3.7	4.3	11.1	0.5
TCD225	11.5	7.9	10.2	5.6	7.5	8.3	6.9	9.9	12.5	14.0	1.5	8.0	6.1	8.5	5.5	4.1	4.7	12.9	0.5
TCD250	12.5	8.7	11.0	6.4	8.2	9.1	7.6	11.1	13.5	15.0	1.5	9.0	6.9	9.3	5.5	4.5	5.1	13.3	0.5
TCD280	14.0	10.2	12.6	6.7	8.9	10.1	8.5	12.2	14.5	16.0	1.5	10.0	7.7	10.0	8.0	4.9	5.5	13.7	0.5
TCD315	15.5	11.8	14.2	7.6	9.8	11.3	9.6	13.8	17.5	19.5	2.0	12.0	8.5	10.8	10.0	5.6	6.6	16.1	0.6
TCD355	17.5	13.4	15.8	8.4	10.7	12.6	10.6	15.4	19.0	21.0	2.0	14.0	9.5	11.8	12.0	6.1	7.1	14.6	0.6
TCD400	19.5	15.2	18.3	9.3	11.8	14.1	11.9	17.2	21.0	23.0	2.0	16.0	10.6	13.8	12.0	6.7	7.7	15.7	0.6
TCD450	21.5	16.9	20.1	10.5	13.2	16.0	13.3	19.3	23.0	25.0	2.0	18.0	11.8	15.0	12.0	7.3	8.3	17.8	0.6

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## TFD FLANGE MOUNT BLOWERS

### FEATURES & BENEFITS

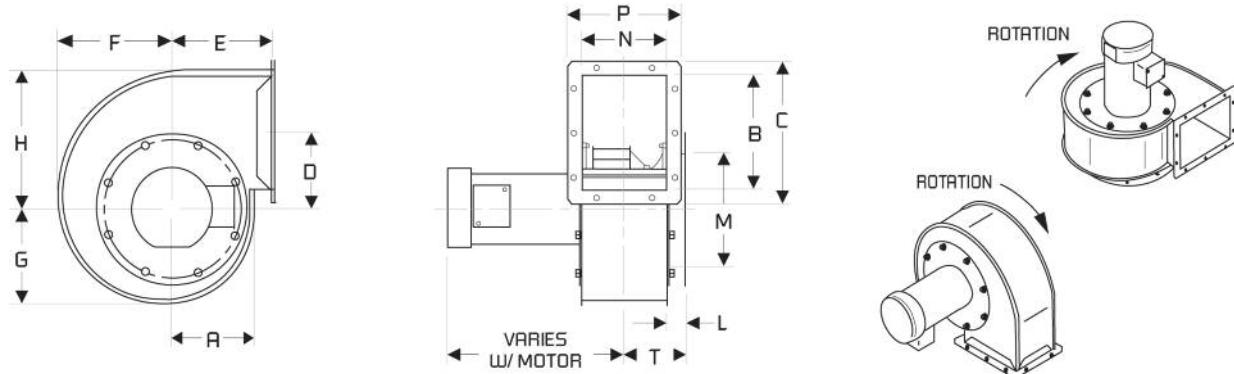
- Super quiet, non-overloading 'TEK' impeller
- Epoxy coated steel housing
- Flanged and drilled outlet, ABS inlet cone
- Rugged GRP airfoil impeller
- Cast aluminum impeller hub w/bushing
- Single or three phase TEFC motors
- CW rotation rotatable to any position
- Compact design, rugged construction
- Capacities to 4,500 cfm



### ACCESSORIES / OPTIONS

- Shaft seal
- Inlet filter
- Inlet guard
- Inlet flange
- Open or explosion proof motors
- CCW rotation

MODEL	MTR. HP	dBA @5'	AIRFLOW PERFORMANCE (CFM) AT 1750 RPM													
			0" SP		0.5" SP		1" SP		1.5" SP		2" SP		2.5" SP		3" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TFD250	1/4	58	840	0.1	670	0.1	440	0.1								
TFD280	1/4	62	1130	0.2	1030	0.2	770	0.2	350	0.2						
TFD315	1/2	67	1650	0.3	1480	0.3	1290	0.3	1010	0.3	570	0.3				
TFD355	3/4	72	2320	0.6	2110	0.6	1900	0.7	1630	0.6	1300	0.6	720	0.6		
TFD400	1-1/2	73	3070	1.2	2880	1.2	2650	1.2	2410	1.2	2140	1.2	1790	1.2	1240	1.2
TFD450	2	74	4490	1.8	4320	1.8	4080	1.8	3780	1.8	3460	1.8	3080	1.8	2660	1.8
AIRFLOW PERFORMANCE (CFM) AT 3450 RPM																
MODEL	MTR. HP	dBA @5'	0" SP		1" SP		2" SP		3" SP		4" SP		5" SP		6" SP	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
TFD200	1/4	68	870	0.2	700	0.2	500	0.2	275	0.2						
TFD225	1/2	73	1060	0.4	950	0.4	780	0.4	580	0.4						
TFD250	3/4	75	1625	0.6	1520	0.7	1320	0.7	1110	0.7	870	0.6	440	0.5		
TFD280	1-1/2	77	2220	1.4	2170	1.4	2000	1.4	1760	1.4	1480	1.4	1150	1.3	560	1.1
TFD315	3	82	3330	2.5	3160	2.5	2960	2.5	2740	2.6	2500	2.6	2230	2.6	1910	2.5



MODEL	DIMENSIONS IN INCHES*												
	A	B	C	D	E	F	G	H	L	M	N	P	T
TFD200	5.4	6.9	9.5	4.9	6.8	7.3	6.1	8.8	1.6	7.0	5.2	7.7	4.3
TFD225	6.0	7.7	10.2	5.6	7.5	8.2	6.8	9.9	1.6	8.0	5.9	8.5	4.7
TFD250	6.6	8.7	11.0	6.1	8.2	9.0	7.5	10.9	1.7	9.0	6.9	9.3	5.2
TFD280	7.4	10.1	12.6	6.8	8.9	10.1	8.4	12.2	1.7	10.0	7.5	10.0	5.5
TFD315	8.2	11.7	14.2	7.5	9.8	11.3	9.3	13.7	2.2	12.0	8.3	10.8	6.4
TFD355	9.2	13.3	15.8	8.4	10.7	12.7	10.5	15.4	2.2	14.0	9.3	11.8	6.9
TFD400	10.4	15.1	18.3	9.2	11.8	14.1	11.8	17.1	2.2	16.0	10.4	13.8	7.5
TFD450	11.7	16.8	20.1	10.6	13.2	15.9	13.1	19.3	2.2	18.0	11.5	15.0	8.1

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# CENTRIFUGAL FANS & BLOWERS

## BIU UTILITY FANS

### FEATURES & BENEFITS

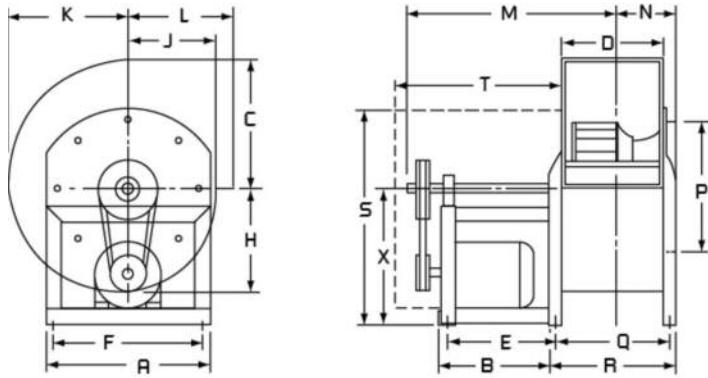
- Heavy gauge, rugged welded steel construction
- Backward inclined steel wheels on sizes BIU-10 thru BIU-24
- Backward curved airfoil steel wheels on sizes BIU-27 thru BIU-36
- Self-aligning pillow block bearings
  - Standard bearings have 100,000 hours average life
  - Special bearings available with 400,000 hours average life
- CW or CCW rotation; discharge rotatable to 8 positions
- Rigid circular stamped inlet ring
- Adjustable V-belt drive
- TEFC industrial duty motor
- AMCA Class I construction



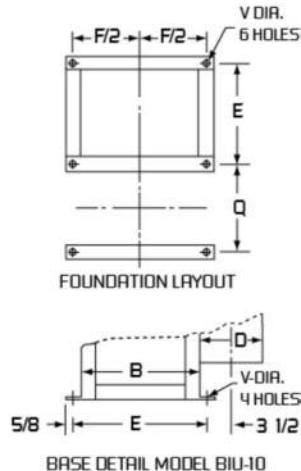
### ACCESSORIES / OPTIONS

- |                               |                         |   |
|-------------------------------|-------------------------|---|
| • Weather cover / drive cover | • Belt guard            | • Inspection doors (bolted or quick open)   |
| • Inlet & discharge screens   | • Drain fitting         | • Vibration pads (spring rail or RIS rail)  |
| • Explosion proof motors      | • Special duty motors   | • AMCA Type A, B & C construction           |
| • Automatic discharge shutter | • Class II construction | • High temperature construction (max 500 F) |

### ARRANGEMENT 10, SWSI, CLASS I



Note: Letters "C" and "D" are outside housing dimensions.  
"C" dimension on BIU-10 extends 1.06 beyond center-line.



AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
BIU-10	509	2671
BIU-12	686	4118
BIU-13	839	5035
BIU-15	1024	5888
BIU-16	1248	7176
BIU-18	1519	8735
BIU-20	1854	10199
BIU-22	2262	13004
BIU-24	3458	15907
BIU-27	3352	15922
BIU-30	4136	19646
BIU-33	5008	23788
BIU-36	6128	30640

MODEL	DIMENSIONS IN INCHES*										MTR FRAME											
	WHEEL DIA.	SHAFT DIA.	A	B	C	D	E	F	TH, DB, BH, UB STRAIGHT DISCHARGE				M	N	P	Q	R	S	T	V	X	
									H	J	K	L										
BIU-10	10.50	0.75	12.9	13.0	11.6	8.0	14.3	10.8	7.9	6.8	9.1	8.1	19.6	6.0	12.9	-	-	20.5	17.0	0.4	14.0	145T
BIU-12	12.25	1.00	16.4	13.5	13.3	9.6	13.5	14.8	10.1	8.5	11.5	10.5	23.9	6.4	13.3	11.3	12.8	25.3	20.0	0.5	17.0	182T
BIU-13	13.50	1.00	17.6	13.5	14.6	10.8	13.5	16.0	11.1	9.4	12.6	11.4	24.4	7.0	14.5	12.4	13.9	25.9	20.0	0.5	17.0	182T
BIU-15	15.00	1.00	19.3	15.5	16.3	11.8	15.5	17.6	12.4	10.4	14.1	12.4	26.9	7.5	16.1	13.8	14.9	27.6	22.0	0.5	17.9	182T
BIU-16	16.50	1.00	21.4	15.0	17.8	13.0	15.5	19.8	13.6	11.4	15.5	13.4	27.5	8.5	17.9	14.5	17.0	30.1	22.0	0.5	19.5	184T
BIU-18	18.25	1.19	23.1	17.0	19.6	14.3	17.5	21.5	15.0	12.6	17.1	14.6	30.6	9.1	19.6	15.8	18.3	33.4	25.0	0.5	21.9	184T
BIU-20	20.00	1.19	25.0	17.0	21.5	15.9	17.0	23.4	16.5	13.8	18.8	15.8	31.5	10.0	21.5	17.9	20.1	36.3	25.0	0.5	23.8	213T
BIU-22	22.25	1.19	27.4	16.5	24.0	17.4	17.0	25.8	18.3	15.3	20.9	17.3	32.8	10.6	23.9	19.4	22.6	39.8	26.0	0.5	26.1	213T
BIU-24	24.50	1.44	30.3	16.5	16.3	19.3	16.8	23.6	20.1	16.9	23.0	19.9	33.6	11.8	26.4	21.3	24.5	42.9	26.0	0.5	27.8	215T
BIU-27	27.00	1.44	33.0	16.5	29.0	21.3	16.5	26.3	22.1	18.5	25.3	21.5	34.6	12.6	29.0	23.8	26.5	47.0	26.0	0.5	30.5	215T
BIU-30	30.00	1.69	36.3	16.5	32.3	23.4	16.5	29.5	24.6	20.5	28.1	23.6	36.0	13.8	32.3	26.0	28.8	51.9	27.0	0.5	33.8	254T
BIU-33	33.00	1.69	39.5	21.4	35.4	25.9	21.6	33.1	27.1	22.5	30.9	25.6	41.4	15.0	35.4	28.4	31.1	58.5	30.4	0.9	38.4	254T
BIU-36	36.50	1.94	43.1	21.4	39.3	28.5	21.6	36.9	30.0	24.9	34.1	28.0	43.3	16.3	39.0	31.0	33.8	63.8	30.4	0.9	42.1	254T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## FCU UTILITY FANS

### FEATURES & BENEFITS

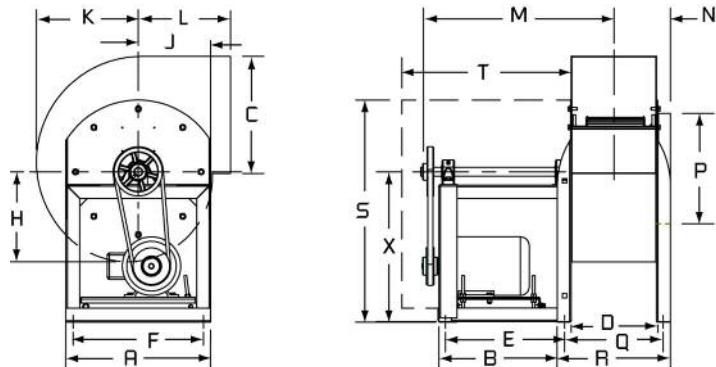
- Heavy gauge, rugged welded steel construction
- Forward curved impeller
- Self-aligning pillow block bearings
  - Standard bearings have 100,000 hours average life
- CW or CCW rotation; discharge rotatable to 8 positions
- Rigid circular stamped inlet ring
- Adjustable V-belt drive
- TEFC industrial duty motor
- AMCA Class I construction



### ACCESSORIES / OPTIONS

- |                               |                       |  |
|-------------------------------|-----------------------|--|
| • Weather cover / drive cover | • Belt guard          | • Inspection doors (bolted or quick open)  |
| • Inlet & discharge screens   | • Drain fitting       | • Vibration pads (spring rail or RIS rail) |
| • Explosion proof motors      | • Special duty motors | • AMCA Type A, B & C construction          |
| • Automatic discharge shutter |                       |  |

### ARRANGEMENT 10, SWSI, CLASS I



AIRFLOW PERFORMANCE (CFM)		
MODEL	MINIMUM	MAXIMUM
FCU-08	237	1835
FCU-09	374	2902
FCU-11	509	3816
FCU-12	686	5148
FCU-13	839	6504
FCU-15	1024	6912
FCU-16	1248	8424
FCU-18	1519	9495
FCU-20	1853	12043
FCU-22	2262	15831
FCU-24	2766	20056

Note: Letters "C" and "D" are outside housing dimensions.  
 "C" dimension extends beyond center-line, FCU-08 (5/16), FCU-09 (1-9/16) & FCU-11 (1-1/16)

BASE DETAIL SIZES 8, 9, & 11

MODEL	DIMENSIONS IN INCHES*												MTR FRAME										
	WHEEL DIA.	SHAFT DIA.	TH, DB, BH, UB STRAIGHT DISCHARGE						MTR FRAME														
			A	B	C	D	E	F	H	J	K	L	M	N	P	Q	R	S	T	V	X	Y	
FCU-08	7.75	0.75	9.1	13.0	8.3	5.4	14.3	7.5	6.0	4.6	6.8	6.9	20.1	3.8	8.0	-	-	18.0	18.5	0.4	12.0	2.2	145T
FCU-09	9.00	0.75	10.4	13.0	10.8	6.5	14.3	8.4	6.8	5.6	7.8	7.1	20.8	4.3	9.0	-	-	18.0	18.5	0.4	12.0	2.8	145T
FCU-11	10.50	1.00	12.9	13.0	11.8	8.0	14.3	10.8	7.9	6.8	9.1	8.1	21.5	5.1	10.0	-	-	20.5	18.5	0.4	14.0	3.5	145T
FCU-12	12.25	1.00	16.4	13.5	13.3	9.6	13.5	14.8	10.1	8.5	11.5	10.5	23.9	6.4	13.3	11.3	12.8	25.3	20.0	0.5	17.0	-	182T
FCU-13	13.50	1.00	17.6	13.5	14.6	10.8	13.5	16.0	11.1	9.4	12.6	11.4	24.4	7.0	14.5	12.4	13.9	25.9	20.0	0.5	17.0	-	182T
FCU-15	15.00	1.00	19.3	15.5	16.3	11.8	15.5	17.6	12.4	10.4	14.1	12.4	26.9	7.5	16.1	13.4	14.9	27.6	22.0	0.5	17.9	-	182T
FCU-16	16.25	1.00	21.4	15.0	17.8	13.0	15.5	19.8	13.6	11.4	15.5	13.4	27.5	8.5	17.9	14.5	17.0	30.1	22.0	0.5	19.5	-	184T
FCU-18	18.25	1.19	23.1	17.0	19.6	14.3	17.5	21.5	15.0	12.6	17.1	14.6	30.6	9.1	19.6	15.8	18.3	33.4	25.0	0.5	21.9	-	184T
FCU-20	20.00	1.19	25.0	17.0	21.5	15.9	17.0	23.4	16.5	13.8	18.8	15.8	31.5	10.0	21.5	17.9	20.1	36.3	25.0	0.5	23.8	-	213T
FCU-22	22.25	1.19	27.4	16.5	24.0	17.4	17.0	25.8	18.3	15.3	20.9	17.3	32.8	10.6	23.9	19.4	22.6	39.8	26.0	0.5	26.1	-	213T
FCU-24	24.50	1.44	30.3	16.5	26.3	19.3	16.8	23.6	20.1	16.9	23.0	19.9	33.6	11.8	26.4	21.3	24.5	42.9	26.0	0.5	27.8	-	215T

\*DO NOT USE FOR CONSTRUCTION

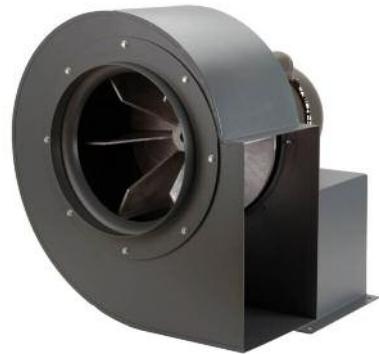
CONSULT FACTORY FOR CERTIFIED PRINTS

# CENTRIFUGAL FANS & BLOWERS

## KRD RADIAL BLADE BLOWERS

### FEATURES & BENEFITS

- Welded 16-gauge steel housing and motor base
- Dynamically balanced cast aluminum wheels
- Self cleaning wheel designed for efficient operation
- Polyester powder coat finish
- Single or three phase TEFC motors; also available without motor
- Explosion proof motors available - consult factory
- Standard discharge: CW bottom horizontal; rotatable to 8 positions
- Field adjustable rotation and discharge
- Capacities to 3,307 cfm



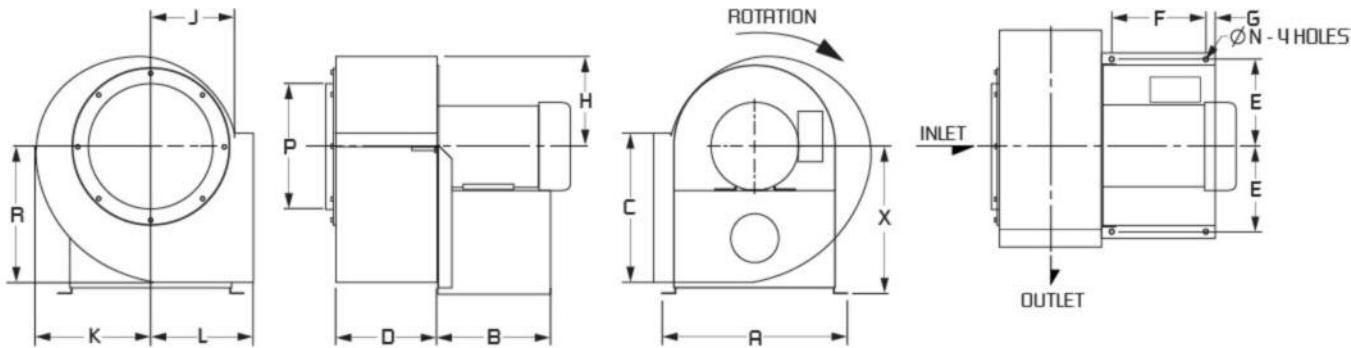
### APPLICATIONS

- Small exhaust systems where air is laden with dust or grit
- Suitable for air containing dirt, lint or foreign material, as wheel is self cleaning

### ACCESSORIES / OPTIONS

- Weather proof motor cover
- Inlet and discharge screen
- Discharge dampers
- Custom coatings
- Inlet and discharge flanges
- Factory mounted motors
- Spark resistant construction

MODEL	MTR HP	dBA @ 5'	AIRFLOW PERFORMANCE (CFM) AT 1750 RPM											
			0.125" SP	0.25" SP	0.375" SP	0.50" SP	0.625" SP	0.75" SP	1" SP	1.25" SP	1.50" SP	1.75" SP	2" SP	2.25" SP
KRD-08	1/4	64	493	448	396	334	250	93	-	-	-	-	-	-
KRD-09	1/4	69	848	788	724	655	572	462	-	-	-	-	-	-
KRD-11	3/4	75	1524	1457	1386	1309	1225	1134	916	617	97	-	-	-
KRD-12	1-1/2	79	2400	2331	2257	2179	2096	2007	1807	1564	1252	812	166	-
KRD-14	2	81	3307	3221	3134	3046	2956	2863	2664	2438	2164	1786	1181	666



MODEL	DIMENSIONS IN INCHES*																WT (LBS) LESS MTR		
	WHEEL SIZE	BORE SIZE	MTR FRAME	A	B	C	D	E	F	G	H	J	K	L	N	P	R	X	
KRD-08	7-3/4 x 4	5/8	56	11.0	8.0	8.3	5.4	5.0	7.0	0.5	6.0	4.6	6.8	6.9	0.4	8.0	8.0	8.5	35
KRD-09	9 x 5	5/8	56	12.1	8.0	10.8	6.5	5.6	7.0	0.5	6.8	5.6	7.8	7.1	0.4	9.0	9.3	9.4	45
KRD-11	10-7/8 x 5-5/8	5/8	56	14.8	9.0	11.8	8.0	6.9	7.5	0.8	8.0	6.8	9.1	8.1	0.4	10.0	10.8	11.8	65
KRD-12	12-1/2 x 7-1/2	7/8	145T	16.4	10.5	13.3	9.6	7.4	8.8	0.9	10.1	8.5	11.5	10.5	0.6	13.3	13.3	17.0	95
KRD-14	13-1/2 x 8-1/8	7/8	145T	17.6	10.5	14.6	10.8	8.0	8.8	0.9	11.1	9.4	12.6	11.4	0.6	14.5	14.6	17.0	120

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## PRD RADIAL BLADE PRESSURE BLOWERS

### FEATURES & BENEFITS

- Welded 16-gauge steel housing and motor base
- Dynamically balanced cast aluminum wheel
- Self cleaning wheel designed for efficient operation
- Polyester powder coat finish
- Single or three phase TEFC motors; also available without motor
- Explosion proof motors available - consult factory
- Standard discharge: CW bottom horizontal; rotatable to 8 positions
- Field adjustable rotation and discharge
- Capacities to 2,100 cfm



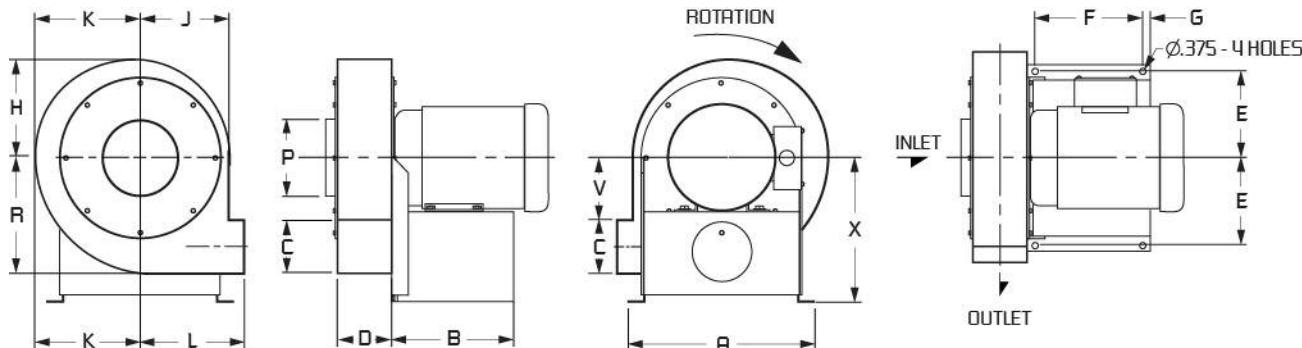
### APPLICATIONS

- Small exhaust systems where air is laden with dust or grit
- Supplying high pressure air for conveying and cooling

### ACCESSORIES / OPTIONS

- Weather proof motor cover
- Inlet and discharge screen
- Custom coatings
- Inlet and discharge flanges
- Factory mounted motors
- Spark resistant construction

MODEL	MTR HP	dBA @ 5'	AIRFLOW PERFORMANCE (CFM) AT 3500 RPM																
			0.25" SP	0.50" SP	1" SP	1.50" SP	2" SP	2.50" SP	3" SP	3.50" SP	4" SP	5" SP	6" SP	7" SP	8" SP	9" SP	10" SP	11" SP	12" SP
PRD-08	1/3	74	283	274	256	237	216	192	165	129	70	-	-	-	-	-	-	-	
PRD-09	3/4	77	475	465	445	423	399	374	346	316	282	195	-	-	-	-	-	-	
PRD-11	1-1/2	84	786	772	746	719	692	664	635	606	575	508	431	329	-	-	-	-	
PRD-12	3	90	1185	1171	1145	1117	1090	1062	1033	1004	974	911	842	765	672	549	-	-	
PRD-14	7-1/2	92	2100	2079	2037	1995	1952	1909	1866	1822	1777	1685	1587	1482	1367	1236	1081	874	474



MODEL	DIMENSIONS IN INCHES*																	WT (LBS) LESS MTR	
	WHEEL SIZE	BORE SIZE	MTR FRAME	A	B	C	D	E	F	G	H	J	K	L	P	R	V	X	
PRD-08	7-3/4 x 2-1/4	5/8	56	11.0	8.0	3.0	3.0	5.0	7.0	0.5	5.4	4.9	5.9	5.9	4.0	6.6	3.6	8.5	35
PRD-09	9 x 2-3/4	5/8	56	12.1	8.0	3.5	3.5	5.6	7.0	0.5	6.4	5.8	6.9	6.8	5.0	7.5	4.0	9.4	40
PRD-11	10-5/8 x 3	5/8	56	14.8	9.0	4.0	3.5	6.9	7.5	0.8	7.3	6.5	8.0	7.6	6.0	8.6	4.6	11.8	55
PRD-12	12-1/2 x 2	7/8	145T	17.0	8.0	5.0	4.0	8.0	6.5	0.8	8.3	7.5	9.0	9.6	7.0	10.0	5.0	10.6	85
PRD-14	13-1/2 x 4-3/8	1-1/8	184T	17.6	11.3	7.1	5.8	8.0	9.6	1.0	10.5	9.6	11.4	11.0	8.0	11.5	4.4	12.6	140

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# CENTRIFUGAL FANS & BLOWERS

## CPB CAST ALUMINUM PRESSURE BLOWERS

### FEATURES & BENEFITS

- Cast aluminum radial blade wheel
- Designed for highly efficient performance
- Spark resistant construction
- Rugged cast aluminum housing
- Circular inlet & outlet collars
- Single or three phase TEFC motors
- CW or CCW rotation available; please specify
- Discharge rotatable to 4 positions
- Suitable for 0 to 150 F
- Static pressures to 11" w.g.
- Capacities to 3,410 cfm



### APPLICATIONS

- Vehicle exhaust
- Air knives
- Combustion air
- Exhausting smoke, fumes & dust from high pressure applications
- Dust collection & material conveying
- High pressure cooling & drying

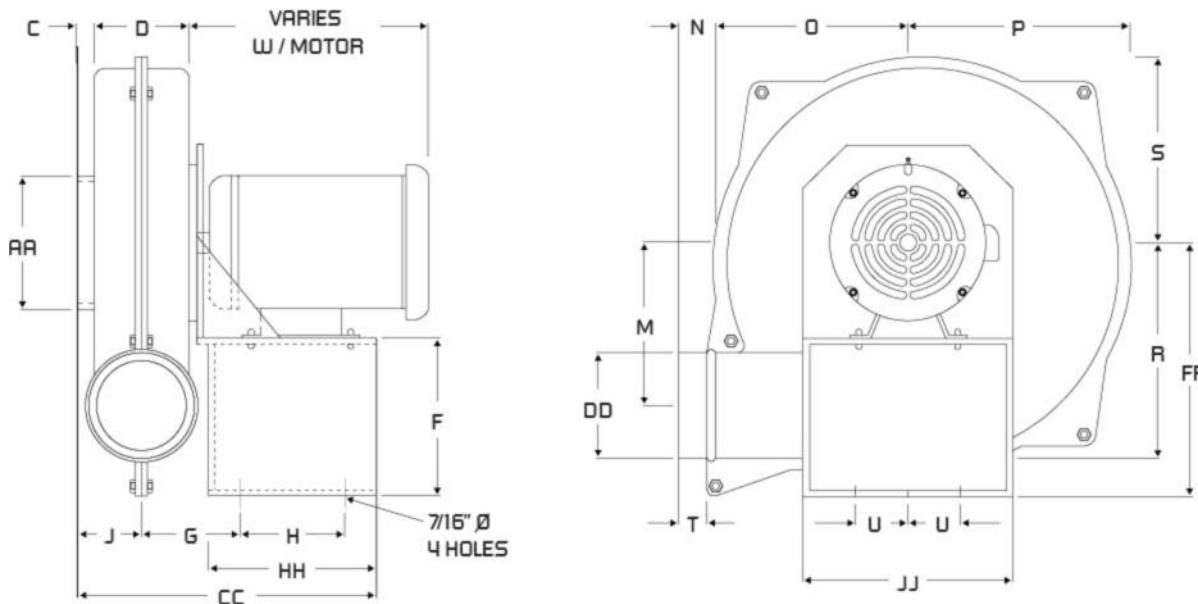
### ACCESSORIES / OPTIONS

- Flexible hose
- Inlet filter
- Inlet & outlet guard
- Nozzle
- Slide gate damper
- Protective coating
- Teflon shaft seal for corrosive environments
- Explosion proof & special duty motors
- Flanged inlet & outlet

MODEL	HP	WHEEL DIA.	INLET	OUTLET	ROTATION	AIRFLOW PERFORMANCE (CFM) AT 3450 RPM											
						1.0" SP		3.0" SP		5.0" SP		7.0" SP		9.0" SP		11.0" SP	
CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
CPB-08-12	1/2	8.0 x 2.8	4	4	CW	345	0.37	242	0.31								
CPB-09-12	1/2	8.0 x 2.8	5	4	CCW	380	0.39	275	0.30								
CPB-09-34	3/4	9.0 x 2.9	5	4	CCW	480	0.62	380	0.57	210	0.42						
CPB-09-01	1	10.5 x 2.9	5	4	CCW	575	0.80	495	0.72	400	0.54	270	0.41				
CPB-10-34	3/4	9.0 x 2.9	6	5	CW,CCW	571	0.73	400	0.60	91	0.37						
CPB-10-32	1-1/2	11.0 x 2.8	6	5	CW,CCW	840	1.50	700	1.35	590	1.26	460	1.05				
CPB-12-01	1	11.0 x 3.0BC	7	6	CW	865	1.07	710	0.99	535	0.87	160	0.55				
CPB-12-32	1-1/2	10.5 x 2.9	7	6	CW,CCW	1055	1.62	890	1.42	670	1.20	360	0.77				
CPB-12-02	2	11.0 x 2.8	7	6	CW,CCW	1150	1.91	975	1.72	750	1.4	475	1.05				
CPB-12-3A	3	11.5 x 2.8	7	6	CW,CCW	1245	2.48	1086	2.20	890	2.00	630	1.53				
CPB-12-3B	3	12.8 x 2.9	7	6	CW,CCW	Contact Factory		1237	3.10	1046	2.81	882	2.50	700	1.91		
CPB-12-05	5	14.0 x 3.0	7	6	CW,CCW	1600	4.21	1550	4.00	1400	3.78	1285	3.63	1125	3.40	945	2.81
CPB-14-03	3	12.3 x 3.0	8	6	CW,CCW	1575	3.40	1405	3.11	1250	2.71	1000	2.21	685	1.90		
CPB-14-05	5	14.0 x 3.0	8	6	CW,CCW	1875	4.98	1710	4.60	1550	4.15	1400	3.80	1203	3.50	1045	2.98
CPB-15-05	5	14.0 x 3.0	8	8	CW,CCW	2300	5.30	2100	4.95	1900	4.50	1678	4.10	1410	3.60	1170	3.21
CPB-15-07	7-1/2	15.5 x 5.0BC	8	8	CW	2360	6.50	2210	6.00	1950	5.32	1800	4.65	1595	4.10	1300	3.70
CPB-15-10A	10	15.5 x 5.0	8	8	CW,CCW	2700	9.40	2510	8.90	2365	7.95	2211	7.00	1950	6.20	1711	5.90
CPB-15-10B	10	16.5 x 5.0	8	8	CW,CCW	3000	11.00	2875	10.70	2700	10.40	2550	10.20	2400	9.90	2215	9.40
CPB-15-15A	15	14.0 x 3.0	10	8	CCW	2565	6.20	2347	5.80	2175	5.30	1841	4.60	1586	4.00	1181	3.20
CPB-15-15B	15	15.5 x 5.0BC	10	8	CW	2610	7.10	2420	6.50	2210	6.00	1975	5.50	1712	4.95	1425	4.10
CPB-15-15C	15	15.5 x 5.0	10	8	CCW	3211	11.20	3108	10.90	2875	10.40	2743	9.70	2501	8.60	2184	7.00
CPB-15-15D	15	16.5 x 5.0	10	8	CCW	3410	14.00	3230	13.00	3029	12.20	2850	11.60	2669	10.80	2561	10.20

# CENTRIFUGAL FANS & BLOWERS

## CPB CAST ALUMINUM PRESSURE BLOWERS



CLOCKWISE ROTATION - BOTTOM HORIZONTAL DISCHARGE SHOWN ABOVE

MODEL	MTR FRAME	DIMENSIONS IN INCHES*																			
		C	D	F	G	H	J	M	N	O	P	R	S	T	U	AA	CC	DD	FF	HH	JJ
CPB-08	56	1.3	3.8	6.0	4.3	5.5	3.1	4.1	1.4	4.5	5.3	6.3	4.8	1.0	3.5	4.0	14.0	4.0	9.5	7.9	9.5
CPB-09	56 143T-145T	1.3	3.8	6.0	4.3	5.5	3.1	5.6	1.4	5.9	7.0	7.8	6.4	1.0	3.5	5.0	14.0	4.0	9.5	7.9	9.5
CPB-10	56 143T-145T	1.3	4.3	7.0	4.5	5.5	3.4	6.5	1.0	6.9	9.4	9.0	7.8	1.0	3.5	6.0	14.5	5.0	10.5	7.9	7.0
CPB-10	1.3	4.3	7.0	4.5	5.5	3.4	6.5	1.0	6.9	9.4	9.0	7.8	1.0	3.5	6.0	14.5	5.0	10.5	7.9	9.0	
CPB-12	56 143T-145T	1.3	4.3	8.0	4.5	5.5	3.4	7.4	1.1	7.6	9.1	10.2	7.6	1.0	3.5	7.0	14.5	6.0	11.5	7.9	9.5
CPB-12	182T-184T	1.3	4.3	7.0	4.9	8.8	3.4	7.4	1.1	7.6	9.1	10.2	7.6	1.0	4.9	7.0	18.3	6.0	11.5	11.4	12.5
CPB-14	143T-145T 182T-184T	1.6	5.3	9.5	5.3	5.5	4.1	8.0	1.0	8.6	9.9	11.3	9.5	1.0	3.5	8.0	15.0	6.0	13.0	7.9	9.5
CPB-14	182T-184T	1.6	5.3	8.5	5.9	8.8	4.1	8.0	1.0	8.6	9.9	11.3	9.5	1.0	4.9	8.0	18.5	6.0	13.0	11.4	12.5
CPB-15	143T-145T 182T-184T	1.4	6.0	9.0	6.0	8.8	4.4	8.0	1.8	9.4	10.9	11.9	9.9	1.0	4.9	8.0	20.4	8.0	13.5	11.4	12.5
CPB-15	213T-215T 254T-256T	1.4	6.0	9.0	6.0	8.8	4.4	8.0	1.8	9.4	10.9	11.9	9.9	1.0	4.9	8.0	20.4	8.0	14.5	11.4	12.5
CPB-15	182T-184T 213T-215T	1.4	6.0	9.0	6.0	8.8	4.4	8.0	1.8	9.4	10.9	11.9	9.9	1.0	4.9	10.0	20.1	8.0	13.5	11.4	12.5
CPB-15	143T-145T 213T-215T	1.4	6.0	9.0	6.0	8.8	4.4	8.0	1.8	9.4	10.9	11.9	9.9	1.0	4.9	10.0	20.1	8.0	14.5	11.4	13.5

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# CENTRIFUGAL FANS & BLOWERS

## CAB CAST ALUMINUM BLOWERS

### FEATURES & BENEFITS

- Forward curved, steel wheel
- Designed for highly efficient performance
- Rugged cast aluminum housing, heavy duty steel base
- Spark resistant construction
- CW rotation only; rotatable to 4 positions
- Suitable for 0 to 150 F
- Circular inlet and outlet collars
- Single or three phase TEFC motors
- Capacities to 1,550 cfm



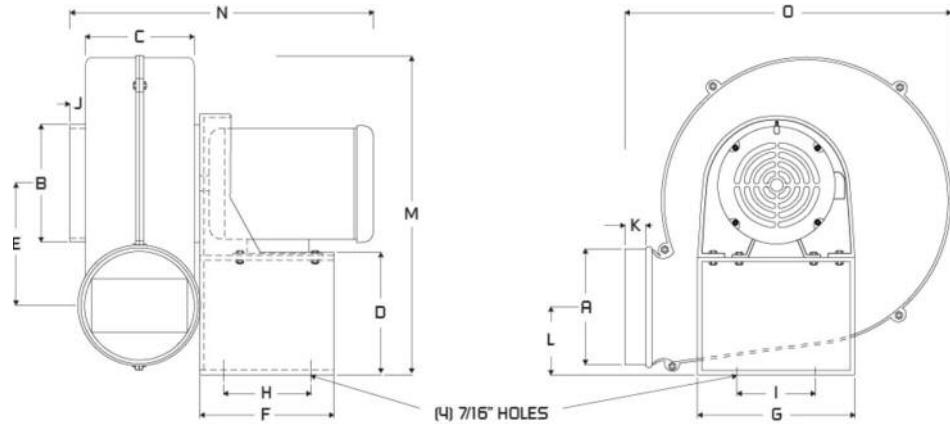
### APPLICATIONS

- Smoke and fume removal
- Spot cooling
- Electronic equipment & DC motor cooling

### ACCESSORIES / OPTIONS

- Flexible hose
- Inlet filter
- Inlet & outlet guard
- Flanged inlet & outlet
- Protective coating
- Nozzle
- Carrying handle
- Exposition proof motors
- Special duty motors
- Wall mounting bracket
- Slide gate damper
- AMCA Type C construction
- Support base with rubber feet
- Teflon shaft seal for corrosive environments

MODEL	MAX HP	RPM	AIRFLOW PERFORMANCE (CFM)																
			0.25" SP		0.5" SP		0.75" SP		1.0" SP		1.5" SP		2.0" SP		2.5" SP		3.0" SP		3.5" SP
CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
CAB-04	1/3	1725	210	0.04	135	0.02													
	1/3	3450	500	0.38	470	0.34	440	0.32	420	0.30	360	0.26	260	0.16					
CAB-06	1/4	1150	248	0.06	96	0.02													
	1/4	1725	440	0.18	370	0.14	300	0.11											
	1-1/2	3450	900	1.45	870	1.40	850	1.35	820	1.30	780	1.20	730	1.15	660	1.00	580	0.90	470
CAB-08	1/4	1150	860	0.26	720	0.18	600	0.15											
	1-1/2	1725	1550	1.15	1500	1.05	1490	1.00	1400	0.90	1200	0.85	950	0.70					



MODEL	WHEEL DIA.	DIMENSIONS IN INCHES*														
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CAB-04	4.75	3.9	4.9	4.0	5.0	2.8	7.0	7.0	5.5	5.0	1.0	1.0	5.9	12.5	14.5	9.3
CAB-06	6.25	5.9	5.9	4.5	5.0	4.3	7.0	7.0	5.5	5.0	1.0	1.0	4.3	13.5	16.6	11.8
CAB-08	8.50	7.9	7.8	5.6	8.0	5.4	8.5	8.5	6.5	6.5	1.0	1.0	6.0	18.5	17.6	14.3

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## FADP PANEL FANS w/MOUNTING BOX

### FEATURES & BENEFITS

- Supply or exhaust applications
- Direct drive
- FRP airfoil impeller
- Statically and dynamically balanced
- FRP wall box with mounting flange
- 316 stainless steel hardware
- FRP venturi orifice
- Pressures to 1-1/2 in. wg
- TEFC industrial duty motors
- Capacities to 50,000 cfm

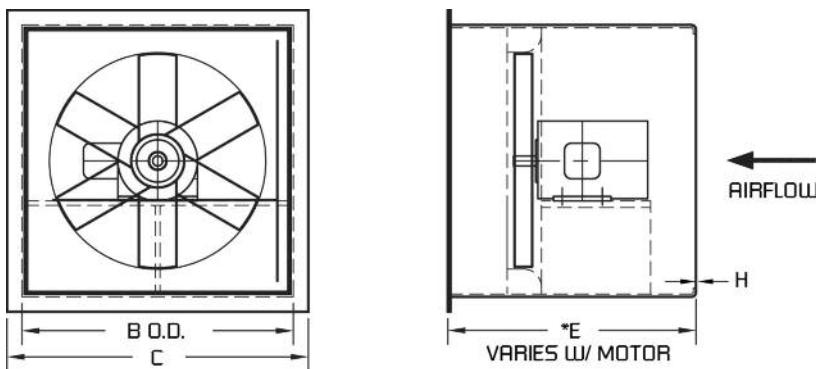


### APPLICATIONS

- Corrosive environments
- Moisture laden air
- Contaminated air streams
- Exhaust fumes

### ACCESSORIES / OPTIONS

- Disconnect switch
- Dampers
- FRP rain hood (supply only)
- Polyethylene mesh screen
- Special resins
- Carbon impregnation w/static ground
- Monel hardware
- Explosion proof motors
- Special duty motors



MODEL	DIMENSIONS IN INCHES*			
	B	C	E	H
FADP-12	18.0	21.0	26.0	0.19
FADP-16	22.0	25.0	26.0	0.19
FADP-18	24.0	27.0	28.0	0.19
FADP-20	26.0	29.0	28.0	0.19
FADP-24	30.0	34.0	28.0	0.19
FADP-28	34.0	38.0	28.0	0.25
FADP-32	38.0	42.0	32.0	0.25
FADP-36	43.0	47.0	36.0	0.25
FADP-40	47.0	51.0	42.0	0.38
FADP-44	51.0	55.0	44.0	0.38
FADP-48	55.0	59.0	44.0	0.38
FADP-54	62.0	68.0	44.0	0.38
FADP-60	68.0	72.0	44.0	0.38

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# FIBERGLASS FANS

## FAIB BELT DRIVE TUBEAXIAL FANS

### FEATURES & BENEFITS

- FRP airfoil impeller
- Aerodynamically efficient performance
- Statically and dynamically balanced
- 316 stainless steel shaft and hardware
- FRP motor cover and guard
- Extended lube lines
- Flanged inlet and outlet
- EPDM double lip shaft seal
- TEFC industrial duty motors
- 100C / 212F max. operating temperature
- High and low pressure models
- Sizes range from 12" to 60"

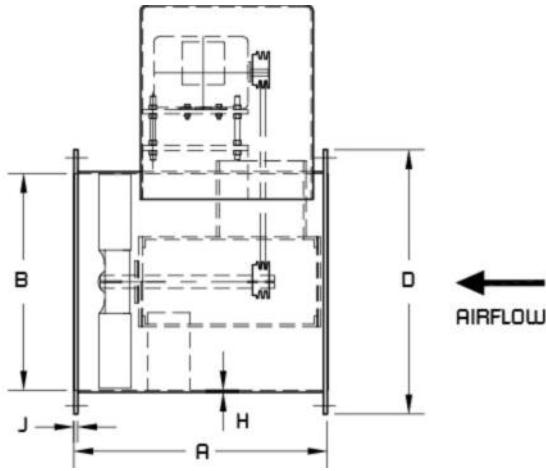
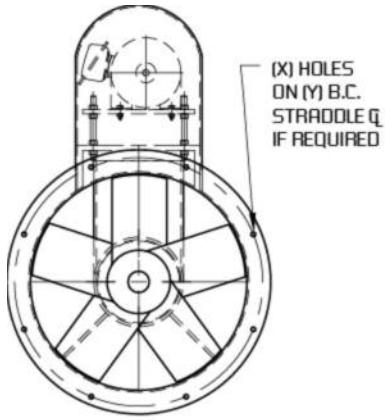


### APPLICATIONS

- Corrosive environments
- Moisture laden air
- Contaminated air streams
- Process ventilation

### ACCESSORIES / OPTIONS

- Vane section
- Polyethylene screen
- FRP roof curb
- FRP intake / exhaust hood
- Inspection door
- Mounting legs
- FRP stack cap
- Disconnect switch
- Vertical mounting brackets
- Horizontal mounting brackets
- Vibration isolators
- Explosion proof & special duty motors



MODEL	DIMENSIONS IN INCHES*								MAX MTR FRAME
	A	B	D	H	J	X	HOLE SIZE	Y	
FAIB-12	20.0	12.5	17.0	0.25	0.38	8.0	0.50	15.5	145T
FAIB-16	20.0	16.5	21.0	0.25	0.38	8.0	0.50	19.5	184T
FAIB-18	24.0	18.5	23.0	0.25	0.38	8.0	0.50	21.5	213T
FAIB-20	24.0	20.5	25.0	0.25	0.50	8.0	0.50	23.5	254T
FAIB-24	24.0	24.5	29.0	0.25	0.50	12.0	0.50	27.5	254T
FAIB-28	28.0	28.5	33.0	0.31	0.50	12.0	0.50	31.5	256T
FAIB-32	30.0	32.5	37.0	0.31	0.50	12.0	0.50	35.5	284T
FAIB-36	32.0	36.5	41.8	0.31	0.50	12.0	0.50	40.3	286T
FAIB-40	36.0	40.5	45.8	0.38	0.63	12.0	0.50	44.3	324T
FAIB-44	40.0	44.5	49.8	0.38	0.63	16.0	0.50	48.3	324T
FAIB-48	40.0	48.5	54.0	0.38	0.63	16.0	0.56	52.5	324T
FAIB-54	40.0	54.5	60.0	0.38	0.63	16.0	0.56	58.5	364T
FAIB-60	40.0	60.5	66.5	0.38	0.63	16.0	0.56	65.0	365T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## FVIB BELT DRIVE VANEAXIAL FANS

### FEATURES & BENEFITS

- FRP airfoil impeller
- Aerodynamically efficient performance
- Statically and dynamically balanced
- 316 stainless steel shaft and hardware
- FRP motor cover and guard
- Extended lube lines
- Flanged inlet and outlet
- EPDM double lip shaft seal
- 100C / 212F max. operating temperature
- TEFC industrial duty motors
- High and low pressure models
- Sizes range from 12" to 60"

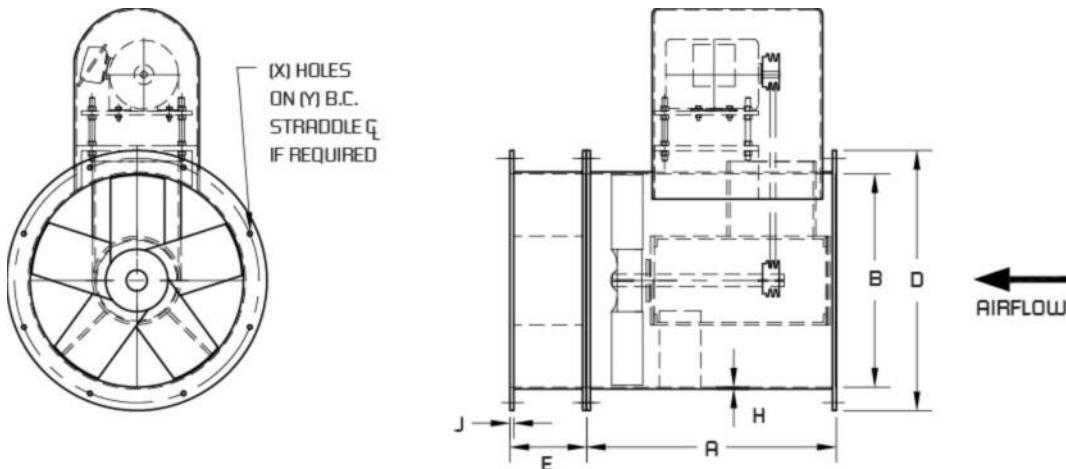


### APPLICATIONS

- Corrosive environments
- Moisture laden air
- Contaminated air streams
- Process ventilation

### ACCESSORIES / OPTIONS

- Polyethylene screen
- FRP roof curb
- FRP intake / exhaust hood
- Inspection door
- Vibration isolators
- Mounting legs
- FRP stack cap
- Disconnect switch
- Vertical mounting brackets
- Horizontal mounting brackets
- Explosion proof motors
- Special duty motors



MODEL	DIMENSIONS IN INCHES*								HOLE SIZE	Y	MAX MTR FRAME
	A	B	D	E	H	J	X				
FVIB-12	20.0	12.5	17.0	8.0	0.19	0.38	8.0	0.50	15.5	145T	
FVIB-16	24.0	16.5	21.0	8.0	0.19	0.38	8.0	0.50	19.5	184T	
FVIB-18	24.0	18.5	23.0	8.0	0.19	0.38	8.0	0.50	21.5	213T	
FVIB-20	28.0	20.5	25.0	10.0	0.19	0.50	8.0	0.50	23.5	254T	
FVIB-24	28.0	24.5	29.0	10.0	0.19	0.50	12.0	0.50	27.5	254T	
FVIB-28	32.0	28.5	33.0	14.0	0.25	0.50	12.0	0.50	31.5	256T	
FVIB-32	34.0	32.5	37.0	14.0	0.25	0.50	12.0	0.50	35.5	284T	
FVIB-36	36.0	36.5	41.8	14.0	0.25	0.50	12.0	0.50	40.3	286T	
FVIB-40	40.0	40.5	45.8	14.0	0.38	0.63	16.0	0.50	44.3	324T	
FVIB-44	48.0	44.5	49.8	14.0	0.38	0.63	16.0	0.50	48.3	324T	
FVIB-48	48.0	48.5	54.0	16.0	0.38	0.63	16.0	0.56	52.5	324T	
FVIB-54	48.0	54.5	60.5	20.0	0.38	0.63	16.0	0.56	58.5	364T	
FVIB-60	48.0	60.5	66.5	20.0	0.38	0.63	16.0	0.56	65.0	365T	

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# FIBERGLASS FANS

## FUBV UPBLAST ROOF VENTILATORS

### FEATURES & BENEFITS

- FRP airfoil impeller
- Aerodynamically efficient performance
- Statically and dynamically balanced
- 316 stainless steel shaft and hardware
- FRP motor cover
- FRP stack cap easily removed for maintenance
- Extended lube lines
- EPDM double lip shaft seal
- 100C / 212F max. operating temperature
- TEFC industrial duty motors
- FRP automatic butterfly dampers
- Damper rods turn in polypropylene bearings
- Capacities to 50,000 cfm

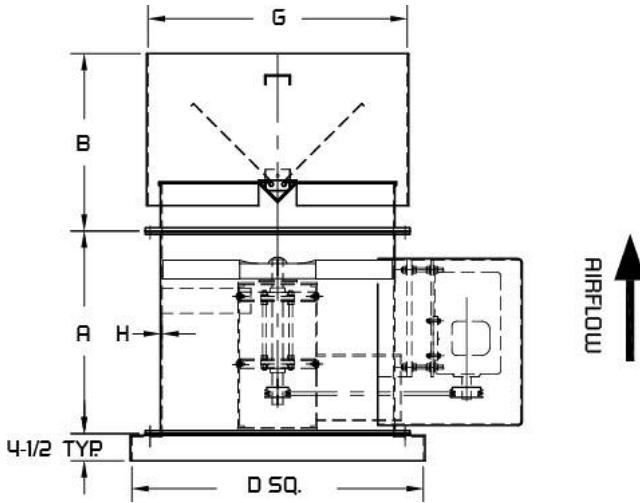


### APPLICATIONS

- Corrosive environments
- Moisture laden air
- Contaminated air streams
- Exhaust fumes

### ACCESSORIES / OPTIONS

- FRP roof curb
- Disconnect switch
- Direct drive
- Polyethylene screen
- Special resins
- Graphite impregnation w/static grounding
- Explosion proof & special duty motors



MODEL	DIMENSIONS IN INCHES*					MAX MTR FRAME
	A	B	D	G	H	
FUBV-12	20.0	12.5	22.0	16.5	0.19	145T
FUBV-16	20.0	16.5	26.0	20.5	0.19	184T
FUBV-18	24.0	18.5	28.0	22.5	0.19	213T
FUBV-20	24.0	20.5	30.0	24.5	0.19	254T
FUBV-24	24.0	24.5	34.0	28.5	0.19	254T
FUBV-28	28.0	28.5	38.0	32.5	0.25	256T
FUBV-32	30.0	32.5	42.0	36.5	0.25	284T
FUBV-36	32.0	36.5	46.0	40.9	0.25	286T
FUBV-40	36.0	40.5	50.0	44.9	0.38	324T
FUBV-44	40.0	44.5	54.0	48.9	0.38	324T
FUBV-48	40.0	48.5	58.0	56.3	0.38	324T
FUBV-54	40.0	54.5	66.0	62.3	0.38	364T
FUBV-60	40.0	60.5	72.0	68.3	0.38	365T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## FHRV HOODED ROOF VENTILATORS

### FEATURES & BENEFITS

- FRP airfoil impeller
- Aerodynamically efficient performance
- 316 stainless steel shaft and hardware
- FRP motor cover
- FRP hood
- Extended lube lines
- EPDM double lip shaft seal
- 100C / 212 F max. operating temperature
- TEFC industrial duty motors
- Capacities to 60,000 cfm

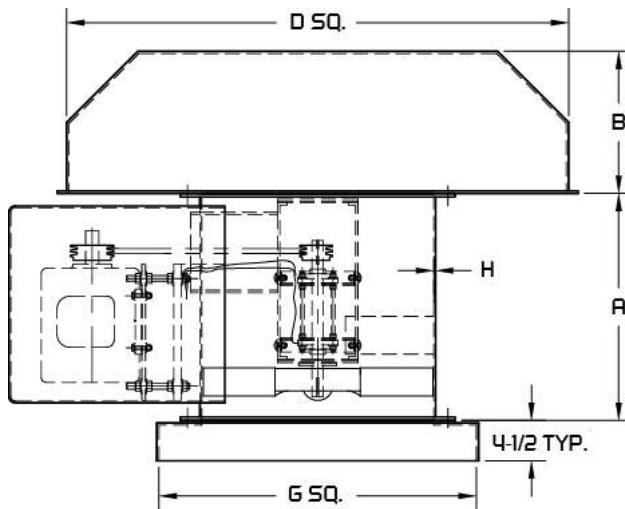


### APPLICATIONS

- Corrosive environments
- Moisture laden air
- Contaminated air streams
- Exhaust fumes

### ACCESSORIES / OPTIONS

- |                     |                              |  |
|---------------------|------------------------------|--|
| • FRP roof curb     | • Dampers                    | • Special resins                           |
| • Inspection door   | • Polyethylene mesh screen   | • Graphite impregnation w/static grounding |
| • Direct drive      | • Stainless steel birdscreen | • Explosion proof & special duty motors    |
| • Disconnect switch |                              |  |



MODEL	DIMENSIONS IN INCHES*					MAX MTR FRAME
	A	B	D	G	H	
FHRV-12	20.0	15.0	42.0	22.0	0.19	145T
FHRV-16	20.0	15.0	42.0	26.0	0.19	184T
FHRV-18	24.0	15.0	42.0	28.0	0.19	213T
FHRV-20	24.0	15.0	42.0	30.0	0.19	254T
FHRV-24	24.0	15.0	53.0	34.0	0.19	254T
FHRV-28	28.0	17.0	62.0	38.0	0.25	256T
FHRV-32	30.0	17.0	62.0	42.0	0.25	284T
FHRV-36	32.0	20.0	92.0	46.0	0.25	286T
FHRV-40	36.0	20.0	92.0	50.0	0.38	324T
FHRV-44	40.0	20.0	92.0	54.0	0.38	324T
FHRV-48	40.0	28.0	120.0	58.0	0.38	324T
FHRV-54	40.0	28.0	120.0	66.0	0.38	364T
FHRV-60	40.0	28.0	120.0	72.0	0.38	365T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## IRIS DAMPERS

### FEATURES & BENEFITS

- Precise airflow measurement
- Accurate air balancing to +/- 5% in straight duct
- Single station measurement and control
- Reduced field labor time
- Ideal for office buildings, pharmaceuticals, clean room environments & laboratories
- Compact design, superior performance
- Fully retractable blades for duct cleaning
- Available in 4" to 32" sizes
- Capacities to 20,000 cfm

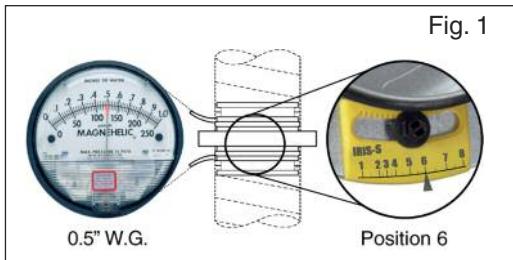


### IRIS DAMPER

- Single station measurement & control
- Hot dipped galvanized steel construction
- Fitted neoprene gasket for airtight mounting
- Max operating temperature:
  - 180 F continuous
  - 250 F intermittent

### SIMPLE OPERATION

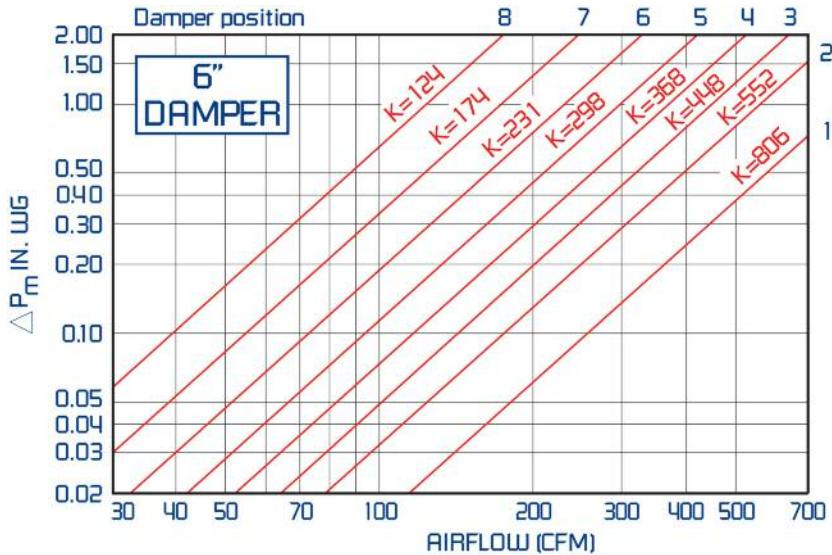
Using a pressure gauge and a damper's Airflow Adjustment Chart, desired airflow in a duct can be attained by simply turning the damper adjustment nut until the required pressure drop is reached (Fig. 1).



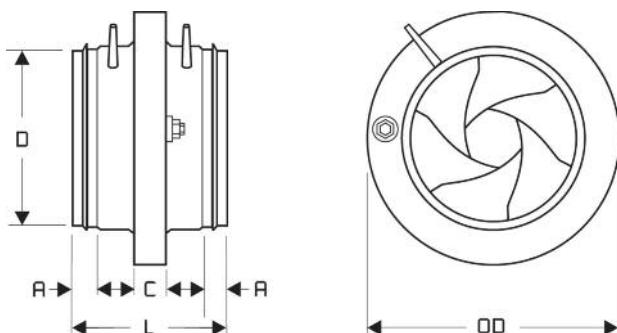
### IRIS-S DAMPER

- AISI 316 stainless steel construction
- Prolonged excellence in extreme conditions
- Ideal for corrosive environments
- Max operating temperature:
  - 180 F continuous

### AIRFLOW ADJUSTMENT CHART (TYPICAL)



MODEL	DIMENSIONS IN INCHES					
	A	C	D	L	OD	WT(lbs)
IRIS-04, IRIS-S-04	1.2	0.6	3.9	4.6	6.5	1.1
IRIS-05, IRIS-S-05	1.2	0.6	4.9	4.6	7.4	1.5
IRIS-06, IRIS-S-06	1.2	0.6	5.9	4.6	9.1	2.0
IRIS-08, IRIS-S-08	1.2	0.6	7.8	4.6	11.2	3.1
IRIS-10, IRIS-S-10	1.6	0.7	9.8	5.3	13.2	4.6
IRIS-12, IRIS-S-12	1.6	0.7	11.8	6.1	16.1	7.7
IRIS-16, IRIS-S-16	2.4	0.8	15.7	7.5	20.7	14.1
IRIS-20, IRIS-S-20	2.0	0.8	19.6	6.7	25.8	21.2
IRIS-25, IRIS-S-25	2.0	0.9	24.7	6.7	32.1	34.4
IRIS-32, IRIS-S-32	3.9	0.9	31.4	10.6	40.0	55.1



\*DO NOT USE FOR CONSTRUCTION

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## BDD BACKDRAFT DAMPERS

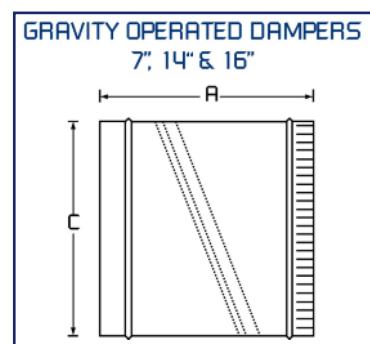
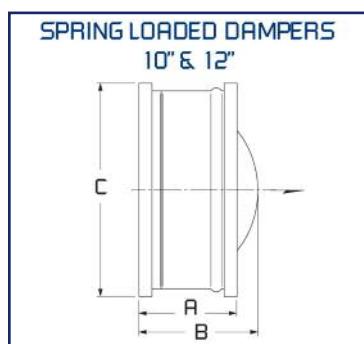
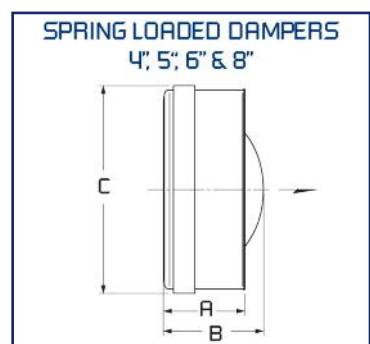
### SPRING LOADED DAMPERS

- Neoprene damper seal to minimize air leakage
- Steel housing, aluminum butterfly damper blades
- Gasket designed to withstand temperatures from -22 F to 180 F
- Requires from 0.04 to 0.08 in. wg pressure to open
- Simple installation in any position - entire assembly inserts into duct
- Exterior foam gasket assures a tight seal against duct
- 4", 5", 6" & 8" sizes include stamped metal sleeve with center pin / post designs
- 10" & 12" sizes include rolled metal sleeve with center post design



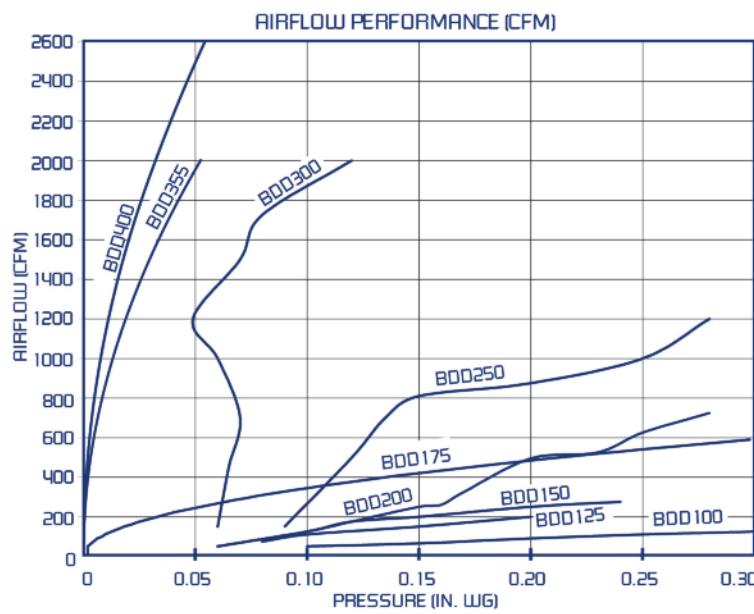
### GRAVITY OPERATED DAMPERS

- Low air leakage design
- Galvanized steel housing, aluminum butterfly damper blades
- Gravity operated closure
- Install in horizontal or vertical (upblast only) position
- Suitable for supply or exhaust applications
- Available in 7", 14" & 16" sizes



MODEL	DIMENSIONS IN INCHES*			
	A	B	C (Nominal)	Gauge
<b>SPRING LOADED DAMPERS</b>				
BDD100	1.8	2.0	4	20
BDD125	2.0	2.5	5	20
BDD150	2.5	3.0	6	20
BDD200	2.8	3.8	8	20
BDD250	4.8	6.0	10	20
BDD300	6.3	6.8	12	20
<b>GRAVITY OPERATED DAMPERS</b>				
BDD175	7.0	-	7	28
BDD355	12.0	-	14	24
BDD400	14.0	-	16	22

\*DO NOT USE FOR CONSTRUCTION  
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# OEM & REPLACEMENT IMPELLERS

## TEK CENTRIFUGAL BC AIRFOIL IMPELLERS

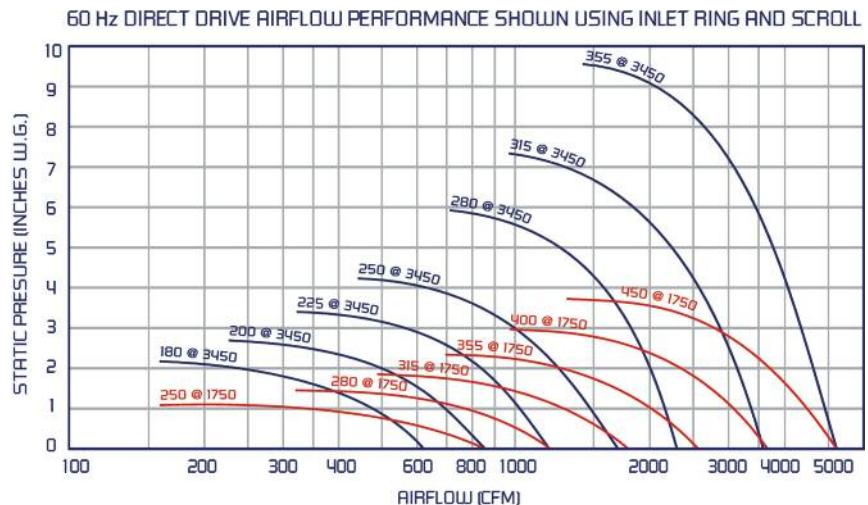
### FEATURES & BENEFITS

- Backward curved airfoil (BCA) impeller
- Non-overloading power characteristics
- Aerodynamic perfection; computer-aided design
- Super quiet, highly efficient performance
- Injection molded from high strength GRP polyamide
- Stronger than steel with half the weight
- Permissible ambient temperature range: -22 F to 176 F
- Stocked in nine sizes: 7" through 18" diameter
- CW, CCW, or DWDI; matching inlet cones

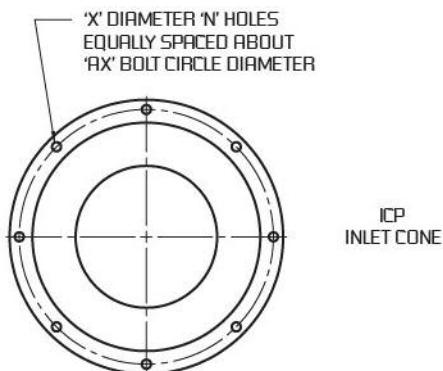
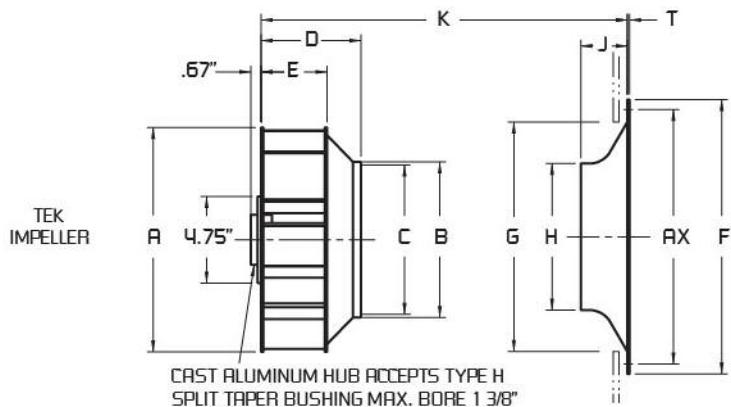


### APPLICATIONS

- OEM impellers



IMPELLER PERFORMANCE		
MODEL	RPM	MAX HP
TEK180	3450	0.15
TEK200	3450	0.25
TEK225	3450	0.43
TEK250	1750	0.10
	3450	0.75
TEK280	1750	0.20
	3450	1.50
TEK315	1750	0.35
	3450	2.65
TEK355	1750	0.63
	3450	5.00
TEK400	1750	1.10
TEK450	1750	2.00



MODEL	DIMENSIONS IN INCHES*														
	A	B	C	D	E	F	G	H	J	K	N	T	X	AX	WT (lbs)
TEK180	7.1	4.9	4.7	3.3	2.1	8.5	7.2	4.5	1.5	4.5	6	0.1	0.4	8.0	1.2
TEK200	7.9	5.5	5.3	3.5	2.3	9.8	8.0	5.0	1.6	4.9	6	0.1	0.4	9.1	1.6
TEK225	8.8	6.1	5.8	4.1	2.6	11.0	8.9	5.7	1.8	5.6	6	0.1	0.4	10.1	1.8
TEK250	9.8	6.8	6.5	4.5	2.9	12.0	10.0	6.3	2.1	6.2	6	0.1	0.4	11.1	2.0
TEK280	11.0	7.6	7.4	5.0	3.3	13.7	11.4	7.1	2.3	7.0	6	0.1	0.5	12.6	2.8
TEK315	12.3	8.5	8.2	5.5	3.5	15.0	12.6	8.0	2.6	7.7	6	0.1	0.5	14.0	3.8
TEK355	14.0	9.6	9.3	6.4	4.3	16.6	14.2	9.0	2.9	8.6	8	0.1	0.5	15.6	5.2
TEK400	15.6	10.6	10.2	6.9	4.5	18.3	16.0	9.8	3.3	9.6	8	0.2	0.5	17.3	7.0
TEK450	17.7	12.1	11.6	7.7	5.1	20.2	17.3	11.2	3.7	10.8	8	0.2	0.5	19.3	8.0

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## ELTA AXIAL AIRFOIL IMPELLERS

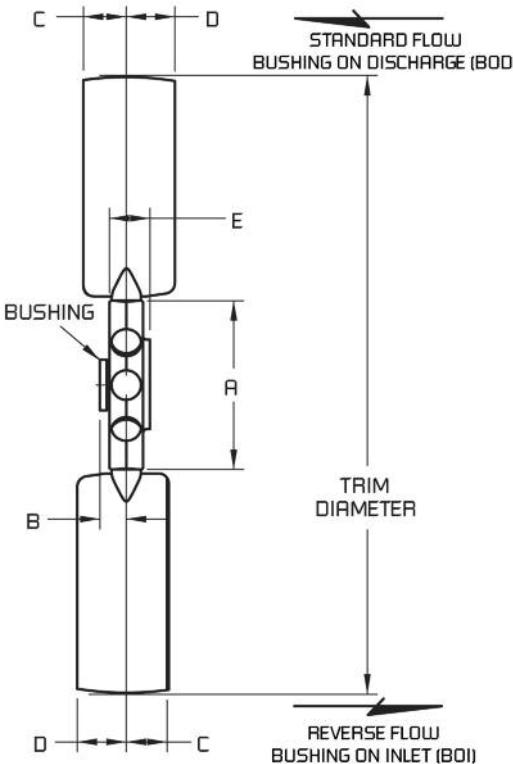
### FEATURES & BENEFITS

- Airfoil design, modular construction, adjustable pitch
- Superior performance and sound characteristics
- Pressure cast aluminum hub and blades
- GRP [polypropylene] blades available
- Advanced computer selection program
- Permissible ambient temperature range for aluminum impellers: -40 F to 250 F
- Permissible ambient temperature range for GRP impellers: -40 F to 212 F
- Custom diameters from 12" to 79"
- Ideal for OEM use or as replacement impellers
- Capacities to 200,000 cfm from stock components

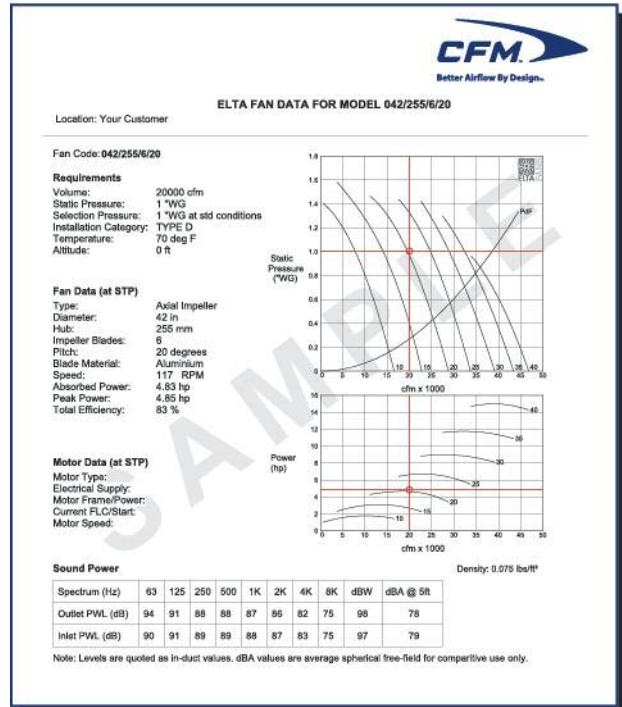


### APPLICATIONS

- OEM impellers
- Replacement impellers



SAMPLE AXIAL FAN SELECTION PRINTOUT



RANGE	DIMENSIONS IN INCHES*										
	HUB TYPE	NO. OF BLADES	BUSHING TYPE	MAX BORE	DIAMETER MIN	DIAMETER MAX	A	B	C	D	E
1000	150	5, 10	H	1 - 3/8	11.5	35.5	5.9	0.9	1.0	1.5	1.4
1400	255	2, 3, 4, 6	P1	1 - 5/8	24.0	51.0	10.0	1.3	1.6	2.4	2.1
	350	3, 4, 6, 12	Q1	2 - 11/16	27.0	55.0	13.8	1.9	1.6	2.4	2.1
2000	400	3, 6, 9	Q2	2 - 5/8	39.0	72.8	15.8	2.1	2.2	3.4	3.5
	550	3, 4, 6, 12	R2	3 - 5/8	39.0	78.7	21.7	2.6	2.2	3.4	3.5

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# SPECIALTY PRODUCTS

## DSF DESTRATIFICATION FANS

### FEATURES & BENEFITS

- Reduce hot & cold spots through the mixing of air in large spaces
- Lower energy costs, increased comfort
- Ideal for any building with ceilings 15' or higher
- Breaks up stratification layers
- Powerful, axial flow fan
- External rotor motor design results in superior motor cooling and durability
- Speed controllable using optional solid state speed control
- Permanently lubricated ball bearing motors for maintenance-free operation
- Automatic reset, thermal overload protection
- 120V, 60 Hz operation
- Steel housing with corrosion resistant finish
- Grapple cables supplied for safe mounting
- Rotating mounting bracket permits mounting at any angle
- Maximum permissible ambient temperature: 140 F
- Capacities up to 1,460 cfm; available in 10", 12" and 14" fan sizes



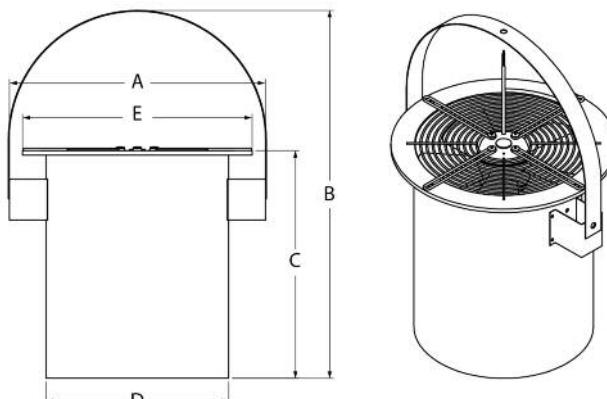
### APPLICATIONS

- Big box stores
- Grocery stores
- Shopping malls
- Industrial buildings
- Warehouses
- Distribution centers
- Greenhouses
- Atriums
- Athletic facilities / gyms

MODEL	MAX WATTS	MAX AMPS	0" SP RPM	CFM	FAN PERFORMANCE								
					3 FT	6 FT	10 FT	13 FT	15 FT	20 FT	23 FT	25 FT	30 FT
DSF250	60	0.51	1700	420	378	270	220	156	90	60	20	-	-
DSF300	94	0.80	1675	1055	918	594	380	234	162	120	79	38	20
DSF350	162	1.38	1685	1460	1100	756	760	468	324	300	217	169	120
													59
													19

MODEL	DIMENSIONS IN INCHES*					SHIP WT (lbs)
	A	B	C	D	E	
DSF250	15.2	20.2	15.2	10.2	13.4	14.0
DSF300	17.3	23.9	17.9	12.2	15.4	19.0
DSF350	19.2	27.3	20.3	14.2	17.4	24.0

\*DO NOT USE FOR CONSTRUCTION  
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### How do I determine how many fans I need?

Air circulation should occur once or twice per hour to maintain a healthy building environment.

Select the fan cfm based on the following ceiling height recommendations:

- 15 ft - 20 ft use 420 cfm fan or model DSF250
- 20 ft - 25 ft use 1055 cfm fan or model DSF300
- 25 ft - up use 1460 cfm fan or model DSF350

To determine the number of DSF fans for a given area, the following information is required:

- (L x W x H) = Size of room
- Size of room / cfm / 60 = Number of units

Example: a building is 125 ft. long, 75 ft. wide, and 20 ft. high.

- 125 x 75 x 20 = 187,500 cu. ft.
- 187,500 cu. ft. / 1055 cfm (DSF300 Fan) / 60 = 3 DSF Fans (round to the nearest whole number)

At Continental Fan, **better AIRFLOW by DESIGN** is not just a slogan — it is a fact. Continental Fan's engineering department can design a custom fan, incorporating products from a selection of axial fans, centrifugal blowers, and motorized impellers. Nearly all Continental Fan's industrial products can be customized for specific applications.

## CUSTOMIZED ADD TUBEAXIAL FANS

These model ADD direct drive tubeaxial fans are designed for use on offshore oil well platforms and can withstand the ocean's harsh environment.



### SPECIAL FEATURES

- Continuously welded construction
- Hot dip galvanized coating
- ELTA cast aluminum impeller
- Swivel yoke
- OSHA style front and rear guards
- TEFC motor with arctic duty grease

## CUSTOMIZED AIB TUBEAXIAL FANS

Laboratories offer some of the most challenging fan applications. The problem is moist, corrosive, hot air. Continental Fan's answer is this all stainless steel belt driven tubeaxial fan.



### SPECIAL FEATURES

- 316L Stainless Steel Construction
- 316L Stainless Steel Impeller
- High Temperature Construction to 375 F
- Continuously welded construction
- Horizontal Mounting Brackets
- Severe Duty Motor

## CUSTOMIZED MIXED FLOW FANS

Mechanical Equipment Rooms are vital to the operation and well being of high rise buildings in major metropolitan areas. The need is for continuous operation, large volumes of air, low noise and minimum maintenance. The answer is CFM's Mixed Flow Fans. These special mixed flow fans are installed in Tower 4 of the New World Trade Center Complex in New York City.



### SPECIAL FEATURES

- High capacity mixed flow adjustable pitch impellers
- Super quiet, highly efficient performance
- Multiple blade setting available
- Exact performance matching
- Direct Drive units with external junction box to minimize maintenance
- TEFC motors



## *Industrial Fans & Blowers*

Centrifugal Blowers | Axial Fans  
Panel & Flange Fans  
Roof Ventilators | Fiberglass Fans



## *OEM Solutions & Custom Fans*

Motorized Axials | Motorized Centrifugals  
OEM Impellers  
Cabinet Cooling | Plenum & Plug Fans



## *Commercial Fans & Dampers*

Wall Fans | Utility Fans  
Cabinet & Exhaust Fans  
Roof Fans | BDD & IRIS Dampers



## *Residential Fans & Air Purification Systems*

Bathroom Fans | In-line Duct Fans  
External Mount Duct Fans  
Dryer Boosting | Air Purification



[www.continentalfan.com](http://www.continentalfan.com)



better AIRFLOW by DESIGN™

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**INDUSTRIAL VENTILATION PRODUCTS**

