

# PANEL & FLANGE FANS

## AFK-ECM DIRECT DRIVE FLANGE FANS

### FEATURES & BENEFITS

- Ideal for maximum savings on variable speed applications
- IE5 efficiency, electronically commutated (EC) motors
- Plug-and-play integrated motor and drive
- Bluetooth communication and programming software available
- 1 to 10 HP motors available for 50/60Hz supply
- Single phase 110-115V or 200-240V; 3-phase 200-240V or 380-480V
- Supply, exhaust or fully reversible configurations
- Cast aluminum airfoil impellers as standard, optional GRP available
- Heavy gauge steel construction with baked polyester finish
- Customizable for OEM applications or new construction
- Sizes range from 12" to 42"
- Capacities up to 40,000 cfm

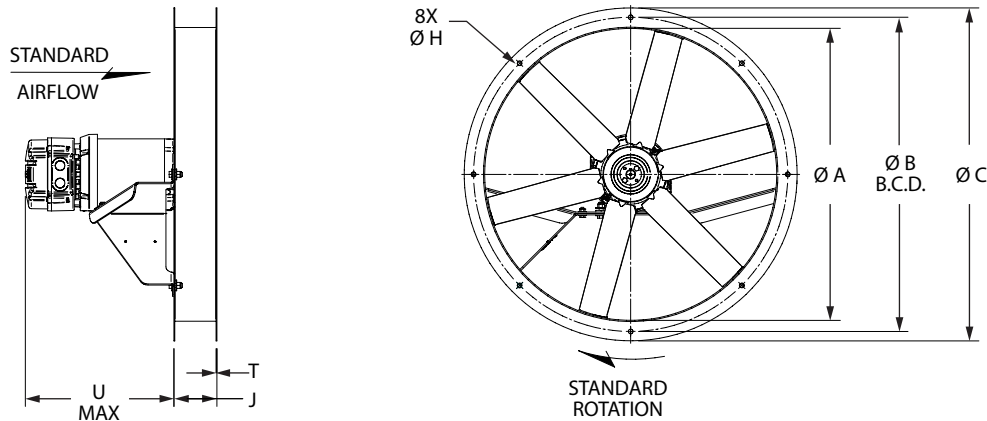


### APPLICATIONS

- General ventilation
- Industrial drying
- Renewable energy
- OEM cabinet cooling
- Variable speed AHUs
- Circulation / recirculation units

### ACCESSORIES / OPTIONS

- Special coatings
- Special materials
- Mounting panel
- Motor side guard
- Impeller side guard
- Reverse flow construction
- Housing yoke with mounting bracket
- Axial- or top-mount drive up to 7.5 HP motors
- Top-mount drive for 10 HP motors



DIMENSIONS IN INCHES\*

MODEL	A	B	C	H	J	T	U MAX	MAX MTR FRAME
AFK-12-ECM	12.2	13.8	15.0	0.44	3.0	0.06	14.5	143/5T
AFK-14-ECM	14.2	16.3	17.5	0.44	3.0	0.06	14.5	143/5T
AFK-16-ECM	16.2	18.0	19.5	0.44	4.0	0.08	14.5	143/5T
AFK-18-ECM	18.2	20.8	22.0	0.44	4.0	0.08	14.5	143/5T
AFK-21-ECM	21.2	23.3	24.5	0.44	4.0	0.08	14.5	143/5T
AFK-24-ECM	24.2	26.3	27.5	0.44	4.0	0.08	19.5	182/4T
AFK-27-ECM	27.2	29.3	31.0	0.44	4.0	0.08	19.5	182/4T
AFK-30-ECM	30.2	32.6	34.5	0.56	4.0	0.11	20.5	213/5T
AFK-36-ECM	36.2	38.4	40.5	0.56	5.0	0.11	20.5	213/5T
AFK-42-ECM	42.2	44.6	46.5	0.56	5.0	0.11	15.9 (top drive)	213/5T

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

## AFK DIRECT DRIVE FLANGE FANS

### FEATURES & BENEFITS

- Spark resistant, cast aluminum airfoil axial impeller
- Unit can be built for supply or exhaust configurations
- Superior performance and sound characteristics
- Heavy gauge steel
- Baked polyester powder coat finish
- TEFC industrial duty motor
- GRP (polypropylene) impeller available
- Ideal for OEM applications or new construction
- Fully reversible design option available
- Sizes range from 12" to 42"
- Capacities to 34,000 cfm from stock components
- Custom designs available

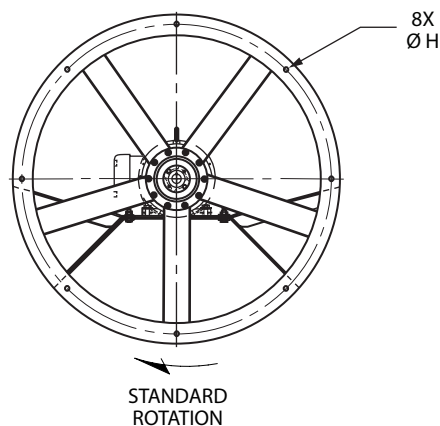
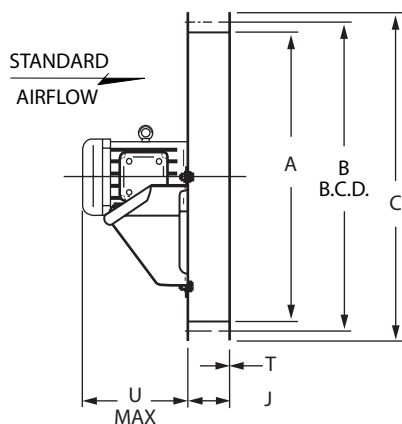


### APPLICATIONS

- 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
- Impeller side guard
- Reverse flow construction
- Housing yoke with mounting bracket
- AMCA spark resistant construction - consult factory
- Explosion proof & special duty motors



DIMENSIONS IN INCHES\*

MODEL	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	0.56	4.0	0.11	16.5	213/5T
AFK-36	36.2	38.4	40.5	0.56	5.0	0.11	16.5	213/5T
AFK-42	42.2	44.6	46.5	0.56	5.0	0.11	21.5	254/6T

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## APK DIRECT DRIVE PANEL FANS

### FEATURES & BENEFITS

- Spark resistant, cast aluminum airfoil axial impeller
- Superior performance and sound characteristics
- Heavy gauge steel
- Baked polyester powder coat finish
- TEFC industrial duty motor
- GRP (polypropylene) impeller available
- Aluminum construction available
- Sizes range from 12" to 36"
- Capacities to 23,000 cfm from stock components
- Custom designs available

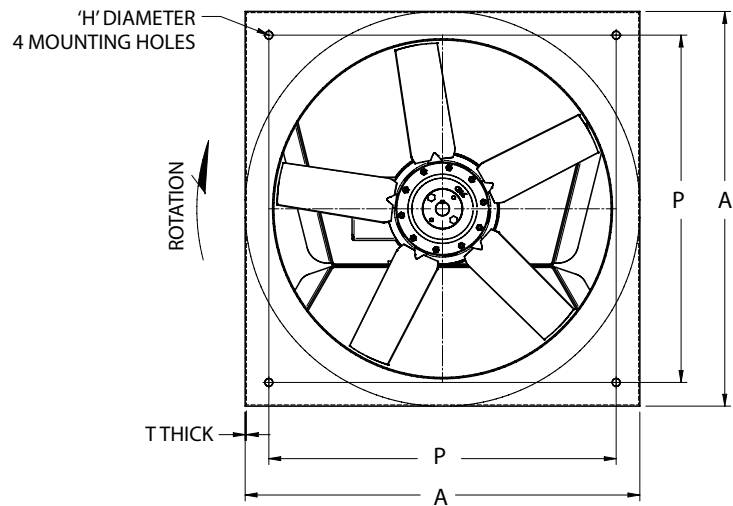
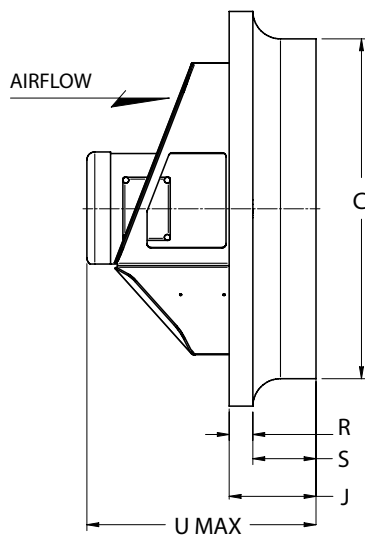


### APPLICATIONS

- OEM
- Replacement parts
- New construction

### ACCESSORIES / OPTIONS

- Weather hood
- Motor & impeller side guards
- Motorized & gravity dampers
- Mounting boot
- Filter cabinet
- AMCA spark resistant construction - consult factory



DIMENSIONS IN INCHES\*

MODEL	A	C	H	J	P	R	S	T	U MAX	MAX MTR FRAME
APK-12	16	12.4	0.5	4.0	13.0	1.5	2.5	0.06	14.8	143/5T
APK-14	18	14.4	0.5	3.5	15.0	1.0	2.5	0.06	14.8	143/5T
APK-16	20	16.4	0.5	4.3	17.0	1.3	3.0	0.06	14.8	143/5T
APK-18	22	18.4	0.5	4.8	19.0	1.3	3.5	0.08	14.8	143/5T
APK-21	25	21.4	0.5	5.5	22.0	1.5	4.0	0.08	14.8	143/5T
APK-24	28	24.4	0.5	5.5	25.0	1.5	4.0	0.08	16.8	182/4T
APK-27	32	27.4	0.5	5.5	29.0	1.5	4.0	0.08	16.8	182/4T
APK-30	36	30.4	0.4	5.5	33.3	2.0	3.5	0.08	20.6	213/5T
APK-36	42	36.4	0.4	6.0	39.3	2.0	4.0	0.08	26.1	213/5T

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## APW DIRECT DRIVE PANEL FANS

### FEATURES & BENEFITS

- Spark resistant, cast aluminum airfoil axial impeller
- Factory set adjustable pitch blades
- Baked polyester powder coat finish
- Heavy duty welded steel motor base and panel construction
- TEFC industrial duty motor
- Simple maintenance– no belts or pulleys
- Sizes range from 14" to 60"
- Capacities to 60,000 cfm

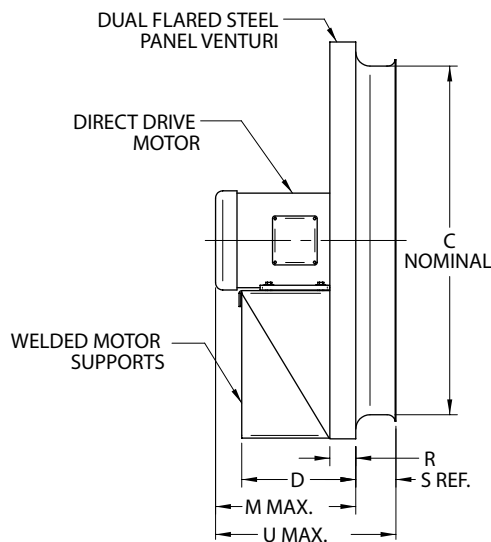


### APPLICATIONS

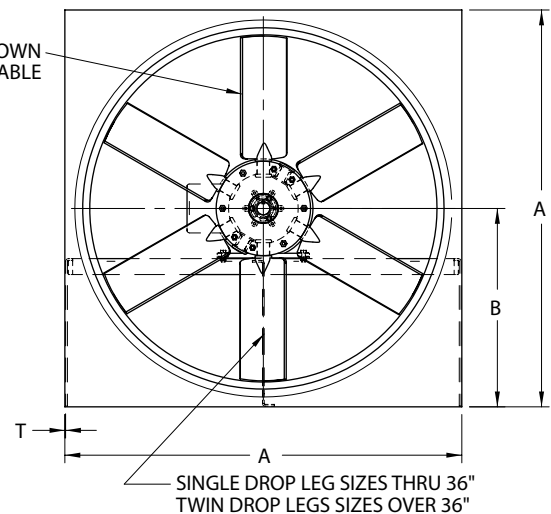
- General ventilation
- Foundry ventilation
- Parking garage ventilation
- Power plant ventilation
- Petrochemical ventilation
- Warehouse ventilation

### ACCESSORIES / OPTIONS

- Weather hood
- Bird screen
- Mounting boot
- Special coatings & materials
- Motor side guard
- Reverse flow construction
- Gravity & motor operated shutters
- AMCA spark resistant construction - consult factory
- Explosion proof & special duty motors



6 BLADE PROPELLER SHOWN  
OTHER SELECTIONS AVAILABLE



DIMENSIONS IN INCHES\*

MODEL	A	B	C	D	M	R	S	T	U	MAX MTR FRAME
APW-14	18.0	9.0	14.8	9.3	11.1	2.0	1.8	0.1	12.9	56
APW-16	20.0	10.0	16.8	9.3	11.9	2.0	2.5	0.1	14.4	56
APW-18	22.0	11.0	18.8	10.1	13.1	2.0	2.5	0.1	15.6	182/4T
APW-21	24.0	12.0	20.8	9.6	12.8	2.0	3.3	0.1	16.1	182/4T
APW-24	30.0	15.0	24.8	12.7	15.2	2.8	3.6	0.1	18.8	213/5T
APW-27	32.0	16.0	27.9	12.7	15.2	2.8	4.0	0.1	19.2	213/5T
APW-30	36.0	18.0	31.0	12.8	15.2	2.8	3.7	0.1	18.8	213/5T
APW-36	42.0	21.0	36.9	17.4	19.8	2.8	4.3	0.1	24.1	254/6T
APW-42	48.0	24.0	42.9	17.4	19.8	2.8	4.8	0.1	24.6	254/6T
APW-48	54.0	27.0	48.9	19.7	23.6	2.8	4.8	0.1	28.3	284/6T
APW-54	60.0	30.0	55.0	22.4	26.9	2.8	5.0	0.1	31.9	324/6T
APW-60	Contact Factory									

AIRFLOW PERFORMANCE (CFM)

MODEL	MAXIMUM
APW-14	3,000
APW-16	4,500
APW-18	6,000
APW-21	7,500
APW-24	12,000
APW-27	16,000
APW-30	22,000
APW-36	28,000
APW-42	36,000
APW-48	46,000
APW-54	60,000
APW-60	Contact Factory

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS

# PANEL & FLANGE FANS

## ADP DIRECT DRIVE PANEL FANS

### FEATURES & BENEFITS

- Spark resistant, cast aluminum airfoil axial impeller
- Aerodynamically efficient performance
- Factory set adjustable pitch impeller
- Heavy duty welded steel frame and panel construction
- Baked polyester powder coat finish
- Simple maintenance - no belts or pulleys
- TEFC industrial duty motor
- Broad range of static pressures available
- Sizes range from 12" to 60"
- Capacities to 57,200 cfm

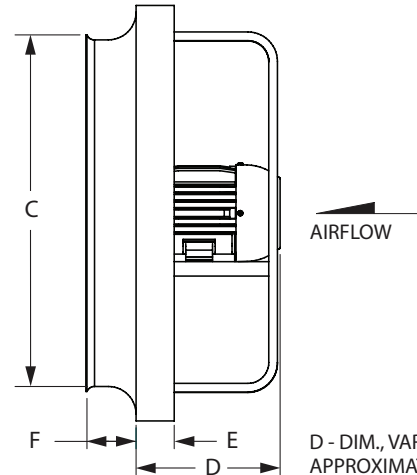
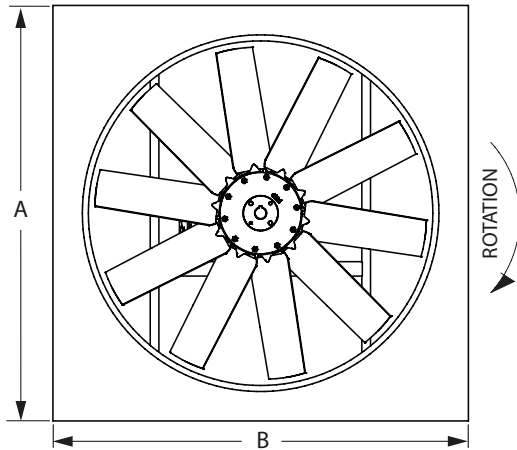


### APPLICATIONS

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

### ACCESSORIES / OPTIONS

- Motor operated shutters
- Gravity shutters
- Bird screen for shutters
- Motor & impeller side guards
- 304 stainless steel construction
- 316 stainless steel construction
- Reverse flow construction
- Special duty motors
- Mounting boot - interior or exterior mount
- Weather hood complete with bird screen
- Baked epoxy powder coat finish, two layers
- AMCA spark resistant construction - consult factory



D - DIM., VARIES WITH MOTOR SIZE  
APPROXIMATE DIM. SHOWN IN TABLE

#### DIMENSIONS IN INCHES\*

MODEL	A	B	C	D	E	F	WT (lbs) LESS MTR	MAX MTR FRAME
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	62.0	22	2.8	5.0	495	284T

\*DO NOT USE FOR CONSTRUCTION

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#### 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
- Aerodynamically efficient performance
- Factory set adjustable pitch impeller
- Heavy duty welded steel frame and panel construction
- Baked polyester powder coat finish
- TEFC industrial duty motor
- Self-aligning pillow block ball bearings
- V-belt drives for low speed operation
- Sizes range from 24" to 60"
- Capacities to 44,600 cfm

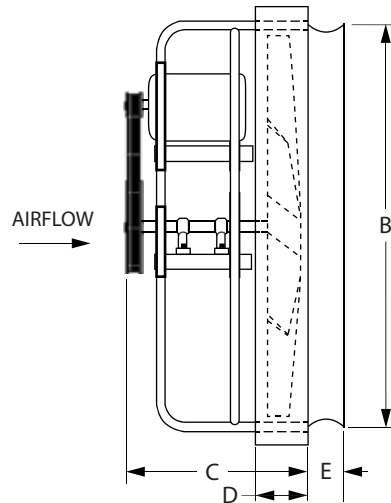
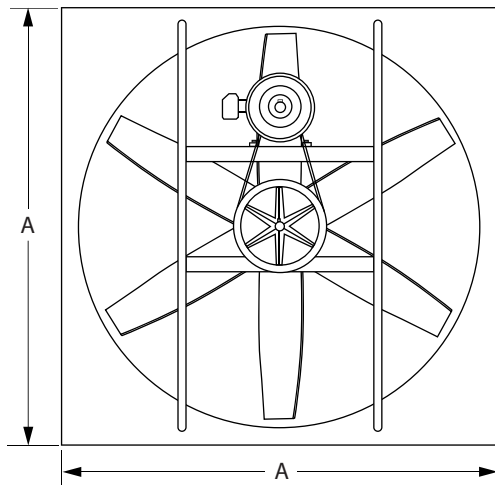


### APPLICATIONS

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

### ACCESSORIES / OPTIONS

- Motor operated shutters
- Gravity shutters
- Bird screen for shutters
- Motor & impeller side guards
- Variable pitch sheaves
- Reverse flow construction
- Explosion proof motors
- Special duty motors
- Mounting boot - interior or exterior mount
- Weather hood complete with bird screen
- Baked epoxy powder coat finish, two layers
- AMCA spark resistant construction - consult factory



C - DIM., VARIES WITH MOTOR SIZE  
APPROXIMATE DIM. SHOWN IN TABLE

MODEL	DIMENSIONS IN INCHES*					WT (lbs) LESS MTR	MAX MTR FRAME
	A	B	C	D	E		
ABP-24	30.0	25.5	20.0	2.8	3.5	100	145T
ABP-30	36.0	31.5	20.0	2.8	3.5	135	145T
ABP-36	42.0	37.5	22.0	2.8	4.0	170	145T
ABP-42	48.0	44.0	24.0	2.8	4.5	185	184T
ABP-48	54.0	50.5	25.0	2.8	4.5	195	184T
ABP-54	60.0	56.5	26.0	2.8	4.8	270	184T
ABP-60	66.0	62.0	28.0	2.8	5.0	330	184T

\*DO NOT USE FOR CONSTRUCTION

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MODEL	AIRFLOW PERFORMANCE (CFM)	
	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

# PANEL & FLANGE FANS

## AFF FILTERED FANS

### FEATURES & BENEFITS

- Spark resistant, cast aluminum airfoil axial impeller
- Supply or exhaust configurations
- OSHA style impeller side guard
- Baked polyester powder coat finish
- Removable filter box section
- TEFC industrial duty motor
- Optional explosion proof motor
- Disposable 2" filters are high capacity, pleated type that meet MERV 8 rating
- Aluminum backdraft damper

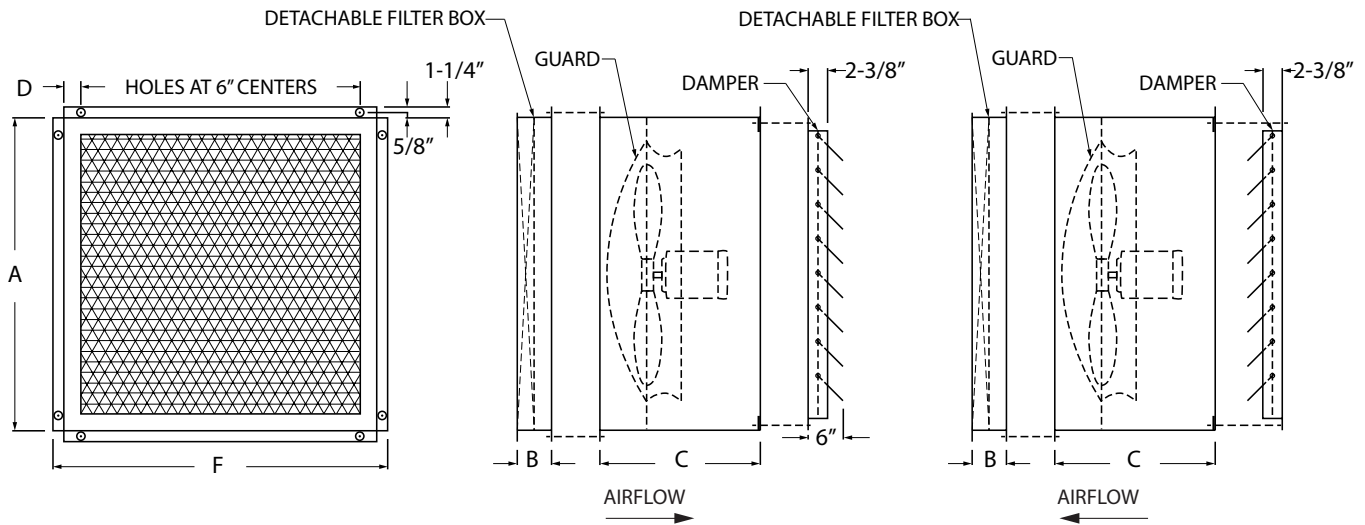


### APPLICATIONS

- Unducted paint booths
- Electrical cabinets
- OEM machinery & equipment
- Storage facilities
- Power plant ventilation
- General ventilation

### ACCESSORIES / OPTIONS

- Weatherhood
- Coatings for harsh environments
- AMCA spark resistant construction - consult factory



MODEL	DIMENSIONS IN INCHES*					FILTER SIZE
	A	B	C	D	F	
AFF-12	16.25	4	20	2	18.75	16x16x2 (1)
AFF-16	20.25	4	20	3	22.75	20x20x2 (1)
AFF-18	24.25	4	20	3	26.75	24x24x2 (1)
AFF-20	24.25	4	22	3	26.75	24x24x2 (1)
AFF-24	30.25	4	25	3	32.75	20x20x2 (1) 20x10x2 (2) 10x10x2 (1)
AFF-30	36.25	4	28	3	38.75	18x18x2 (4)
AFF-36	42.25	33	36	3	44.75	18x24x2 (4) 24x24x2 (4)
AFF-42	48.25	33	37	3	50.75	24x24x2 (8)
AFF-48	54.25	33	37	3	56.75	18x24x2 (12)

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

MODEL	PERFORMANCE				
	ALUMINUM IMPELLER	HP	MOTOR RPM	# FILTERS	CFM W/FILTERS
AFF-12	12/150/5/21	¼	1800	1	750
AFF-16	16/150/5/21	¼	1800	1	1,780
AFF-18	18/150/5/23	½	1800	1	2,600
AFF-20	20/150/10/20	1	1800	1	3,600
AFF-24	24/150/5/18	1	1800	4	5,100
AFF-30	30/150/10/15	1	1200	4	6,000
AFF-36	36/150/10/18	2	1200	8	11,000
AFF-42	42/255/4/14	2	1200	8	14,500
AFF-48	48/255/4/13	3	1200	12	18,750

## PACKAGED PANEL FAN OPTION

### FEATURES & BENEFITS

- Supply or exhaust configurations
- Heavy gauge fan and shutter mounting box, factory mounted
- Baked polyester powder coat finish
- Three types of shutters available:
  - 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, & 60 inch sizes are formed wire five piece guards

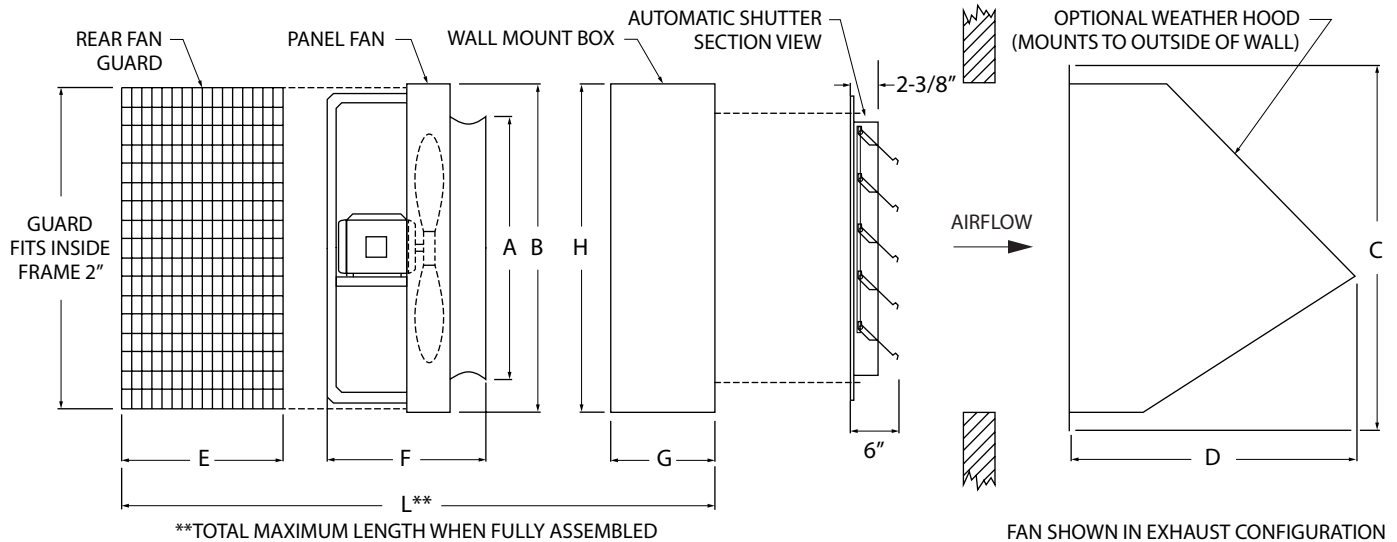


### APPLICATIONS

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

### ACCESSORIES / OPTIONS

- Exterior weather hood recommended for intake applications
- AMCA spark resistant construction - consult factory



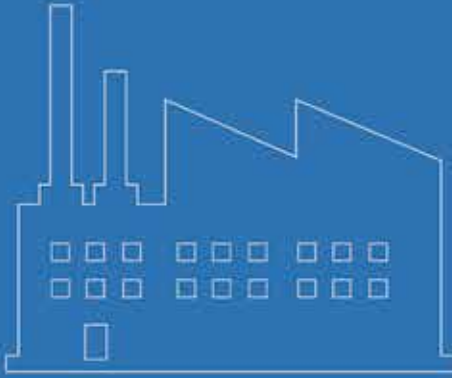
DIMENSIONS IN INCHES\*

FAN SIZE	A	B	C	D	H	G	WALL OPENING	E	F	L**	SHUTTER SIZE
12	13.0	16.0	23.0	22.0	16.25	8.0	16.75	15.0	12.3	22.0	12.0
16	17.5	20.0	27.0	24.0	20.25	9.0	20.75	15.0	13.3	23.0	16.0
18	19.5	24.0	29.0	25.0	24.25	10.0	24.75	15.0	15.5	24.0	18.0
20	21.5	24.0	31.0	26.0	24.25	11.0	24.75	15.0	15.8	25.0	20.0
24	25.5	30.0	35.0	28.0	30.25	14.0	30.75	24.0	18.5	37.0	24.0
30	31.5	36.0	41.0	32.0	36.25	14.0	36.75	24.0	18.5	37.0	30.0
36	37.5	42.0	47.0	36.0	42.25	15.0	42.75	24.0	19.0	38.0	36.0
42	44.5	48.0	53.0	44.0	48.25	16.0	48.75	24.0	22.3	39.0	42.0
48	50.5	54.0	59.0	46.0	54.25	16.0	54.75	24.0	24.5	39.0	48.0
54	56.5	60.0	65.0	50.0	60.25	18.0	60.75	24.0	26.8	41.0	54.0
60	62.0	66.0	71.0	54.0	66.25	18.0	66.75	26.5	27.0	43.5	60.0

\*DO NOT USE FOR CONSTRUCTION

CONSULT FACTORY FOR CERTIFIED PRINTS





***Industrial Fans  
& Blowers***



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& Custom Fans***



***Commercial Fans  
& Dampers***



***Residential Fans &  
Air Purifiers***



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