

2008 CATALOG / PRICE BOOK

EFFECTIVE JANUARY 1, 2008

\$4.95



Airmaster® Fan Company

leading the industry



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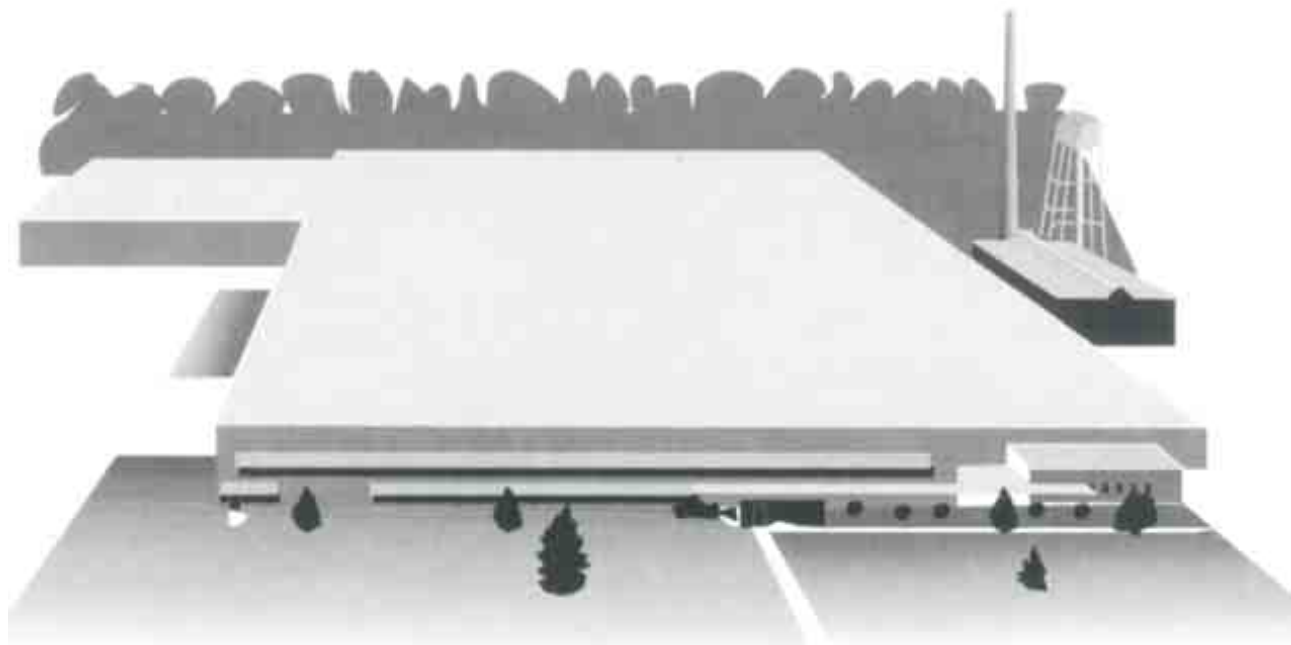
Airmaster® Fan Company traces its roots to the Diehl Fan Company, who patented the first practical electrical fan in 1886.

A hundred years later Airmaster® acquired the Chelsea, Brundage and Power Line Fan operations from Clevepak Corporation. Brundage started production in 1919, Chelsea in 1935 and Power Line in 1957. Airmaster® maintained each operating independently to different market segments.

Sales and marketing were consolidated by Airmaster® in 2002 to improve operations and concentrate on fulfilling customer needs.

Airmaster®'s only focus is fans. The factory is complete with engineering staff, certified laboratory for design and development, metal fabricating machinery, and tool and die facilities. Located in Jackson, Michigan, the company maintains stocking warehouses across the U.S., offering the largest line of air moving equipment in North America. Sales are made through the wholesale distributor by representative agencies. Airmaster® exports throughout the world.

Names may change, but the high quality standards in product and service, for which Airmaster® and its predecessors were noted, remain the same: reliable products, uncompromising quality and prompt service.



Plant & Offices 750,000 sq ft

**Airmaster® Fan Company
1300 Falahee Road
Jackson, Michigan 49203**

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SHIPPING WEIGHTS LISTED ARE APPROXIMATE. SOME PRODUCTS MAY BE SUBJECT TO DIMENSIONAL WEIGHT AND/OR ADDITIONAL HANDLING CHARGES. CONTACT AIRMASTER® CUSTOMER SERVICE FOR FURTHER INFORMATION.



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- | | |
|--|--|
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Airmaster Fan Company
1300 Falahee Road / PO Box 968
Jackson, MI 49204 |
| 2.) PHONE: 517-764-2300 | 5.) E-MAIL AIRMASTER® :
sales@airmasterfan.com |
| 3.) FAX OR PHONE YOUR LOCAL
AIRMASTER® SALES REPRESENTATIVE | |



Airmaster® FAN COMPANY



HEAVY-DUTY AIR CIRCULATORS - 115V

PEDESTAL, WALL, I-BEAM & CEILING MOUNT FANS

Oscillating/Non-Oscillating



5 Year Warranty - Ultra Quiet



Adjustable Pedestal



Wall Mount



Ceiling Mount



A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.



I-Beam Mount

FEATURES

- Energy Efficient - Lowest Watts Per CFM
- Ultra Quiet Die Cast Aluminum Airfoil Propeller
- Excellent for Churches, Schools, Industrial and Commercial Applications
- Includes Cord and Plug
- Wall and I-Beam Mounts Able To Be Installed By One Individual
- Meets OSHA Standards & UL / CUL Listed
- 3 Speed Motor
- 1/3 HP, 115V, 1 Phase, Totally Enclosed, Ball Bearing Motor
- Patented Modular Motor End Dome for easy maintenance
- UPS Shippable
- All Stocked

PERFORMANCE 115V

Prop Dia.	CFM			RPM			Motor Number	FL. Amps
	High	Med.	Low	High	Med.	Low		
24"	5387	4356	3125	1070	850	628	967 (Osc.)	2.5
30"	7996	5859	4063	1045	789	561	967 (Osc.)	2.6
24"	5588	4556	3325	1110	900	700	642 (Non-Osc.)	2.5
30"	8402	6259	4463	1098	880	660	642 (Non-Osc.)	2.8

Performance Ratings are conducted in accordance with AMCA Standard 230-99

MOTOR TILT ADJUSTMENTS

TYPE	TILT UP OR DOWN (IN DEGREES)			
	OSCILLATING		NON-OSCILLATING	
	UP	DOWN	UP	DOWN
FLOOR	20°	10°	20°	10°
WALL	20°	5°	20°	15°
I-BEAM	20°	20°	20°	20°
CEILING	N/A	N/A	N/A	N/A

0° = Horizontal Plane

UNIT PACKS *Motor, Specified Mounting, Propeller & Guard Shipped In A Single Carton*

NON-OSCILLATING MODELS - 642 MOTOR

Prop Dia.	Fan Style	EDP Number	Catalog No. 115V	Ship. Wt.	List Price
24"	Pedestal Fan	20895	UP24LF16-S	85	\$718
	Wall Mount	37144	UP24LW16-S8	56	\$639
	I-Beam Mount	37139	UP24LI16-S	58	\$697
	Ceiling Mount	37137	UP24LS16-S	50	\$614
30"	Pedestal Fan	20900	UP30LF16-S	91	\$776
	Wall Mount	37145	UP30LW16-S8	60	\$696
	I-Beam Mount	37140	UP30LI16-S	63	\$754
	Ceiling Mount	37138	UP30LS16-S	55	\$683

OSCILLATING - 967 MOTOR

EDP Number	Catalog No. 115V	List Price
20885	UP24BN-S	\$1109
37129	UP24WN-S8	\$1030
37147	UP24IN-S	\$1088
N/A	N/A	---
20890	UP30BN-S	\$1166
37135	UP30WN-S8	\$1087
37148	UP30IN-S	\$1146
N/A	N/A	---

FAN HEAD COMPONENT PACKS *Motor, Propeller & Guard Shipped In A Single Carton*

Prop Dia.	Fan Style	EDP Number	Catalog No. 115V	Ship. Wt.	List Price
24"	Head Components	20918	967-24"MGB**	52	\$940
24"	Head Components	20917	642-24"MGB	48	\$548
30"	Head Components	20920	967-30"MGB**	55	\$996
30"	Head Components	20919	642-30"MGB	52	\$605

Use with Heavy Duty Mounting Bracket **Oscillating

ASSEMBLED FAN HEADS *Motor, Propeller & Guard Assembled*

NON-OSCILLATING MODELS - 642 MOTOR

Prop Dia.	Fan Style	EDP Number	Catalog No.	Ship. Wt.	List Price
24"	Head Assembly	20115	M24GBA	50	\$584
30"	Head Assembly	20915	M30GBA	55	\$641

MOUNTINGS *For Fan Head Component Packs and Assembled Fan Heads*

Fan Style	EDP Number	Catalog No.	Description	Ship. Wt.	List Price
ADJ. PEDESTAL	21152	8CP-2B	5' to 8' pedestal (for use with A786B base.)	11	\$87
FLOOR BASE	21166	A786B-2	For use with 8CP-2B pedestal.	34	\$83
WALL BRACKET	21187	878W	Use for HD air circulator wall mountings. Includes Safety Cable Kit.	10	\$91
I-BEAM BRACKET	21191	700-U	Use for HD air circulator I-Beam mountings. Includes Safety Cable Kit.	14	\$149
CEILING BRACKET	21203	CK-2	Use for HD air circulator ceiling mount (non-oscillating only). Extension pipe not included. Includes Safety Cable Kit.	5	\$65

NOTES:

Oscillating motor not to be used upside down.

See page 5 for optional accessories and component parts for fan head assemblies & component packs.

5 Year Warranty - Ultra Quiet

FEATURES

- 230/460V, 1/4 HP, 3 Phase, 1 Speed, Totally Enclosed Ball Bearing Motor

PERFORMANCE 230/460V

Prop Dia.	CFM	RPM	Motor No.	FL. Amps
24"	5739	1140	1069	1.2/6
30"	8723	1140	1069	1.2/6

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

NON-OSCILLATING MODELS

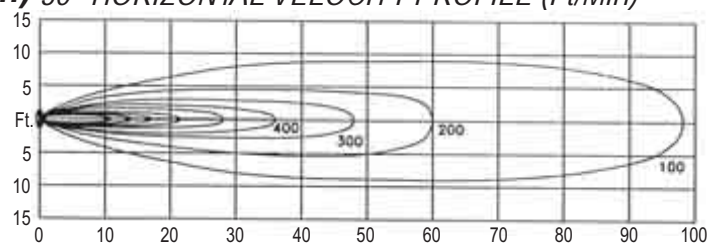
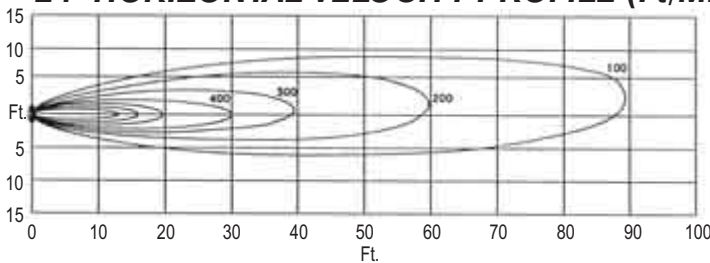
Prop Dia.	Fan Style	EDP Number	Catalog No. 230/460V	Ship. Wt.	List Price
24"	All 24" Kitted Components consist of: 21025 (1069 B Motor); 21070 (AC24-G Guard Assembly); 21095 (24BA-1A Prop); plus mounting listed below.				
	Pedestal Fan 21152 (8CP-2B Pedestal) 21166 (A786B-2 Base)	20600K	24LF36	70	\$1030
	Wall Mount Fan 21187 (878W Wall Brkt. with Safety Cable)	20620K	24LW368	49	\$922
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20640K	24LI36	49	\$979
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20630K	24LS36	39	\$897
30"	All 30" Kitted Components consist of: 21025 (1069 B Motor); 21080 (AC30-G Guard Assembly); 21105 (30BA-1A Prop); plus mounting listed below.				
	Pedestal Fan 21152 (8CP-2B Pedestal) 21166 (A786B-2 Base)	20650K	30LF36	77	\$1087
	Wall Mount Fan 21187 (878W Wall Brkt. with Safety Cable)	20670K	30LW368	56	\$979
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20690K	30LI36	56	\$1034
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20680K	30LS36	46	\$953



FAN VELOCITY PROFILES

Represents all 1/4 & 1/3 HP Heavy Duty Air Circulators.
(See Page 4 for 1 HP Industrial Spot Cooler Profiles.)

24" HORIZONTAL VELOCITY PROFILE (Ft/Min) **30" HORIZONTAL VELOCITY PROFILE (Ft/Min)**



HAZARDOUS LOCATION AIR CIRCULATORS

115/230V or 230/460V Spark Resistant Non-Oscillating



Motor is
UL Listed



Explosion Proof Motor for Class 1, Group D & Class II, Group F & G
See page 33 for further Explosion Proof Motor information.

FOR USE IN HAZARDOUS LOCATIONS SUCH AS:
Oil Refineries
Welding Shops
Paint Operations / Storage
and Other Locations that may contain Explosive Gas, Vapor or Dust in the Atmosphere

A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.

FEATURES

- Ultra Quiet Die Cast Aluminum Propeller
- OSHA Approved Safety Guards
- 115/230V, 1/4 HP, 1 Phase & 230/460V, 1/4 HP, 3 Phase, Single Speed, Ball Bearing Motors

- All Unit Packs in Stock

PERFORMANCE 115/230-230/460V

Prop Dia.	CFM	RPM	Motor No.	Volt	F.L. Amps
24"	5739	1140	1169	115/230	6.9/3.5
24"	5739	1140	1269	230/460	1.1/.55
30"	8723	1140	1169	115/230	6.9/3.5
30"	8723	1140	1269	230/460	1.1/.55

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

UNIT PACKS *Motor, Specified Mounting, Propeller & Guard Shipped In A Single Carton*

115/230 SPARK RESISTANT MODELS *Non-Oscillating*

Prop Dia.	Fan Style	EDP Number	Catalog No. <small>115V/230V Exp. Proof</small>	Ship. Wt.	List Price
24"	Pedestal Fan	20301	UP24LF16X	102	\$1153
	Wall Mount	20321	UP24LW16X8	81	\$1044
	I-Beam Mount	20341	UP24LI16X	81	\$1099
	Ceiling Mount	20331	UP24LS16X	71	\$1019
30"	Pedestal Fan	20351	UP30LF16X	109	\$1210
	Wall Mount	20371	UP30LW16X8	88	\$1101
	I-Beam Mount	20391	UP30LI16X	88	\$1156
	Ceiling Mount	20381	UP30LS16X	78	\$1075

KITTED UNITS *Unit Shipped As Individual Component Parts Via Truck Or UPS*

230/460 SPARK RESISTANT MODELS *Non-Oscillating*

Prop Dia.	Fan Style	EDP Number	Catalog No. <small>230V/460V Exp. Proof</small>	Ship. Wt.	List Price
24"	All 24" Kitted Components consist of: 21040 (1269 XP Motor); 21070 (AC24G Guard Ass'y.); 21095 (24BA-1A Prop); plus mounting listed below				
	Pedestal Fan 21152 (8CP-2B Pedestal) 21166 (A786-2 Base)	20450K	24LF36X	100	\$1311
	Wall Mount Fan 21187 (878W-Tilted Wall Brkt. with Safety Cable)	20470K	24LW36X8	79	\$1202
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20490K	24LI36X	79	\$1259
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20480K	24LS36X	69	\$1177
30"	All 30" Kitted Components consist of: 21040 (1269 XP Motor); 21080 (AC30G Guard Ass'y.); 21105 (30BA-1A Prop); and mounting listed below				
	Pedestal Fan 21152 (8CP-2B Pedestal) 21166 (A786B-2 Base)	20500K	30LF36X	107	\$1368
	Wall Mount Fan 21187 (878W-Tilted Wall Brkt. with Safety Cable)	20520K	30LW36X8	86	\$1260
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20540K	30LI36X	86	\$1315
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20530K	30LS36X	76	\$1234

NOTES:

XP = Explosion Proof

"K" suffix indicates unit shipped as individual component parts. May be shipped UPS or Truck.

Cord and Plug not provided. Must be hard wired. Wiring must conform to all national, state and local codes.



FEATURES

- Heavy Gauge Galvanized Steel Propeller for Severe Conditions
- 4 Mounting Options - Pedestal, Wall, I-Beam & Ceiling
- 208/230/460V, 1 HP, 3 Phase, Totally Enclosed, Ball Bearing Motor
- Single Speed
- 1 Year Warranty

PERFORMANCE 208/230/460V

Prop Dia.	CFM	RPM	Motor No.	FL. Amps
24"	7700	1140	1369	4.0/2.0
30"	12400	1125	1369	4.0/2.0

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

NON-OSCILLATING MODELS - 1369 MOTOR

Prop Dia.	Fan Style	EDP Number	Catalog No. 208/230/460V Non-Osc.	Ship. Wt.	List Price
24"	All 24" Kitted Components consist of: 21050 (1369 Motor); 21070 (AC24-G Guard Assembly); 21120 (24HH-1 Prop); plus mounting listed below				
	Pedestal Fan 21152 (8CP-2B Pedestal) 21166 (A786-2 Base)	20750K	24HF36	89	\$1118
	Wall Mount Fan 21187 (878W-Tilted Wall Brkt. with Safety Cable)	20770K	24HW36	68	\$1009
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20790K	24HI36	68	\$1065
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20780K	24HS36	58	\$984
30"	All 30" Kitted Components consist of: 21050 (1369 Motor); 21080 (AC30-G Guard Assembly); 21130 (30HH-1 Prop); plus mounting listed below				
	Pedestal Fan 21152 (8CP-2B Pedestal) 21166 (A786-2 Base)	20840K	30HF36	96	\$1178
	Wall Mount Fan 21187 (878W-Tilted Wall Brkt. with Safety Cable)	20860K	30HW36	83	\$1068
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20880K	30HI36	83	\$1124
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20870K	30HS36	65	\$1043

MADE IN USA

A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.

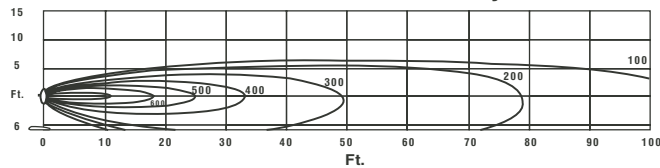


MOTOR TILT ADJUSTMENTS

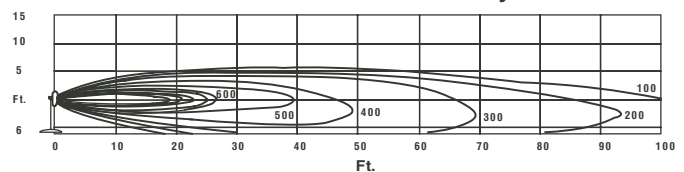
TYPE	TILT (IN DEGREES)	
	NON-OSCILLATING	
	UP	DOWN
FLOOR	20°	10°
WALL	20°	15°
I-BEAM	20°	20°
CEILING	8°	20°

0° = Horizontal Plane

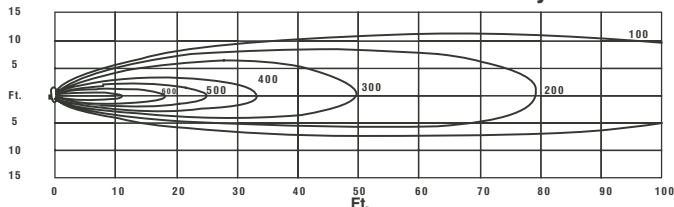
Airmaster® 24HF36 Vertical Velocity Profile



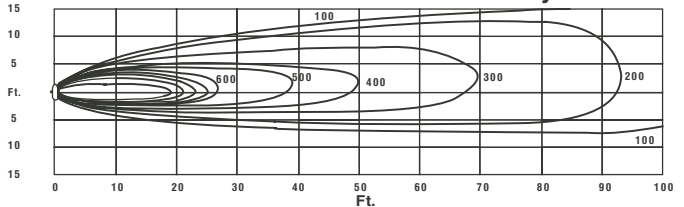
Airmaster® 30HF36 Vertical Velocity Profile



Airmaster® 24HF36 Horizontal Velocity Profile



Airmaster® 30HF36 Horizontal Velocity Profile



Note: Velocity is shown in FPM (Feet Per Minute), divide FPM by 88 for MPH (Miles Per Hour).

NOTES:

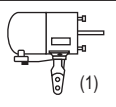
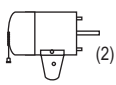
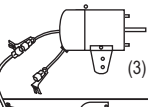
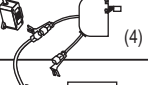

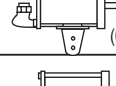
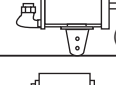
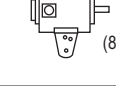





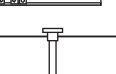


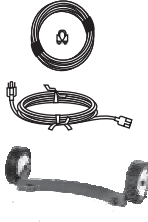
"K" suffix indicates unit shipped as individual component parts. May be shipped UPS or Truck.

Cord and Plug not provided with Industrial Spot Cooler. Must be hard wired. Wiring must conform to all national, state and local codes



HEAVY-DUTY AIR CIRCULATORS

Component Parts / Accessories for Assembled Fan Heads & Component Packs

	EDP NUMBER	CAT. NUMBER	DESCRIPTION	FL. AMPS	SHIP WT.	LIST
MOTORS						
 (1)	21007	967-3 SP.	Single-phase, three speed, 115 volt, ball bearing, oscillating (use only on standard oscillating fans). Use BA-1A Propeller NOTE: Oscillating Motor NOT to be used in UPSIDE-DOWN position (1)	2.7	24	\$689
	21777		Gear box assembly for 967-3SP			\$160
 (2)	21017	642-AC 3 SP.	Single-phase, three speed, 115 volt, ball bearing, non-oscillating (use only on standard non-oscillating fans). Use BA-1A Propeller (2)	2.8	18	\$347
 (3)	21090	642-AC2SDP	Single phase, 2-speed, 115 volt, ball bearing, non-oscillating motor with 2-speed drop cord switch. Use with BA-1A propeller (3)		19	\$364
 (4)	12013	2-SPDCS-HD	Modular end dome with drop cord and 2 speed switch. For 642 Motor Only. (4)		2	\$75
	06004		End dome assembly for 642-AC-3SP (includes capacitor)			\$45
 (5)	21025	1069 B	Three-phase, single-speed 230/460 volt, ball bearing (use only on non-oscillating fans). Use BA-1A Propeller (5)	1.2/6	17	\$671
 (6)	21035	1169 E	Single-phase, single-speed, 115/230 volt, ball bearing for Class.I Group D and Class.II, Groups F & G. (Use only on explosion-proof, non-oscillating fans with BA-1A Propeller). (6)	6.9/3.5	39	\$816
 (7)	21040	1269	Three-phase, single-speed, 230/460 volt, ball bearing (use only on non-oscillating, explosion-proof fans). Use BA-1A Propeller, Class I Group D, Class II, Groups F & G. (7)	1.1/5.5	33	\$995
 (8)	21050	1369	1 HP, three-phase, single-speed 208-230/460 volt, ball bearing, totally enclosed (use only on high-velocity spot coolers). Use HH-1 Propeller (8)	4.0/2.0	36	\$868
Explosion proof and 3 phase air circulator motors are not supplied with switches or power cords.						
GUARDS						
	21070	AC24-G	24" guard (use on all 24" oscillating & non-oscillating fans) Nickel Chrome Plated.		14	\$101
	21080	AC30-G	30" guard (use on all 30" oscillating & non-oscillating fans) Nickel Chrome Plated.		20	\$149
	21082	AC30GS	30" Bolt fastened safety guard (pat. no. 4,861,230) Zinc.		19	\$179
	70761	AC30GSS	30" Stainless steel guard		18	\$429
PROPELLERS						
	21095	24BA-1A	24" Propeller - 5/8" bore. Cast Aluminum.		5	\$149
	21105	30BA-1A	30" Propeller - 5/8" bore. Cast Aluminum.		6	\$158
	21120	24HH-1	24" Propeller, 5/8" bore (use only on 24" high velocity spot coolers.) Galvanized.		7	\$70
	21130	30HH-1	30" Propeller, 5/8" bore (use only on 30" high velocity spot coolers.) Galvanized.		9	\$82
PEDESTAL (Adjustable)						
	21152	8CP-2B	5' to 8' pedestal (for use with A786B base.)		14	\$87
FLOOR BASE						
	21166	A786B-2	For use with 8CP-2 pedestal.		34	\$83
WALL BRACKET (15° Tilt Built In)						
	21187	878W	Use for HD air circulator wall mountings. Includes Safety Cable Kit.		10	\$91
I-BEAM BRACKET						
	21191	700-U	Use for HD air circulator I-Beam mountings. Includes Safety Cable Kit.		15	\$149
CEILING BRACKET						
	21203	CK-2	Use for HD air circulator ceiling mount (non-oscillating only). Extension pipe not included. Includes Safety Cable Kit.		5	\$65
ACCESSORIES						
	21204	Safety Kit	12' of 1/16" diameter cable, two clamp and instructions. This safety cable kit is available for retrofit applications.		3	\$21
	12002	DJ-EC-6	6' extension cord - for use with 642-AC2SDP Drop Cord Motor - Yellow		1	\$19
	12008	DJ-EC-9	9' extension cord - for use with 642-AC2SDP Drop Cord Motor - Yellow		2	\$20
	12009	DJ-EC-12	12' extension cord - for use with 642-AC2SDP Drop Cord Motor - Yellow		2	\$22
	70601	AMFW30K	Snap on wheel kit with set screw lock for use on all floor model air circulators except I-2030 base. No tools required.		5	\$58
	01633		15' Cord Replacement		2	\$22
	01723		2SP/3SP Pull Chain Switch		2	\$13
01518		Capacitor for 21007 AND 21017 motor		2	\$13	

NOTE:

Explosion Proof and 3 Phase air circulator motors are not supplied with switches or power cords. Must be hard wired. See page 33 for further Explosion Proof Motor information.



All Parts Packaged in One UPS Shippable Carton

FEATURES

- 5 Mounting Options
- Guard Meets OSHA Standards
- 115V, 60 Hz, 1 Phase, 2 Speed, 1/15 HP (18" & 20") and 3 Speed, 1/3 HP (24" & 30"), Totally Enclosed Air Over Ball Bearing Motors
- 15 Foot Three Conductor Cord and Plug
- 3 Year Warranty
- UL/ CUL Listed
- All Stocked

NON-OSCILLATING PERFORMANCE 115V

Prop Dia.	CFM			RPM			Motor Number	F. L. Amps
	High	Med	Low	High	Med	Low		
18"	2520	---	1850	1480	---	1020	I-1820TEM (TE)	2.6
20"	2670	---	2035	1615	---	1240	I-1820TEM (TE)	2.6
24"	5220	4020	2820	1080	700	540	I-3A (TEAO)	2.5
30"	7185	5300	3415	1080	700	540	I-3A (TEAO)	2.7

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

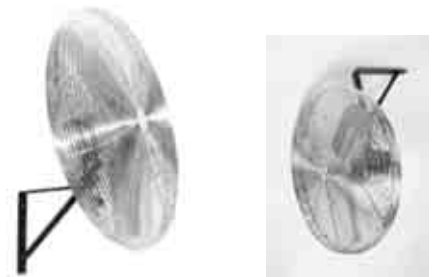
NON-OSCILLATING MODELS - UNIT PACKS

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
24"	Adjustable Floor (S.B.)	71760	ISB-24PA2A (3-SP)	1/3	81	\$499
24"	Wall/Ceiling Model	71725	I-24W2A (3-SP)	1/3	44	\$405
30"	Adjustable Floor (S.B.)	71526	ISB-30PA2A (3-SP)	1/3	90	\$529
30"	Wall/Ceiling Model	71726	I-30W2A (3-SP)	1/3	49	\$439

Unit Pack - Motor, specified Style Mounting, Propeller, Base & Guard shipped in a single carton. S.B. = Solid Base



Adjustable Floor Model



Non-Oscillating Wall Mount / Ceiling Mount

NON-OSCILLATING ASSEMBLED FAN HEADS †

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	PH	Ship Wt.	List Price
18"	Head Assembly	37113	I-18TEHA	1/15	1	24	\$230
20"	Head Assembly	37114	I-20TEHA	1/15	1	27	\$240
24"	Head Assembly	37209	I-24-2	1/3	1	37	\$401
30"	Head Assembly	37212	I-30*	1/3	1	48	\$433

†Motor, Guard, Propeller Pre-Assembled.

*30" Head Assembly oversized. Additional UPS charges apply.

See page 8 for Mounting Options

MOTOR TILT ADJUSTMENTS

TYPE	TILT (IN DEGREES) NON-OSCILLATING	
	UP	DOWN
FLOOR	30°	15°
WALL	30°	50°
I-BEAM	30°	15°
CEILING	0°	90°

0° = Horizontal Plane



INDUSTRIAL AIR CIRCULATORS - 115V OSCILLATING UNIT PACKS AND ASSEMBLED FAN HEADS



All Parts Packaged in One UPS Shippable Carton



Adjustable Floor



Oscillating Wall Mount

A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.

FEATURES

- 2 Mounting Options
- Guard Meets OSHA Standards
- 115V, 60 Hz, 1/3 HP, 1 Phase, 3 Speed, Totally Enclosed Ball Bearing Motors
- 15 Foot Three Conductor Cord and Plug
- 3 Year Warranty
- UL/ CUL Listed
- All Stocked

OSCILLATING PERFORMANCE 115V

Prop Dia.	CFM			RPM			Motor Number	F. L. Amps
	High	Med	Low	High	Med	Low		
24"	5548	4699	4062	1110	958	856	0-3B	2.5
30"	7794	5943	5143	1091	871	759	0-3B	2.5

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

115V MODELS : OSCILLATING - UNIT PACKS

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
24"	Adjustable Floor	71567	I-24-OAP	1/3	86	\$529
	Wall Mount*	71565	I-24-OIW	1/3	57	\$481
30"	Adjustable Floor	71568	I-30-OAP	1/3	95	\$555
	Wall Mount*	71566	I-30-OIW	1/3	61	\$517

Wall Mount is supplied with the required Safety Cable Kit. *Used with EDP# 37772 Mounting Bracket. Unit Pack - Motor, Specified Style Mounting, Propeller & Guard shipped in a single carton.

OSCILLATING ASSEMBLED FAN HEADS †

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
24"	Head Assembly	71610	24-IAC-MGBO	1/3	46	\$432
30"	Head Assembly	38422	30-IAC-MGBO	1/3	56	\$461

†Motor, Guard, and Propeller Pre-Assembled
Note: Oscillating fan heads are NOT to be used in upside down position.

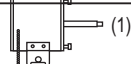



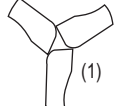


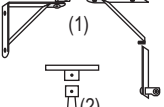



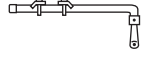


See page 8 for Mounting Components.

MOTOR TILT ADJUSTMENTS

TYPE	TILT(IN DEGREES)	
	OSCILLATING	
	UP	DOWN
FLOOR	20°	20°
WALL	0°	20°

0° = Horizontal Plane



EDP Number	Cat. Number	Description	F.L. Amps	Wt.	List	
MOTORS						
70013	I-1820TEM	Shaded pole, 1/15HP, 3 Speed, TEAO, 115V, ball bearing, 1/2" shaft diameter, 2 spd switch, 10' cord & plug. (1)	2.6	10	\$160	
78019	I-3A	Single-phase, PSC type, 1/3HP, 3-speed, TEAO, 115V, ball bearing, 5/8" shaft dia. 3-speed switch, 15' cord & plug. (2)	3.3	15	\$260	
37430	0-3B	Single-phase, three-speed, 115 volt, 1/3HP, TEAO, ball bearing, 5/8" shaft dia. (3) NOTE: Oscillating Motor NOT to be used in the UPSIDE-DOWN position.	2.5	23	\$280	
GUARDS						
71000 21070 21080	I-1820G AC24G AC30G	18"-20" guard - use on I-1820M motor. 24" guard. 30" guard.		11 14 20	\$82 \$101 \$149	
PROPELLERS - Galvanized						
70740 72100 73300 73400	I-18B I-20B5 I-24B2A2 I-30B2A	18" propeller - use on I-1820M / I-1820TEM motor. (1) 20" propeller - use on I-1820M / I-1820TEM motor. (1) 24" propeller. (1) 30" propeller. (1)		3 3 5 5	\$43 \$51 \$53 \$58	
PEDESTALS						
73101	I-2030AP	5' to 8' adjustable floor model. (2)		12	\$55	
BASES						
21153 21166	I-2030B A-786B-2	Open base. (1) Solid base. (2)		24 34	\$77 \$83	
WALL/CEILING MOUNT BRACKET (Patented)						
75002	C-2030W	For use with commercial air circulators. Not for use with oscillating motors in ceiling mount mode. May be used with EDP# 37420A oscillating motor in wall mount mode if motor tilt isn't more than 35°. Safety Cable Kit included. (1)		5	\$43	
CEILING MOUNT BRACKET						
11456	DJ-CM	Ceiling mount for use with industrial 20", 24" and 30" non-oscillating fans. Includes Safety Cable Kit. (2) NOT FOR USE WITH OSCILLATING MOTORS.		7	\$67	
WALL MOUNT BRACKET						
37772	IAC-WB	Use with industrial oscillating and non-oscillating motors. Includes Safety Cable Kit. (3)		7	\$48	
SUSPENSION MOUNT BRACKET						
75003	C-2030S	Use with industrial & commercial & non-oscillating air circulators. Includes Safety Cable Kit.		3	\$33	
I-BEAM MOUNT BRACKET						
37784	IAC-BM-1	For use with I-Beam mounting. Includes Safety Cable Kit. NOT FOR USE WITH OSCILLATING MOTORS		13	\$103	
SAFETY CABLE						
21204	Safety Kit	12' of 1/16" diameter cable, two (2) cable clamps and instructions		3	\$21	
ACCESSORIES						
70601	AMFW30K	Snap-on wheel kit with set screw lock for all 18" to 30" Airmaster Pedestal Fans, except I-2030B.		5	\$58	
01723		2 SP/3 SP Pull Chain Switch		2	\$13	
01683		Capacitor for 78019 motors.		1	\$6	
01600		Capacitor for 37430 motors.		1	\$6	



INDUSTRIAL AIR CIRCULATORS — 115V

INDUSTRIAL PIVOT STANDS & WORK STATIONS



FEATURES

- Available in 12", 18", and 20" Propeller Sizes
- Four Position Easy Reach Switch with 10' Three Conductor Cord and Plug
- Adjusts 360°
- Guards Meet OSHA Regulations
- Work Station Yoke Mount Attaches to any Surface with 1 Bolt or Lag Screw
- 115V, 1 Phase, 3 Speed, Open Drip Proof, Ball Bearing Motor
- Aluminum Propellers
- 1 Year Warranty
- UL/ CUL Listed
- All Stocked

PERFORMANCE 115V

Prop Dia.	CFM			RPM			F. L. Amps
	High	Med	Low	High	Med	Low	
12"	1448	1165	953	1500	1350	1180	0.5
18"	2966	2437	2013	1600	1350	1180	1.65
20"	3390	2755	2295	1600	1350	1180	1.9

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

115V MODELS

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
12"	Low Stand Pivot Fan	78973	I-12LS	1/16	11	\$104
	Work Station Yoke Mount	78971	I-12YM	1/16	11	\$106
18"	Low Stand Pivot Fan	78974	I-18LS	1/8	21	\$143
	High Stand Pivot Fan*	78969	I-18HS	1/8	21	\$186
	Work Station Yoke Mount	78972	I-18YM	1/8	21	\$146
20"	Low Stand Pivot Fan	78975	I-20LS	1/5	26	\$151
	Work Station Yoke Mount	78970	I-20YM	1/5	26	\$154

*4" Diameter Wheels



TOTALLY ENCLOSED MOTOR HIGH VELOCITY LOW STAND FAN

NEW



FEATURES

- 18" Propeller Size
- Four Position Easy Reach Switch with 10' Three Conductor Cord and Plug
- Adjusts 360°
- Guards Meet OSHA Regulations
- 115V, 1 Phase, 3 Speed, Totally Enclosed, Ball Bearing Motor
- Chrome Yoke Mount Included
- Nickel Chrome Propellers
- 1 Year Warranty
- UL Listed

PERFORMANCE 115V

Prop Dia.	CFM			RPM			F. L. Amps
	High	Med	Low	High	Med	Low	
18"	4550	3824	3346	1600	1350	1180	1.65

115V MODELS

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
18"	Low Stand Pivot Fan / Yoke Mount	78984	I-18TELS	1/8	22	\$161

High Velocity Low Stand Pivot Fan and Yoke Mount, Totally Enclosed Motor

Both Mounts in Same Box



18" HIGH VELOCITY PEDESTAL AIR CIRCULATOR

FEATURES

- 18" Diameter Propeller Size
- 120V, 60 Hz, 3 Speed Motor
- 1.22 Amp Draw, 150 Watts
- Rotary Button Control
- Adjustable Height from 39" to 44"
- Tiltable
- Aluminum 3 Bladed Propeller
- Steel Nickel Chrome Guards
- 6 Foot Cord
- UL Listed
- Easy to Carry, Easy to Operate

PERFORMANCE 120V, 60 Hz

Prop Dia.	Fan Style	EDP Number	CFM	Catalog Number	Watt Draw	Amp Draw	Ship Wt.	List Price
18"	High Volume Pedestal Osc.	78924	3215	18HVYPF	150	1.22	28	\$199

NEW



16" DESK FAN

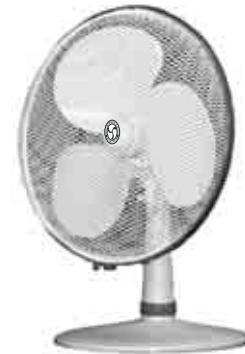
FEATURES

- 16" Diameter Propeller, 24" Total Height
- 120V, 60 Hz Motor
- 0.42 Amp Draw, 50 Watt Draw
- 90° Oscillation
- Adjustable Tilt 45°, Spring Loaded
- 1/4" X 1/2" Steel Diamond Mesh Painted Guard
- Easy to Carry and Operate
- UL Listed
- Weight: 7 lbs.
- 1 Year Warranty
- Ideal for Office, Spot Cooling

PERFORMANCE 120V, 60 Hz

Prop Dia.	Fan Style	EDP Number	Catalog Number	CFM	Watt Draw	Amp Draw	Ship Wt.	List Price
16"	Desk / Office Fan	78923	16DF	1932	50	0.42	7	\$52

NEW



PORTABLE UTILITY BLOWER and HEATER OPTION

BLOWER FEATURES:

- Ready to Use
- 120V - 60 Hz, 1.77 Amps, 3 Speed Motor
- Up to 300 CFM Airflow
- Three Speed Selector Switch
- 8-1/2' Power Cord with Grounded Plug
- Impact Resistant Shell
- Compact Portable Design
- Rubber Contact Pads to Protect Surfaces
- Extra Long Life Ball Bearing Motor
- Two 120 Volt Receptacles, 10 Amp., with Protective Covers
- Instant Adjustable Air Direction
- Resettable Circuit Breaker Protection
- Carrying Handle

Size	EDP Number	Catalog Number	Max. Amps.	Ship Wt.	List Price
12-1/2" X 9" X 13"	78967	UB180	12	10	\$98

OPTIONAL HEATER ATTACHMENT FEATURES:

- 120V - 60 Hz, 10 Amps, 1320 Watts
- 4500 BTU Heating Capacity
- Lighted On/Off Rocker Switch
- Thermal Protection
- Clips Securely Onto Front of Blower
- Plugs Into Outlet on Side of Blower
- Converts Blower into Lightweight Portable Heater

Size	EDP Number	Catalog Number	Ship Wt.	List Price
8-3/4" X 4-7/8" X 3-1/8"	78966	HFUB11	3	\$42



COMMERCIAL AIR CIRCULATORS - 115V



Affordable Quality



Adjustable Floor Model



Non-Oscillating Ceiling Mount



Non-Oscillating Wall Mount



Wall Mount

FEATURES

- Packaged in One UPS Shippable Carton
- Adjustable Pedestal (5' - 8')
- Wall/Ceiling Mounts with Safety Cable Included
- All Stocked
- 115V, 1/4 HP (Non-Oscillating) and 1/3 HP (Oscillating), 1 Phase, 3 Speed, Totally Enclosed Air Over Ball Bearing Motor
- 1 Year Warranty
- Cord and Three Prong Plug Included
- UL and CUL Listed

PERFORMANCE 115V

Prop Dia.	CFM			RPM			F. L. Amps
	High	Med	Low	High	Med	Low	
18"	2520	---	1850	1480	---	1020	2.6
20"	2670	---	2035	1615	---	1240	2.6
24"	4400	3460	2460	1100	800	600	3.3
30"	6100	4400	2700	1100	800	600	3.3

NON-OSCILLATING MODELS - UNIT PACK - 1/4 HP

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
24"	Adjustable Floor (S.B.)	71570	CA24AP	1/4	82	\$397
	Wall/Ceiling Mount	71572	CA24WC	1/4	42	\$310
30"	Adjustable Floor (S.B.)	71571	CA30AP	1/4	90	\$408
	Wall/Ceiling Mount	71573	CA30WC	1/4	49	\$321

Unit Pack - Motor specified Style Mounting, Propeller, Base & Guard shipped in a single carton.

MOTOR TILT ADJUSTMENTS

TYPE	TILT (IN DEGREES)	
	NON-OSCILLATING	
	UP	DOWN
FLOOR	30°	15°
WALL	30°	50°
I-BEAM	30°	15°
CEILING	0°	90°

OSCILLATING MODELS - UNIT PACKS - 1/3 HP

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
24"	Adjustable Floor (S.B.)	71580	CA24OAP	1/3	78	\$436
	Wall Mount	71583	CA24OW	1/3	46	\$322
30"	Adjustable Floor (S.B.)	71581	CA30OAP	1/3	95	\$456
	Wall Mount	71582	CA30OW	1/3	57	\$343

Unit Pack = Motor, Specified Style Mounting, Propeller, Base & Guard shipped in a single carton

MOTOR TILT ADJUSTMENTS

TYPE	TILT (IN DEGREES)	
	OSCILLATING	
	UP	DOWN
FLOOR	20°	20°
WALL	0°	20°

0° = Horizontal Plane

ASSEMBLED FAN HEADS (Non-Oscillating)

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
18"	Head Assembly	37104	C-18	1/15*	24	\$334
20"	Head Assembly	37207	C-20-5	1/15*	25	\$391
24"	Head Assembly	71590	CA24	1/4	39	\$290
30"	Head Assembly	71591	CA30**	1/4	48	\$300

Motor, Guard and Propeller Pre-assembled.

* 1/15HP motors on 18" and 20" are Open Drip Proof.

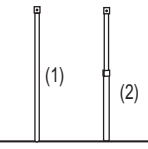
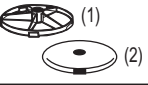
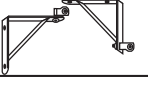
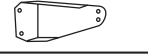
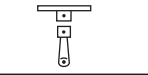
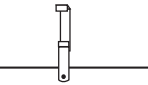
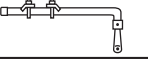


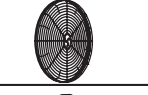
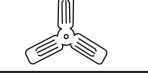
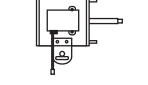
**CA30 Assembled Fan Head not UPS shippable.

A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.

See page 12 for Mounting Options for Assembled Fan Heads.

**FOR FLOOR / COUNTER MODEL FANS -
SELECT ASSEMBLED HEAD (page 11), PEDESTAL, 73000, AND BASE, 77000 (page 12)**



EDP Number	Catalog Number		Ship Wt.	List Price	
PEDESTALS					
73000 73101	C-2030NP I-2030AP	5' high floor model. Top section provides 33½" counter model. Use only with C-2030B Base. (1) 5' to 8' adjustable floor model. (2)	6 12	\$45 \$55	
BASES					
77000 21153 21166	C-2030B I-2030B A-786B-2	Use with C-2030NP. (1) Open base for counter model. Open base. (1) Solid base. (2)	17 24 34	\$86 \$77 \$83	
WALL/CEILING MOUNT BRACKET (Patent #5033711)					
75002	C-2030W	Use with commercial air circulators. Not for use with oscillating motors in ceiling mount. Includes Safety Cable Kit.	5	\$43	
WALL MOUNT BRACKET					
37772	IAC-WB	Recommended for use with oscillating and non-oscillating motors. Includes Safety Cable Kit.	7	\$48	
CEILING MOUNT BRACKET					
11456	DJ-CM	Ceiling Mount Bracket for use with 20", 24" and 30" non-oscillating fans. Includes Safety Cable Kit. NOT FOR USE WITH OSCILLATING MOTORS	7	\$67	
SUSPENSION MOUNT BRACKET					
75003	C-2030S	Use with commercial & industrial non-oscillating air circulators. Includes Safety Cable Kit.	3	\$33	
I-BEAM MOUNT BRACKET					
37784	IAC-BM-1	For use with I-Beam mounting. Includes Safety Cable Kit. NOT FOR USE WITH OSCILLATING MOTORS	13	\$103	
SAFETY CABLE					
21204	Safety Kit	12' of 1/16" diameter cable, two (2) cable clamps and instructions	3	\$21	
ACCESSORIES					
70601 01723	AMFW30K	Snap-on wheel kit with set screw lock for all 18" to 30" Airmaster Pedestal Fans, except I-2030B. 2 SP/3 SP Pull Chain Switch	5 2	\$58 \$13	
GUARDS					
21070 21080	AC24G AC30G	24" Guard. 30" Guard.	14 20	\$101 \$149	
PROPELLERS					
72458 73058	C-24B2 C-30B	24" Propeller with 5/8" bore, includes bushing to adapt propeller to fit motors with 1/2" shaft. 30" Propeller with 5/8" bore, includes bushing to adapt propeller to fit motors with 1/2" shaft.	5 5	\$53 \$58	
MOTORS					
78018	C-1A	Commercial Non-Oscillating motor, ¼ HP, 2.5 Amp, 1 Phase, 3 Speed, TEAO, ball bearing, 5/8" dia. shaft, 15' Power Cord.	23	\$209	
37430	0-3B	Commercial Oscillating motor, 1/3 HP, 1 Phase, 3 Speed, 115V, TEAO, ball bearing, 5/8" dia. shaft. NOTE: Oscillating motor not to be used in UPSIDE-DOWN position.	23	\$280	
70000	I-1820M	Shaded pole, 1/15HP, 2 Speed, ODP, 115V, ball bearing, 1/2" shaft diameter, 2-Sp. switch, 10' cord & plug.	10	\$210	
CAPACITORS					
01683 01600		Capacitor for 78018 Motor Capacitor for 37430 Motor	1 1	\$6 \$6	



HEAVY DUTY SAFETY YELLOW AIR CIRCULATORS



115V

High Visibility, Low Maintenance

PERFORMANCE 115V

PULL CHAIN SWITCH DROP CORD SWITCH

Prop Dia.	CFM		RPM		Motor No.	Motor No.
	High	Low	High	Low		
20"	3637	3317	1150	1050	DJ-110V-HEM	DJ-110V-HEM-DCS-2
24"	5280	3980	1120	840	DJ-110V-HEM	DJ-110V-HEM-DCS-2
30"	6915	5000	1115	780	DJ-110V-HEM	DJ-110V-HEM-DCS-2

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

FEATURES

- Safety Yellow Color
- 6 Mounting Options
- Hinged Guard for Easy Cleaning
- Meets OSHA Safety Standards
- 5 Year Warranty
- 115V 1/3 HP, 1 Phase, Totally Enclosed, 2 Speed, Ball Bearing Motor
- Patented Modular Motor End Dome
- Designed for Automotive, Food Processing and General Factory Operations
- Non-Oscillating



Pedestal Mount

Patented Modular Motor End Dome for easy maintenance

SAFETY HEAD ASSEMBLIES

EDP Number	Catalog Number	List Price
12553	DJ24 HEAD ASS'Y	\$526
12554	DJ30 HEAD ASS'Y	\$540



A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.

115V MODELS

2-SPEED PULL CHAIN SWITCH

2-SPEED DROP CORD SWITCH

Prop Dia.	Fan Style	EDP Number	Catalog No.	Ship Wt.	List Price
20"	All 24" Kitted components consist of: 11031 (DJ-110V-HEM Motor); 12212 (DJ-20HGB Guard with Prop) plus mounting listed below.				
	Pedestal Mount 11710 (DJ-PB/1 Base) 11750 (DJ-PC Pedestal)	12200K	DJ-PF20-2SPH	78	\$662
	Adapter Kit Model 11454 (DJ-AK Adapter Kit with Safety Cable)	12202K	DJ-AKF20-2SPH	46	\$507
	Wall Mount 37772 (IAC-WM Wall Mount with Safety Cable)	12204K	DJ-WMF20-2SPH	51	\$561
	Ceiling / Bench Mount 11456 (DJ-CM Ceil./Bench Mount with Safety Cable)	12206K	DJ-CMF20-2SPH	51	\$542
	Channel Mount 11453 DJ-CCM (Channel Beam Mt. with Safety Cable)	12208K	DJ-CCM20-2SPH	58	\$587
	Beam Mount 37784 (IAC-BM-1 Beam Mount with Safety Cable)	12210K	DJ-BMF20-2SPH	58	\$569
24"	All 24" Kitted components consist of: 11031 (DJ-110V-HEM Motor); 11080 (DJ-24HGB Guard with Prop) plus mounting listed below.				
	Pedestal Mount 11710 (DJ-PB/1 Base) 11750 (DJ-PC Pedestal)	10501K	DJ-PF24-2SPH	82	\$676
	Adapter Kit Model 11454 (DJ-AK Adapter Kit with Safety Cable)	10101K	DJ-AKF24-2SPH	50	\$523
	Wall Mount 37772 (IAC-WM Wall Mount with Safety Cable)	10401K	DJ-WMF24-2SPH	55	\$575
	Ceiling / Bench Mount 11456 (DJ-CM Ceil./Bench Mount with Safety Cable)	10301K	DJ-CMF24-2SPH	55	\$557
	Channel Mount 11453 DJ-CCM (Channel Beam Mt. with Safety Cable)	10203K	DJ-CCM24-2SPH	62	\$603
	Beam Mount 37784 (IAC-BM-1 Beam Mount with Safety Cable)	10204K	DJ-BMF24-2SPH	62	\$584
30"	All 30" Kitted components consist of: 11031 (DJ-110V-HEM Motor); 11070 (DJ-30 HGB Guard with Prop) plus mounting listed below.				
	Pedestal Mount 11710 (DJ-PB/1 Base) 11750 (DJ-PC Pedestal)	10551K	DJ-PF30-2SPH	89	\$690
	Adapter Kit Model 11454 (DJ-AK Adapter Kit with Safety Cable)	10151K	DJ-AKF30-2SPH	54	\$537
	Wall Mount 37772 (IAC-WM Wall Mount with Safety Cable)	10451K	DJ-WMF30-2SPH	59	\$589
	Ceiling / Bench Mount 11456 (DJ-CM Ceil./Bench Mount with Safety Cable)	10351K	DJ-CMF30-2SPH	59	\$558
	Channel Mount 11453 DJ-CCM (Channel Beam Mt. with Safety Cable)	10253K	DJ-CCM30-2SPH	66	\$616
	Beam Mount 37784 (IAC-BM-1 Beam Mount with Safety Cable)	10254K	DJ-BMF30-2SPH	66	\$599

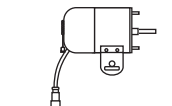
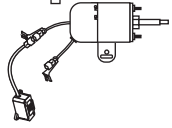

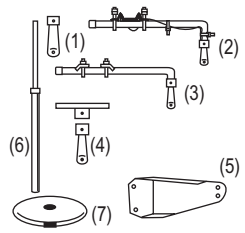

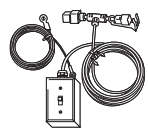
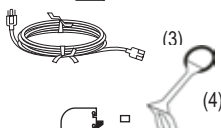
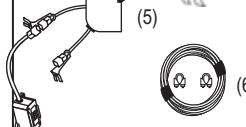




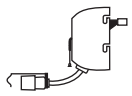
EDP Number	Catalog No.	Ship Wt.	List Price
All 20" Kitted components consist of: 12005 (DJ-110V-HEM DCS-2 Motor); 12212 (DJ-20HGB Guard with Prop) plus mounting listed under 2-Speed Pull Chain Models			
12201K	DJ-PF20-2SPH-DC	81	\$707
12203K	DJ-AKF20-2SPH-DC	49	\$554
12205K	DJ-WMF20-2SPH-DC	54	\$606
12207K	DJ-CMF20-2SPH-DC	54	\$586
12209K	DJ-CCM20-2SPH-DC	61	\$633
12211K	DJ-BMF20-2SPH-DC	61	\$614
All 24" Kitted components consist of: 12005 (DJ-110V-HEM DCS-2 Motor); 11080 (DJ-24HGB Guard with Prop) plus mounting listed under 2-Speed Pull Chain Models			
10731K	DJ-PF24-2SPH-DC	85	\$721
10733K	DJ-AKF24-2SPH-DC	53	\$567
10740K	DJ-WMF24-2SPH-DC	58	\$621
10738K	DJ-CMF24-2SPH-DC	58	\$602
10735K	DJ-CCM24-2SPH-DC	65	\$648
10750K	DJ-BMF24-2SPH-DC	65	\$631
All 30" Kitted components consist of: 12005 (DJ-110V-HEM DCS-2 Motor); 11070 (DJ-30HGB Guard with Prop) plus mounting listed under 2-Speed Pull Chain Models			
10732K	DJ-PF30-2SPH-DC	92	\$736
10734K	DJ-AKF30-2SPH-DC	57	\$582
10741K	DJ-WMF30-2SPH-DC	62	\$635
10739K	DJ-CMF30-2SPH-DC	62	\$614
10736K	DJ-CCM30-2SPH-DC	69	\$662
10737K	DJ-BMF30-2SPH-DC	68	\$643

NOTES:

"K" suffix indicates unit shipped as individual component parts, may be shipped UPS or Truck. Cord and Plug supplied with 1 Phase Models.

See page 14 for Component Parts & Accessories.



EDP Number	Catalog Number	Description	Ship Wt.	List Price	
MOTOR COMPONENTS					
11031	DJ-110V-HEM	High efficiency, 115V, 2.7A, 2 speed, 1/2" shaft dia., TE ball bearing motor with modular end dome and recessed pull chain switch. Used with 20, 24 or 30 inch fans. (1)	18	\$312	 (1)
12005	DJ-110V-HEM-DCS2	Above 115V, 2.7 Amp, TE motor with 2 speed drop cord switch. (2)	19	\$370	 (2)
GUARD & PROPELLER COMPONENTS					
12212	DJ-20HGB	20" Hinged Guard (yellow PVC coated) and Propeller.	20	\$198	
11080	DJ-24HGB	24" Hinged Guard (yellow PVC coated) and Propeller.	30	\$213	
11070	DJ-30HGB	30" Hinged Guard (yellow PVC coated) and Propeller.	32	\$228	
MOUNTING COMPONENTS					
11454	DJ-AK	Adapter Kit - Used with 20, 24 or 30 inch fans. (1)	3	\$35	
11453	DJ-CCM	Channel Mount - Used with 20, 24 or 30 inch fans. (2)	14	\$113	
37784	IAC-BM-1	Beam Mount - Used with 20, 24 or 30 inch fans. (3)	13	\$103	
11456	DJ-CM	Ceiling/Bench Mount - Used with 20, 24 or 30 inch fans. (4)	7	\$67	
37772	IAC-WB	Wall Mount - Used with 20, 24 or 30 inch fans. (5)	7	\$48	
11750	DJ-PC	Yellow Pedestal Column - Used with 20, 24 or 30 inch fans. (6)	10	\$75	
11710	DJ-PB	Yellow Pedestal Base - Used with 20, 24 or 30 inch fans. (7)	22	\$114	
SAFETY FAN ACCESSORIES					
12001	DJ-DCS-2	Drop cord with 2 speed switch. (1)	2	\$33	 (1)
12191	DJ-DCS	15' drop cord with 1 speed switch (Patent #4,672,234). (2)	2	\$111	 (2)
12002	DJ-EC-6	6' extension cord - for use with 2 speed drop cord switch. (3)	1	\$19	
12008	DJ-EC-9	9' extension cord - for use with 2 speed drop cord switch. (3)	2	\$20	
12009	DJ-EC-12	12' extension cord - for use with 2 speed drop cord switch. (3)	2	\$22	
12000	DJ-MMS-DCS-2	Modular end dome with drop cord and 2 speed switch. (5)	2	\$75	
03033		Cord Lock Assembly (4)	1	\$4	
21204	SK	Safety cable kit - 12' of 1/16" cable and 2 clamps. (6)	3	\$21	
SAFETY FAN REPLACEMENT PARTS					
12219	DJ-HSP20	Guard safety pins. (set of 3) (1) For 20" fan.	1	\$8	 (1)
11010	DJ-HSP	Guard safety pins. (set of 4) (1) For 24" & 30" fans.	1	\$12	 (2)
01750		Guard safety pins. (1 pin only) (1) For 24" & 30" fans.	1	\$8	
01723	DJ-SW-2S-PC	Switch - pull chain. (2)	2	\$13	 (3)
01518	DJ-CAP-HE	Capacitor - 7.5 MF. (3)	1	\$13	 (4)
12192	DJ-CRP	Cord and plug. (4)	2	\$26	
12251	DJMMS-HE	Modular Motor Shell (complete with switch, 7.5 MF capacitor & male connector.) (5)	1	\$62	 (5)

NOTE:
Adapter Kit is used to adapt fan head to 1 1/2" (1 1/2 threads/inch) pipe mounts.



STAINLESS STEEL FOOD SERVICE WASHDOWN®



115/230V AIR CIRCULATOR

BISSC Certified



FEATURES

- Constructed with Electro-polished 304 Stainless Steel Approved by the USDA and the NSF for "Food Zones".
- Motor Washdown Specification is IEC-IP55
- Non-Oscillating, 115/230V, 1/4 HP, 1 Phase, TEAO, Ball Bearing, BISSC Certified Motor
- 115V Motor with Switch and Cord Available (See Component Parts - Page 16)

- 10 Year Warranty
- Designed to Withstand Moist/Wet Environments, High Pressure Cleaning with Concentrated Caustic Solutions without Affecting Performance or Function.
- Available in Non-Adjustable Pedestal or Wall Mount
- UL/ CUL Listed

PERFORMANCE 115V & 115/230V

Prop Dia.	CFMRPM	Motor Number
30"	8800 1075	WASHGUARD™ II

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

115/230V MODELS*

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	PH	Ship Wt.	List Price
All 30" Kitted Components consist of: 70204 (Washguard II Motor); 70761 (AC30GSS Guard Assembly); 72401 (WGB30 Prop); plus mounting listed below.							
30"	Floor Model 73001 (PEDSS Pedestal) 77001 (BOS Base)	70764K	PWIISS	1/4	1	81	\$2140
30"	Wall Model 37773 (IAC-WBS Wall Brkt. with Safety Cable)	70767K	WWIISS	1/4	1	64	\$1886

Note: When assembling fans use only the stainless steel fasteners supplied with the motors. Fans and motors should be cleaned and inspected regularly. Capacitor covers may eventually require replacement; covers are available from your Airmaster® distributor. Order part 82105.

CHEMICAL RESISTANCE RATING CHART

CHEMICAL	CONCENTRATION	STAINLESS STEEL PARTS	ENDBELLS, CONDUIT BOX & CAPACITOR COVER
WATER:			
De-ionized Boiling	100%	Excellent	Excellent
Salt (Immersed)	30%	Excellent	Excellent
Salt (Spray)	5%	Excellent	Excellent
Tap - 250°F/120" @ 10,000 PSI	100%	Excellent	Excellent
ACIDS:			
Hydrochloric	35%	Poor	Very Good
Sulfuric	25%	Poor	Excellent
Nitric	35%	Excellent	Good
Picric	Saturated Solution	Excellent	Very Good
BASE:			
Caustic	100%	Excellent	Excellent
Caustic	12pH	Excellent	Excellent
Caustic - 125°F/50°C	9.5pH	Excellent	Excellent
SOLVENTS:			
	-	Excellent	Excellent

GENERAL DUTY WASHDOWN®

115/230V AIR CIRCULATOR



FEATURES

- Constructed with Electro-polished 304 Stainless Steel or FDA Approved White Epoxy Coating
- Non-Oscillating 115/230V, 1/4 HP, 1 Phase, TEAO, Epoxy Coated, Ball Bearing Motor Restricts Entrance of Moisture and Releases any Condensation from Within
- Motor Meets IEEE 45 and CCM-1807 Specifications

- Motor Washdown Specification is IEC-IP55
- 2 Year Warranty
- Designed to Withstand Moist/Wet Environments Without Affecting Performance or Functionality.
- Available in Non-Adjustable Pedestal or Wall Mount

PERFORMANCE 115V & 115/230V, 1 PHASE

Prop Dia.	CFMRPM	Motor Number	F.L. Amps
30"	8800 1075	WASHGUARD™ I	3.8/1.6

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

STAINLESS STEEL 115/230V, 1 PHASE MODELSEPOXY COATED 115/230V, 1 PHASE MODELS

Prop Dia.	Fan Style	EDP Number	Catalog Number	Ship Wt.	List Price
All 30" Kitted Components consist of: 70202 (Washguard I Motor); 70761 (AC30GSS Guard Assembly); 72401 (WGB30 Prop); plus mounting listed below.					
30"	Floor Model 73001 (PEDSS Pedestal) 77001 (BOS Base)	70770K	PED WACISS	75	\$1715
30"	Wall Model 37773 (IAC-WBS Wall Brkt. with Safety Cable)	70772K	WACISSW	58	\$1457

Prop Dia.	Fan Style	EDP Number	Catalog Number	Ship Wt.	List Price
All 30" Kitted Components consist of: 70202 (Washguard I Motor); 70763 (AC30GW Guard Assembly); 72403 (WGBW30 Prop); plus mounting listed below.					
30"	Floor Model 75014 (C-2039NP Pedestal) 75011 (C-2030BW Base)	70771K	PED WACIW	81	\$1206
30"	Wall Model 75010 (IAC0WBW Wall Brkt. with Safety Cable)	70773K	WACISWW	64	\$1081

NOTES:

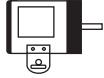
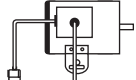


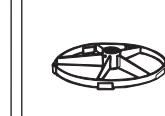
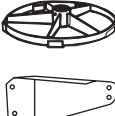
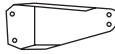
TEAO = Totally Enclosed Air Over

"K" suffix indicates unit shipped as individual component parts, may be shipped UPS or Truck.

* **CORD AND PLUG NOT PROVIDED WITH 115/230V MODELS. MUST BE HARD WIRED. WIRING MUST CONFORM TO ALL NATIONAL, STATE AND LOCAL CODES. FOR MOTOR WITH CORD, PLUG AND SWITCH, USE THE 115V MOTOR ON PAGE 16. See page 16 for Component Parts.**

A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.



EDP Number	Cat. Number	Description	FL. Amps	Ship Wt.	List	
115/230V MOTOR (HARD WIRED)						
70202	WASHGUARD™II	¼ HP, 115/230V, 1 Phase, ball bearing, ½" shaft (White Epoxy Coated)	3.2/1.6	26	\$802	
70204	WASHGUARD™II	¼ HP, 115/230V, 1 Phase, ball bearing, ½" shaft (Stainless Steel) *BISCC Certified	3.8/1.9	32	\$1258	
115V MOTOR WITH SWITCH AND CORD						
70208	WASHGUARD™II	¼ HP, 115V, 1 Phase, ball bearing, ½" shaft (White Epoxy Coated)	3.2	29	\$1029	
70209	WASHGUARD™II	¼ HP, 115V, 1 Phase, ball bearing, ½" shaft (Stainless Steel) *BISCC Certified	3.8	35	\$1486	
GUARDS						
70761	AC30GSS	30" Stainless Steel Guard		20	\$429	
70763	AC30GW	30" White Epoxy Coated Guard		21	\$138	
PROPELLERS						
72401	WGBS	30" Stainless Steel Propeller		6	\$149	
72403	WGBW	30" Galvanized White Epoxy Coated Propeller		5	\$96	
PEDESTAL						
73001	PEDSS	Stainless Steel Stationary Pedestal, 5' Height/ Bottom 33½" Counter Model		7	\$149	
75014	C-2030NPW	Epoxy White Stationary Pedestal, 5' Height/ Bottom 33½" Counter Model		7	\$60	
BASE						
77001	BOS	Open Base - Stainless Steel		16	\$253	
75011	C-2030BW	Open Base - Epoxy White Coated		17	\$124	
WALL MOUNT BRACKET						
37773	IAC-WBS	Stainless Steel Wall Mount Bracket - (Complete with Safety Cable)		6	\$152	
75010	IAC-WBW	Epoxy White Coated Wall Mount Bracket - (Complete with Safety Cable)		7	\$56	

WASHDOWN® APPLICATIONS

FOOD SERVICE	DAIRY BARNS
HOSPITALS	POULTRY HOUSES
FOOD PROCESSING	FISHERIES



APPLICATIONS FOR MOIST AND WET ENVIRONMENTS



FEATURES:

- 115V, 1 Phase, TEAO, Epoxy Coated, Ball Bearing WASHGUARD™ Motor Restricts Entrance of Moisture and Releases Any Condensation from Within.
- Motor Meets IEEE 45 and CCM-1807 Specifications
- Motor Washdown Specification is IEC-IP55
- Tiltable
- Toggle Switch on 36"; Push Button Switch on 20", 24" and 30"
- Designed to Withstand Moist/Wet Environments Without Affecting Performance or Functionality.
- Two Year Warranty

PERFORMANCE 115V MODELS

Prop Dia.	CFM	RPM	Motor Number
20"	3225	1140	WASHGUARD™ I
24"	3990	1140	WASHGUARD™ I
30"	4875	1140	WASHGUARD™ I
36"	9800	850	WASHGUARD™ I

115V MODELS

PROP DIA.	EDP NUMBER	CATALOG NUMBER	HP	VOLT	PHASE	F.L. AMPS	WT.	PRICE
20"	60475	20WDDF	1/4	115	1	2.9	47	\$1092
24"	60474	24WDDF	1/4	115	1	3.0	58	\$1270
30"	60473	30WDDF	1/4	115	1	3.2	60	\$1412
36"	60472	36WDDF	1/2	115	1	5.3	65	\$1538

MARKETS:

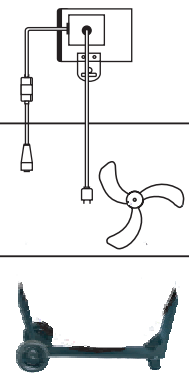
- CLEAN AIR ENVIRONMENT -
- MOIST ENVIRONMENTS -
- SWIMMING POOLS -
- CAR WASHES -
- HOSPITALS -
- MEDICAL LABS -
- PHARMACEUTICAL HOUSES -
- PRODUCE MARKETS

NOTES:
TEAO = Totally Enclosed Air Over.

EPOXY COATED WASHDOWN BARREL FAN®

REPLACEMENT PARTS

EDP Number	Description	F.L. Amps	Ship Wt.	List
115 MOTOR ASSEMBLY WITH SWITCH AND CORD				
70220	1/4 HP, 115V, 1 Phase 1/2" shaft, ball bearing, WASHGUARD™ motor. For 20", 24" and 30" Models	3.2	29	\$953
70221	1/2 HP, 115V, 1 Phase 1/2" shaft, ball bearing, WASHGUARD™ motor. For 36" Model.	3.8	35	\$1029
PROPELLER ASSEMBLY				
04310	20" Propeller Assembly - 5/8" Bore. Cast Aluminum		4	\$146
21095	24" Propeller Assembly - 5/8" Bore. Cast Aluminum		5	\$149
21105	30" Propeller Assembly - 5/8" Bore. Cast Aluminum		6	\$158
21115	36" Propeller Assembly - 5/8" Bore. Cast Aluminum		10	\$195
CRADLE KITS				
08380	20" Cradle Kit		16	\$108
08381	24" Cradle Kit		18	\$119
08382	30" Cradle Kit		20	\$133
08383	36" Cradle Kit		22	\$151



MISTING BARRELS & PEDESTAL FANS - 115V

Can Lower Ambient Air Temperature to the Dew Point
Commercial, Industrial, Agricultural & Residential Applications
FEATURES

- 1 Year Warranty
- Patented 3 Nozzle Misting Head
- Variable Water Output - up to 6 Gallons/Hour
- Air Pattern of 60' Long x 20' Wide
- Non-Oscillating Indoor/Outdoor 115V, 1/3 HP, 1 Phase, 2 Speed, Ball Bearing Motor with Waterproof 2 Speed Switch
- Dual Point Filtering System - Stainless Steel In-Line Filter & a Filter for Large Objects at the Hose Connection
- Mounting Yoke on Barrel Fan Allows for 360° Tilt
- Metal Parts Epoxy Powder Coated
- UL / CUL Listed

PERFORMANCE 115V

Prop Dia.	Fan Style	CFM	RPM
30"	Pedestal Barrel	8800/6000	1140/950
30"	Pedestal Fan	6800/4100	1100/950

Performance Ratings are conducted in accordance with AMCA Standard 230-99.

115V MODELS : 2 SPEED MOTOR

Prop Dia.	Fan Style	EDP Number	Catalog Number	Ship Wt.	
30"	Pedestal Barrel	60031	AMF30B	85	\$856
30"	Pedestal Fan	60034	AMF30-1	62	\$729



Pedestal Barrel - Blue



Pedestal Fan - White


FEATURES

- 1 Year Warranty
- 5 Nozzle Misting Head
- Water Output - up to 6 Gallons/Hour
- 10 Foot Cord with CFCI Plug
- Indoor/Outdoor 115V, 1/4 HP, 1 Phase 2 Speed, Waterproof Motor with Waterproof 2 Speed Push Button Switch
- 14 Foot Water Hose Connection
- 20 Gauge Roll Formed Housing
- UL and OSHA Compliant Guards
- Epoxy Powder Coated Housing and Guards

Prop Dia.	Fan Style	CFM High Speed	RPM High Speed	Watts
20"	Barrel Fan	5950	1050	200
24"	Barrel Fan	7700	1050	245
30"	Barrel Fan	8750	1050	302

115V MODELS : 2 SPEED MOTOR

Prop Dia.	Fan Style	EDP Number	Catalog Number	Ship Wt.	List Price
20"	Barrel Fan	78925	20MBF	39	\$338
24"	Barrel Fan	78926	24MBF	46	\$399
30"	Barrel Fan	78927	30MBF	56	\$499

NEW


Barrel Fan - Green



PORTABLE MANCOOLERS® - 115V DIRECT DRIVE



Affordable Versatility

4 - IN - 1 FAN ®

FEATURES

- Versatile
- One Fan - Four Mounting Options
- All Mountings In One Box
- Easy To Assemble
- UPS Shippable
- Guards, Barrel, Mountings Epoxy Coated
- 115V, 1 Phase, 3 Speed (30") & 2 Speed (36"), Ball Bearing, Totally Enclosed Air Over Motors
- 1 Year Warranty
- UL / CUL Listed
- Tiltable
- Pull Chain Switch



Ceiling Mount



Hanging Mount



Portable Barrel



Wall Mount



PERFORMANCE 115V

Prop Dia.	Fan Style	CFM	RPM	AMP DRAW
30"	4 - IN - 1 All Mounts	5670/4590/3410	1110/810/600	2.9 / 2.1 / 1.93
36"	4 - IN - 1 All Mounts	11200/8090	830/600	4.6 / 3.5

115V MODELS

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
30"	4 - IN - 1 All Mounts	60470	DD3041	1/4	110	\$470
36"	4 - IN - 1 All Mounts	60471	DD3641*	1/2	130	\$578

* 36" 4-IN-1 Mancooler® is oversized. Additional UPS charges apply.

A safety cable kit is included in all overhead mounted air circulators to prevent the fan from falling if accidentally struck or mounting fails. Single safety cable kits consist of 12 feet of 1/16" diameter cable, 2 cable clamps and instructions.

24" DIRECT DRIVE MANCOOLER ®



Portable Barrel



FEATURES

- 115V, 1/4HP, 1 Phase, TEAO Ball Bearing Motor
- Two Speed Rocker Switch
- Epoxy Coated Barrel
- Epoxy Coated Steel Spiral Resilient Mounted Guards
- Tiltable
- Handle with Cord Wrap for 10' Cord with Three Prong Plug

115V MODEL

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	CFM High Low	RPM High Low	Amps	Ship Wt.	List Price
24"	Portable Barrel	70001	DDMC24C	1/4	4000 / 2100	1100 / 800	3.5	70	\$378



Engineered for Superior Performance
FEATURES ON ALL BELT DRIVE MANCOOLERS®

- Guards & Propellers Black Epoxy Coated
- Barrel Epoxy Coated
- 1 Year Warranty
- UL / CUL Listed

BDMC36C

- 115V, 1 Phase, 2 Speed, ODP, 1/2 HP Motor
- 36" Diameter Three Bladed Aluminum Propeller
- Tilttable
- Two Speed Rocker Switch
- Steel Wheels with Rubber Tires
- Handle with Cord Wrap
- 10' Cord with Three Prong Plug

Prop. Dia.	Fan Style	EDP Number	Catalog Number	HP	Cabinet Size	CFM	RPM	Ship Wt.	List Price
36"	Portable	70005	BDMC36C	1/2 (2SP)	36½"	7800/5300	660/450	107	\$583


 Tilttable
Portable Belt Drive
BDMC36C

 EMC42D
Portable 2 SP Barrel

EMC42D

- 115V, 1 Phase, 2 Speed, ODP, 1/2 HP Motor
- Three Bladed Aluminum Propeller
- Tilttable
- Two Speed Rocker Switch
- 8" Steel Wheels with Rubber Tires
- Handle with Cord Wrap
- 10' Three Conductor SJT Type Cord

EMC48B

- 115V, 1 Phase, 1 Speed, ODP, 1 HP Motor
- Four Bladed Steel Propeller
- Steel Wheels with Rubber Tires
- Front Leg Bracket
- Pull Handle
- 12' Three Conductor SJT Type Cord and Switch

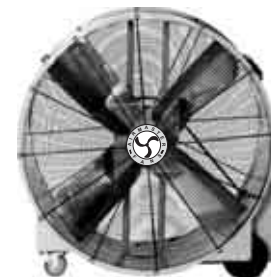
Prop. Dia.	Fan Style	EDP Number	Catalog Number	HP	Cabinet Size	CFM	RPM	Ship Wt.	List Price
42"	Portable	60007	EMC42D	1/2 (2SP)	46"	14,000 / 8000	540 / 400	120	\$650
48"	Portable	60019	EMC48B	1 (1SP)	48½"	17,173	385	155	\$1169


 EMC48B
Portable 1 SP Barrel

MC420S

- 115V, 1 Phase, 2 Speed, ODP, 1 HP Motor
- Motor Out of Air Stream
- Four Bladed Aluminum Propeller
- 2 Speed Rocker Switch
- Steel Hubbed Wheels with Locking Casters
- Full Width Handle with Cord Wrap
- SJT 10' Cord with Three Prong Plug
- Epoxy Coated Steel Spiral, Vibration Isolated Mounted Guards
- 20 ga. Roll Form, Epoxy Coated Housing
- Fully Assembled
- UL / CUL Listed, Compliant with OSHA Requirements
- Quiet - Dba: High 75, Low 67

Prop. Dia.	Fan Style	EDP Number	Catalog Number	HP	Cabinet Size	CFM	RPM	Ship Wt.	List Price
42"	Portable	60002	MC420S	1 (2SP)	46"	17,100 / 9558	430 / 285	132	\$695


 MC420S
Portable Barrel

NEW
MC42 / MC48 SWIVEL MOUNTS

- 115V, 1 Phase, 1 Speed, ODP, 3/4 (42") & 1 HP (48") Motor
- Four Bladed Aluminum Propeller
- Tilttable 30°, Locks in Place
- 4" Steel Wheels with Rubber Tires
- Pull Handle with Cord Wrap
- 12' Three Conductor SJT Type Cord and Switch

Prop. Dia.	Fan Style	EDP Number	Catalog Number	HP	Cabinet Size	CFM	RPM	Ship Wt.	List Price
42"	Swivel Mt.	60025	MC42B	3/4 (2SP)	42½"	16,180	380	135	\$1174
48"	Swivel Mt.	60026	MC48B	1 (1SP)	48½"	17,730	385	160	\$1431


 Swivel Mount Belt Drive
MC42/48B




FEATURES

- Completely Assembled
- On/Off Switch & Handle
- 1 Year Warranty
- Cord and Plug Included
- 115V, 1 Phase, 1 Speed, Open Drip Proof, Ball Bearing Motor

PERFORMANCE 115V

Prop Dia.	Cabinet Size	CFM	RPM
30"	36¼" x 19" W	7360	580
36"	42¼" x 19" W	9230	430
42"	48¼" x 19" W	13620	440
48"	54¼" x 19" W	17770	400

115V MODELS

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
30"	Cabinet Fan	39130	M30RA	1/2	141	\$1681
36"	Cabinet Fan	39140	M36RA	1/2	152	\$1761
42"	Cabinet Fan	39150	M42RA	3/4	277	\$2366
48"	Cabinet Fan	39160	M48RA	1	312	\$2562



AIR CIRCULATOR APPLICATIONS

There are four main uses for fans which circulate air through an enclosed space at appreciable velocity.

- (1) To create a curtain of high velocity air in order to prevent the movement of insects or the convective movement of air between adjoining spaces.
- (2) To eliminate dead air spots within an enclosure.
- (3) To cool hot materials, machinery or parts by moving cooler air across their surfaces.
- (4) TO COOL PEOPLE. This is by far the most common use for air circulating fans.

In the effective cooling of people, air movement utilizes favorable phenomena in human physiology. Human bodies have a built-in temperature regulation system. Their metabolism produces body heat. In order to maintain thermal equilibrium, the body must lose heat at exactly the same rate as its metabolism produces it.

The body rejects excess heat by evaporation, convection and radiation, all of which are affected by environment. Only the first two can be assisted by circulating fans. **FANS WILL NOT MATERIALLY AFFECT BODY HEAT LOSS OR GAIN RESULTING FROM RADIATION.** A man working near a red hot furnace can better be protected by installation of a shiny aluminum shield between his position and the infra-red source.

Fans will help the body lose heat by convection provided the temperature of the air is lower than the surface temperature of the skin. The convective loss is limited by the temperature differential as well as by human perception, about which more will be said later.

Of substantial benefit is the assistance fans give to body heat losses by evaporation. It is, in effect, air conditioning. When perspiration changes from the solid to the gaseous state for any reason, heat is absorbed by the vapor. If perspiration can be induced to evaporate at a faster rate, more heat is removed. This phenomena is called Evaporative Cooling.

Any movement of air across a sweating surface increases cooling. The higher the velocity of air movement, the higher the rate of comfort cooling up to the limits of human tolerance.

As a broad rule of thumb, general ventilation fans are primarily an aid to convective heat losses. Air circulators help where it means the most - when the temperature is high - by accelerating evaporative cooling.

Air circulators are subject to the human perceptions previously mentioned. Actual tests with many individuals show that most people are subject to these:

- (1) They are slightly cool at 72° F, up to almost 90% relative humidity.
- (2) They are comfortable at 77° F., up to about 70% relative humidity, and slightly warm at a higher humidity.
- (3) They are slightly warm at 82° F. at relative humidity 50% or lower, and warmer at a higher humidity.
- (4) They are definitely warm, often uncomfortably so, at 87° F. at 30% to 40% relative humidity, increasingly warm and uncomfortable as humidity rises above 40%.

Here, then, are the environmental conditions where air circulators will be beneficial. When humidity rises over 50% or temperature over 80° F., fans will usually be welcome, but this doesn't end people's perceptions.

- (5) They usually cannot feel air movement of 30 FPM velocity or less.
- (6) They usually do not like a CONTINUOUS breeze in excess of about 100 FPM, but do not mind an intermittent breeze of 200 FPM or more.
- (7) They usually do not like a breeze of less than 80° F. temperature. They refer to lower temperature breezes as a "draft".
- (8) Finally, at very hot or humid conditions, all perceptions are off, and almost any air velocity above 200 FPM at almost any temperature up to ambient will make them feel better - or at least think they do.

Note that nowhere in this discussion have we mentioned cubic feet per minute (CFM). Instead the word has been VELOCITY or FPM. It is a fact that 10,000 CFM at 25 FPM will accomplish less cooling of a person in a hot environment than 1,000 CFM at 100 FPM. It is the velocity distribution pattern of an air circulator that is important, not its CFM rating (with or without the "induced air" effect).



Continuous Duty...Reduces Energy Costs



FEATURES

- **Mark VIII**
 - Shipped Complete with Safety Cable Included
 - 5 Year Commercial Warranty
 - UL Listed
- **Mark VI**
 - Shipped Complete with Safety Cable Included
 - 2 Year Commercial Warranty
 - UL Listed
- **Mark I**
 - Shipped Complete with Safety Cable Included
 - 1 Year Commercial Warranty
 - UL Listed
- All Mark Ceiling Fans are Painted with Electro-Static White Paint
- **All Ceiling Fans Stocked**

PERFORMANCE

Prop Dia.	Fan Style	Down Length*	CFM	RPM	Volt	Amps	Watts Full Speed
56"	MARK I	30"/15"	26400	220	120	0.40	42
	MARK VIII	30"/15"	34000	335	120	1.15	100
	MARK VI-115	32"/14"	32900	311	120	1.12	120
	MARK VI-277	32"/14"	32900	307	277	0.31	125
60"	MARK VIII-60	30"/15"	39600	320	120	1.20	120

*Down Length measurement from ceiling to bottom of motor.

120V & 277V MODELS

Prop Dia.	EDP Number	Catalog Number	Ship Wt.	120V List Price	277V List Price
56"	40132	MARK I	15	\$93	-
	40021	MARK VIII	19	\$254	-
	40123	MARK VI-115	15	\$172	-
	40124	MARK VI-277	15	-	\$192
60"	40041	MARK VIII-60	20	\$268	-

Multiple fans, wire in parallel.
Ambient temperature for all models is 104° F. (40° C).

Moisture & Dust Resistant Jetproof

FEATURES

- Preassembled with Watertight Power Cord and Safety Cable
- Moisture and Dust Resistant
- 2 Year Commercial Warranty
- UL Listed

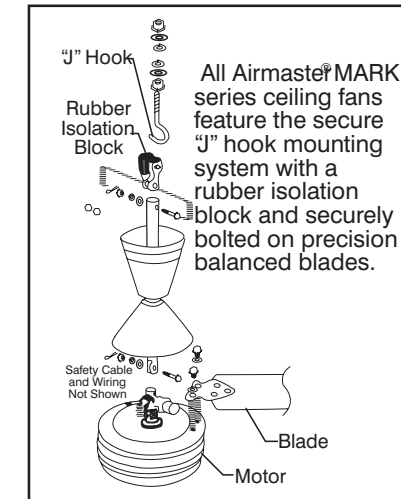
PERFORMANCE

Prop Dia.	Fan Style	Stationary Down Length	CFM	RPM	Volt	Amps	Watts Full Speed
56"	MARK VI Jetproof (JP-CP)	24"	32900	311	115	1.12	120

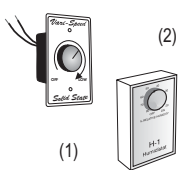


115V MODEL

Prop Dia.	EDP Number	Catalog Number	Ship Wt.	List Price
56"	40129	MARK VI Jetproof (JP-CP)	15	\$270

Multiple fans, wire in parallel.



ACCESSORIES

	EDP Number	Cat. Number	Description	Ship Wt.	List
	CONTROLS FOR COMMERCIAL AND INDUSTRIAL CEILING FANS				
	24855	485210	Control regulates 1 to 6 fans. Not to exceed a maximum amp draw of 6.0 amps. (1)	1	\$48
	24860	596321	Control regulates 7 to 12 fans. Not to exceed a maximum amp draw of 10.0 amps. (1)	1	\$108
	24848	374111	Standard Control, 277V, regulates 1 to 3 fans. 1.5 amps. (1)	1	\$55
	PROTECTIVE CEILING FAN GUARD AND MESH COVER (For 56" Fans)				
	40006	UCFG	61-inch diameter nickel chrome plated top and bottom guard kit UPS shippable.	21	\$286
	SAFETY CABLE KIT				
	21204	40150	Safety Cable Kit - Available for Retrofit Applications	3	\$21



APPLICATIONS

A major source of untapped energy is available at the ceiling in most industrial and commercial buildings. Air stratification causes heat buildup at the ceiling as much as 25°F. or more above floor level temperatures. By installing Airmaster® ceiling fans, this warm air can be recirculated down to floor level to maintain a uniform air temperature from floor to ceiling. The resulting fuel savings can amount to as much as 30% on heating costs.

Airmaster® Ceiling Fans provide a quiet and efficient means of creating cooling breeze during summer. These fans can complement an exhaust ventilating system and room air conditioning by providing air movement and recirculation to remote areas. This can be beneficial during periods of high humidity, when mold or mildew can be a problem on stored warehouse products.

APPLICATION DATA

(A) To prevent stratification of air in a building, Airmaster® Ceiling Fans should be applied in accordance with the table below:

Ceiling Height	40	30	20	15
Recommended floor area per fan (ft) ²	2900	← 4000	→	

- (B)** When fans are used for cooling people during the summer, they should be spaced 15' to 20' apart in the occupied area.
- (C)** For maximum fuel savings and heat utilization, fans should be located over heat producing equipment, such as ovens, air compressors, generators, etc. Fans will keep the heat at floor level instead of rising to the ceiling.
- (D)** In warehouse storage areas, best results will be obtained if fans are mounted over aisle ways.
- (E)** Fans should not be mounted less than 10' above the floor.
- (F)** The use of a safety cable is required on all ceiling fans.

Why Reversible Ceiling Fans Do Not Function As Advertised

The ceiling fan's main function is to destratify trapped hot air in rooms with high ceilings, primarily in the winter. They also mix air within a room in other seasons producing a cooling effect.

A fan can blow air for long distances, 50 feet or more to take warm air at the ceiling and blow it down to mix with the cooler air below, to equalize temperatures throughout the room.

From only a few feet behind the inlet side, you can feel no airflow. One propeller diameter behind the inlet side the velocity is less than 10% of the leaving air velocity.

Reversing will blow air at the ceiling, but will not induce airflow from the floor. The air will hit the ceiling and its velocity will drop to near zero, spread across the ceiling, drop a short distance and drift back to the fan. It will not circulate air throughout a large area. Reversing paddle fans in large areas and/or high ceilings wastes energy and defeats the purpose of the fan.



DIRECT DRIVE AIR BLASTERS - 115/230V & 230/460V



FEATURES

- Cast Aluminum Non-Sparking Propellers
- Front & Rear Guards Meet OSHA Standards
- Adjustable Tilt Drum on High & Medium Models
- Non-Tipping Heavy Base
- Welded Steel Construction
- Portable or Stationary Mount
- 115/230V and 230/460V, Totally Enclosed and Explosion Proof, Ball Bearing Motors



High Stand



Medium Stand



Low Stand

PERFORMANCE 115/230V & 230/460V

Prop Dia. ¹	Decibals @ 10'	HP	CFM	RPM
18"	74	1/4	3450	1725
24"	80	1/4	5200	1725
	80	1/2	6500	1725
	82	1	7400	1725
	87	3	10500	1725
30"	86	1/2	8000	1725
	92	1-1/2	11000	1725
	94	3	16000	1725

PERFORMANCE 115/230V & 230/460V

Prop Dia. ¹	Decibals @ 10'	HP	CFM	RPM
36"	88	1-1/2	14850	1725
	90	2	16800	1725
	84	3	20000	1150
42"	86	2	18000	1150
	86	5	28000	1150
48"	105	7-1/2	37000	1150

¹Actual Propeller 3/4" less.

Prop Dia.	EDP Number USE COLUMN AT RIGHT FOR LAST DIGIT OF EDP NO.	HP	Wt.	HIGH STAND MODEL - 360° TILT							
				EDP ends in 0		EDP ends in 1		EDP ends in 2		EDP ends in 3	
				TOTALLY ENCLOSED MOTOR				EXPLOSION PROOF MOTOR			
				1 Phase 115/230V		3 Phase 230/460V		1 Phase 115/230V		3 Phase 230/460V	
				Cat. Number	List Price	Cat. Number	List Price	Cat. Number	List Price	Cat. Number	List Price
18"	2130 □	1/4	228	18M-1/4	\$3412	18MP-1/4	\$3371	18M-1/4X	\$3982	18MP-1/4X	\$4075
24"	2131 □	1/4	255	24M-1/4	\$3554	24MP-1/4	\$3505	24M-1/4X	\$4082	24MP-1/4X	\$4167
	2132 □	1/2	260	24M-1/2	\$3865	24MP-1/2	\$3843	24M-1/2X	\$4566	24MP-1/2X	\$4683
	2133 □	1	270	24M-1	\$4261	24MP-1	\$4115	24M-1X	\$4990	24MP-1X	\$4993
	2134 □	3	300	24M-3	\$5527	24MP-3	\$4573	-	-	24MP-3X	\$5578
30"	2135 □	1/2	281	30M-1/2	\$4248	30MP-1/2	\$4235	30M-1/2X	\$4964	30MP-1/2X	\$5088
	2136 □	1 1/2	340	30M-1 1/2	\$4859	30MP-1 1/2	\$4606	30M-1 1/2X	\$7125	30MP-1 1/2X	\$5475
	2137 □	3	360	30M-3	\$5792	30MP-3	\$4904	-	-	30MP-3X	\$5957
36"	2138 □	1 1/2	415	36M-1 1/2	\$5561	36MP-1 1/2	\$5329	36M-1 1/2X	\$7913	36MP-1 1/2X	\$6198
	2139 □	2	420	36M-2	\$6002	36MP-2	\$5375	36M-2X	\$8683	36MP-2X	\$6405
	2160 □	3	445	-	-	36MP-3	\$6362	-	-	36MP-3X	\$7877
42"	2141 □	2	565	42M-2	\$10365	42MP-2	\$6605	-	-	42MP-2X	\$7524
	2162 □	5	590	-	-	42MP-5	\$7541	-	-	42MP-5X	\$9254
48"	2163 □	7 1/2	875	-	-	48MP-7 1/2	\$12,421	-	-	48MP-7 1/2X	\$13843
MEDIUM STAND MODEL - 360° TILT											
18"	2170 □	1/4	160	18M-1/4M	\$2970	18MP-1/4M	\$2927	18M-1/4MX	\$3547	18MP-1/4MX	\$3636
24"	2171 □	1/4	165	24M-1/4M	\$3223	24MP-1/4M	\$3051	24M-1/4MX	\$3619	24MP-1/4MX	\$3839
	2172 □	1/2	180	24M-1/2M	\$3409	24MP-1/2M	\$3392	24M-1/2MX	\$4081	24MP-1/2MX	\$4235
	2173 □	1	190	24M-1M	\$3796	24MP-1M	\$3641	24M-1MX	\$4532	24MP-1MX	\$4520
	2174 □	3	260	24M-3M	\$5200	24MP-3M	\$4098	-	-	24MP-3MX	\$5122
	2175 □	1/2	220	30M-1/2M	\$3728	30MP-1/2M	\$3716	30M-1/2MX	\$4446	30MP-1/2MX	\$4571
30"	2176 □	1 1/2	260	30M-1 1/2M	\$4349	30MP-1 1/2M	\$4072	30M-1 1/2MX	\$5943	30MP-1 1/2MX	\$4950
	2177 □	3	277	30M-3M	\$5269	30MP-3M	\$4377	30M-3MX	\$5420	30MP-3MX	\$5420
	2178 □	1 1/2	320	36M-1 1/2M	\$5071	36MP-1 1/2M	\$4814	36M-1 1/2MX	\$7421	36MP-1 1/2MX	\$5837
36"	2179 □	2	325	36M-2M	\$5492	36MP-2M	\$4864	36M-2MX	\$8170	36MP-2MX	\$5897
	2200 □	3	350	-	-	36MP-3M	\$5850	-	-	36MP-3MX	\$7369
42"	2181 □	2	415	42M-2M	\$9762	42MP-2M	\$5983	-	-	42MP-2MX	\$6904
	2202 □	5	440	-	-	42MP-5M	\$6925	-	-	42MP-5MX	\$8715
48"	2203 □	7 1/2	745	-	-	48MP-7 1/2M	\$10175	-	-	48MP-7 1/2MX	\$12,944
LOW STAND MODEL											
18"	2210 □	1/4	87	18M-1/4L	\$2479	18MP-1/4L	\$2436	18M-1/4LX	\$3058	18MP-1/4LX	\$3134
24"	2211 □	1/4	115	24M-1/4L	\$2583	24MP-1/4L	\$2548	24M-1/4LX	\$3116	24MP-1/4LX	\$3211
	2212 □	1/2	120	24M-1/2L	\$2913	24MP-1/2L	\$2893	24M-1/2LX	\$3578	24MP-1/2LX	\$3728
	2213 □	1	130	24M-1L	\$3297	24MP-1L	\$3125	24M-1LX	\$4029	24MP-1LX	\$4012
	2214 □	3	160	24M-3L	\$5897	24MP-3L	\$3581	-	-	24MP-3LX	\$4606
30"	2215 □	1/2	141	30M-1/2L	\$3194	30MP-1/2L	\$3168	30M-1/2LX	\$3908	30MP-1/2LX	\$4020
	2216 □	1 1/2	200	30M-1 1/2L	\$3802	30MP-1 1/2L	\$3514	30M-1 1/2LX	\$6061	30MP-1 1/2LX	\$4520
	2217 □	3	220	30M-3L	\$4721	30MP-3L	\$3822	-	-	30MP-3LX	\$4864
36"	2218 □	1 1/2	250	36M-1 1/2L	\$4384	36MP-1 1/2L	\$4120	36M-1 1/2LX	\$6737	36MP-1 1/2LX	\$5005
	2219 □	2	255	36M-2L	\$4795	36MP-2L	\$4167	36M-2LX	\$7472	36MP-2LX	\$5200
	2240 □	3	280	-	-	36MP-3L	\$5157	-	-	36MP-3LX	\$6672
42"	2221 □	2	315	42M-2L	\$9056	42MP-2L	\$5260	-	-	42MP-2LX	\$6181
	2242 □	5	340	-	-	42MP-5L	\$6198	-	-	42MP-5LX	\$7920
48"	2243 □	7 1/2	685	-	-	48MP-7 1/2L	\$9332	-	-	48MP-7 1/2LX	\$12,095

NOTES: Fans are pre-assembled, tested and ready to install. Specify voltage required when ordering.



Prop Dia.	EDP Number	Description	List
YOKE MOUNT - TILT ONLY			
18" 24" 30" 36"	22440 22450 22460 22470	For wall or ceiling mounting. Add the following to low stand prices:	\$680 \$761 \$778 \$947
YOKE MOUNT - TILT & SWIVEL			
18" 24" 30" 36"	22441 22451 22461 22471	For wall or ceiling mounting. Add the following to low stand prices:	\$1661 \$1730 \$1937 \$2156
CASTERS (For Low & Medium Models)			
18"-30" 36"-48"	22480 22490	Two fixed / two swivel (with locking device) Add the following to low or medium stand prices:	\$534 \$749



OPTIONAL PREWIRED STARTER SWITCHES

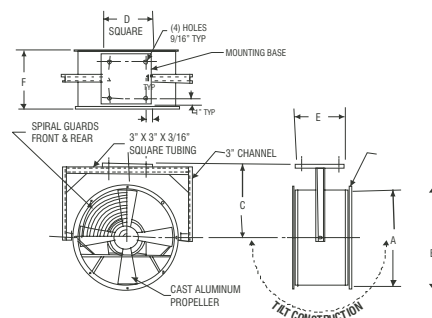
EDP Number	Motor HP	1 Phase Standard	3 Phase Standard	1 Phase Exp. Proof	3 Phase Exp. Proof
91901	1/4, 1/2, 1	\$597	-	-	-
91902	1 1/2	\$1403	-	-	-
91903	1/4, 1/2, 1, 1 1/2, 2, 3	-	\$1410	-	-
91904	5	-	\$1605	-	-
91905	1/4, 1/2, 1	-	-	\$2193	-
91906	1 1/2	-	-	\$4199	-
91907	1/4, 1/2, 1, 1 1/2, 2, 3, 5	-	-	-	\$3821
91908	7 1/2	-	-	-	\$4308

AIR BLASTER DIMENSIONS

PROP DIA	A	B	C	D	E	F
18	23	30	25	42	20	32
24	29	30	25	42	26	32
30	35	30	25	42	32	32
36	41	30	25	42	38	32
42	47	30	25 1/2	42	44	32
48	53	30	25 1/2	42	51	32

PROP DIA	G	H	J	K	W
18	23 1/2	28	21 1/2	18	20
24	29 1/2	28	27 1/2	24	20
30	35 1/2	28	33 1/2	30	20
36	41 1/2	28	39 1/2	36	24
42	47 1/2	28	45 1/2	42	24
48	53 1/2	36	52	48	28

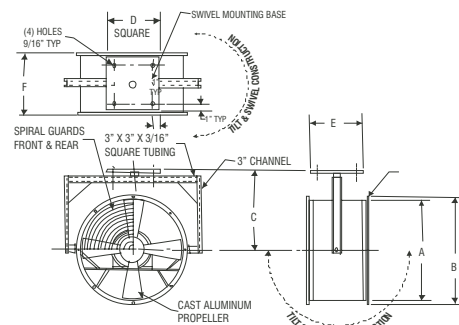
Tilt Mount



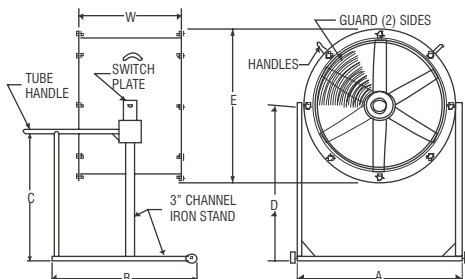
AIR BLASTER YOKE MOUNT DIMENSIONS

SIZE	A	B	C**	D	E	F	
18	18	20	17	17 1/2	15	15	20
24	24	26	21	21 1/2	15	15	20
30	30	32	25	25 1/2	15	15	20
36	36	38	29	29 1/2	18	18	24

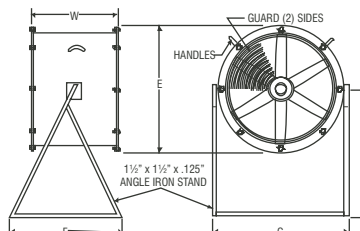
* Dimension for Tilt Only; ** Dimension for Tilt and Swivel Only



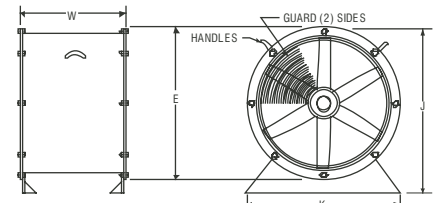
Tilt & Swivel Mount



HIGH STAND



MEDIUM STAND



LOW STAND



BASIC TERMINOLOGY

VENTILATION - Moving air from one area to another.

CIRCULATION - The moving of air within a given area.

CFM - The volume of air moved by a fan expressed in cubic feet per minute.

SP / STATIC PRESSURE - The resistance to flow in any air moving system, expressed in inches of water column (IN. W.G.). Fans are rated in CFM at various static pressures.

HP / HORSEPOWER - The most common measurement of mechanical power of a motor.

BHP - The horsepower required to drive the fan at a given RPM and Performance Point.

VELOCITY - The speed, expressed in FPM (feet per minute), of air moving through a given area such as a duct, face area of a hood, air intake opening or cross section of a room or booth, or from an air circulator.

AIR CHANGES - The time required for a complete air change in given space. Normally expressed in minutes per change.

VENTILATION PRINCIPLES

AIR CHANGE METHOD - Probably the most common form of ventilation. Normally used for general ventilation of a building or an area in a building. Determine the the volume of the area by multiplying the LENGTH X WIDTH X HEIGHT of the area, then divide the volume by the frequency of air change to determine the required CFM airflow. Determine the frequency of air change from the table below.

Several factors will affect your selection of air change frequency, a warmer climate will require a more frequent change than a more temperate one. Larger rooms often require less frequent air changes.

CAUTION - When ventilating an area that contains hazardous (explosive) fumes or dust in the air, specify a fan with an explosion proof motor and spark resistant construction.

INTAKE AIR - You cannot exhaust air without an intake air source, the air you exhaust from a building has to be replaced, a source of intake air located on the end of the building opposite the fan provides the best ventilation. Intake air velocity should be kept below 500-FPM velocity. Divide the CFM rating of the fan by the required velocity to determine the minimum square feet of face area for proper intake air (CFM / Velocity = Area). Bird screen in an air intake has a negligible effect on the open area, but insect screen reduces the open area by 50%. Louvers will also reduce the actual open area, see the louver data for actual open area.

<i>AVERAGE AIR CHANGES REQUIRED FOR GOOD VENTILATION</i>	
	<i>MINUTES/CHANGE</i>
ASSEMBLY HALLS	2-10
AUDITORIUMS	2-10
BAKERIES	2-3
BANKS	3-10
BARNs	10-20
BARS	2-5
BOILER ROOMS	1-5
BOWLING ALLEYS	2-10
CHURCHES	5-10
CLUBS	2-10
DAIRIES	2-5
DANCE HALLS	2-10
DINING ROOMS	3-10
DRY CLEANERS	1-5
ENGINE ROOMS	1-3
FACTORIES	2-5
FORGE SHOPS	2-5
FOUNDRIES	1-5
GARAGES	2-10
GENERATOR ROOMS	2-5
GYMNASIUMS	2-10
KITCHENS-HOSPITALS	2-5
KITCHENS-RESTAURANTS	1-3
LABORATORIES	1-5
LAVATORIES	2-5
LAUNDRIES	1-3
MARKETS	2-10
OFFICES	2-10
PACKING HOUSES	2-5
PLATING ROOMS	1-5
POOL ROOMS	2-5
PROJECTION ROOMS	1-3
RECREATION ROOMS	2-10
RESIDENCES	2-5
SALES ROOMS	2-10
THEATERS	2-8
TRANSFORMER ROOMS	1-5
WAREHOUSES	2-10



SHUTTER FAN

FEATURES

- Fully Assembled - Ready to Install
- Rear Guard Meets OSHA Standards
- Totally Enclosed Motor
- UL Listed

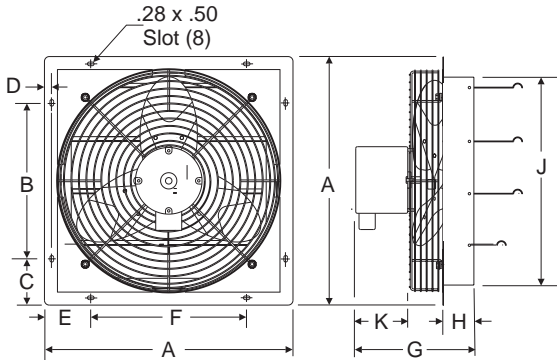


PERFORMANCE / PRICING

◀ = EDP in stock

Prop Dia.	EDP#	Catalog Number	Panel Size (Square)	Wall Opening (Square)	0" S.P. CFM	1/8" S.P. CFM	Motor HP	Volt	PH	Max. Sones @ 5'	Ship Wt.	List Price
7"	◀23000	EPRSM7	11-1/8"	8-1/2"	121	60	1/30	115	1	4.8	10	\$212
10"	◀23001	EPRSM10	13-1/8"	10-1/2"	611	318	1/30	115	1	6.6	10	\$227
12"	◀23002	EPRSM12	15-1/8"	13"	815	490	1/30	115	1	7.6	12	\$259
16"	◀23003	EPRSM16	19-1/8"	17"	1216	765	1/20	115	1	8.0	20	\$386
18"	◀23004	EPRSM18	21-1/8"	18-1/2"	1877	752	1/15	115	1	8.4	25	\$432
20"	◀23007	EPRSM20	23-1/8"	20-1/2"	2235	920	1/15	115	1	9.0	35	\$459
24"	◀23005	EPRSM24	27-1/8"	25"	3214	2015	1/4*	115	1	11.7	48	\$541
30"	◀23008	EPRSM30	33-1/8"	30-1/2"	4970	3510	1/4*	115	1	12.0	57	\$645

*3-Speed with Pull Chain, Plug and Cord Included



DIMENSIONS

Model	A	B	C	D	E	F	G	H	J	K
EPRSM7	11.13	4	3.56	.56	3.56	4	8.06	2.38	8	3.00
EPRSM10	13.13	6	3.56	.56	3.56	6	8.06	2.38	10	3.00
EPRSM12	15.13	8	3.56	.56	3.56	8	8.06	2.38	12	3.00
EPRSM16	19.13	12	3.56	.56	3.56	12	9.06	2.38	16	4.00
EPRSM18	21.13	14	3.56	.56	3.56	14	11.00	2.50	18	4.75
EPRSM20	23.13	16	3.56	.56	3.56	16	11.00	2.50	20	4.75
EPRSM24	27.13	20	3.56	.56	3.56	20	12.65	3.00	24	5.00
EPRSM30	33.13	26	3.56	.56	3.56	26	12.65	3.00	30	5.00

ALL PURPOSE WALL FAN

FEATURES

- High Efficiency
- Low Operating Cost
- Commercial Duty
- Totally Enclosed Motor

PERFORMANCE

◀ = EDP in stock

Prop Dia.	EDP Number	Catalog Number	HP	Fan RPM	Capacity (CFM) @ "SP In. W.G.					Max. Sones @ 5'	Ship Wt.	Totally Encl. Two Speed 115V	
					0"	.05"	.10"	.125"	.20"				.250"
10"	◀24100	10EPR16	1/60	1550	524	469	418	394	309	234	5.6	12	\$341**
12"	◀24110	12EPR16	1/30	1550	897	843	754	689	503	378	6.0	14	\$354*
16"	◀24120	16EPR16	1/9	1050	1881	1766	1626	1540	1169	814	8.8	24	\$430**
18"	◀24130	18EPR16	1/9	1050	2504	2345	2149	2035	1553	884	9.5	27	\$457*

NOTE: For Supply Duty add "S" prefix to EDP Number and use list price divided by 0.80.

RECOMMENDED OPTIONAL ACCESSORIES (EDP numbers in parenthesis)

Catalog Number	Wall Collar	Exhaust Shutter For Use With Wall Collar	Supply Shutter For Use With Wall Collar	Exhaust Shutter For Use Without Wall Collar	Supply Shutter For Use Without Wall Collar	Safety Guards Prop Side (Front)
10EPR16	WS10 (06883) \$101	WR9E (22753) \$90	WC9 (22754) \$110	WR10E (22750) \$90	WC10 (22755) \$119	10EPR (23060) 3# \$61
12EPR16	WS12 (06884) \$104	WR10E (22750) \$90	WC10 (22755) \$119	WR12E (22765) \$96	WC12 (22611) \$119	12EPR (23070) 4# \$64
16EPR16	WS16E (06885) \$120	WR12E (22765) \$96	WC12 (22611) \$119	WR16E (22775) \$122	WC16 (22621) \$124	16EPR (23080) 5# \$79
18EPR16	WS18E (06886) \$126	WR16E (22775) \$122	WC16 (22621) \$124	WR18E (22785) \$131	WC18 (22631) \$148	18EPR (23090) 6# \$80

See page 39 for WS Wall Collar Dimensions. See page 39 for WRE and WC shutter selection/installation information, ship weights and cautions.

NOTE: When a WRE or WC Shutter is used for exhaust or supply and mounted remote from the fan, a WS Wall Collar is not needed. The shutter is installed directly on the wall and a Motor Actuator Kit must be utilized.

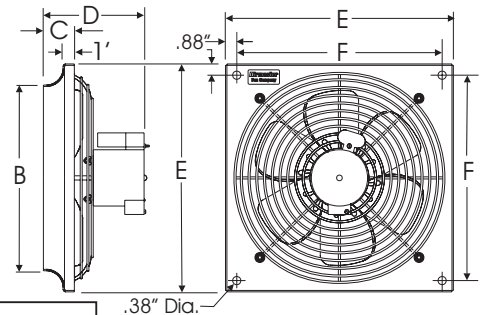
FOR MOTORIZED LOUVERS/SHUTTERS ADD MOTOR KIT FROM LIST BELOW

WR Exhaust Motor Kit - For 9" to 36" Wall Louver			Manual Chain Operator - 1 Panel Exhaust Shutter (For 10" to 36")		WC Supply Duty Motor Kit - For 9" - 36" Supply Shutters		
Catalog No.	EDP No.	List	EDP No.	List	Catalog No.	EDP No.	List
MK4620-F (120V/240V)	22930	\$267	02684	\$138	MK5047-F (120V/240V)	22900	\$267

Units are single phase operation. Specify voltage needed when ordering.

Units are single phase operation. Specify voltage needed when ordering.

NOTE: On EPR only: If Supply Shutter is remote from fan, it must be motorized. Shutters Motor Kits are not Explosion Proof.



DIMENSIONS (INCHES)

Size	A	B	C	D	E	F	H(DIA.)	# HOLES
10	10	10/16	1/2	6	14	12.25	.38	4
12	12	12/16	1/2	8	16	14.25	.38	4
16	16	16/16	1/2	9/16	20	18.25	.38	4
18	18	18/16	1/2	10	22	20.25	.38	4

Controls

EDP#	Model#	Item	List
24852	-	**Two Speed Switch	\$38
24855	458210	**Variable Speed	\$48
24820	T-1	Thermostat (115V only)	\$179



DIRECT DRIVE FANS LOW PRESSURE INDUSTRIAL DUTY MODEL EXG



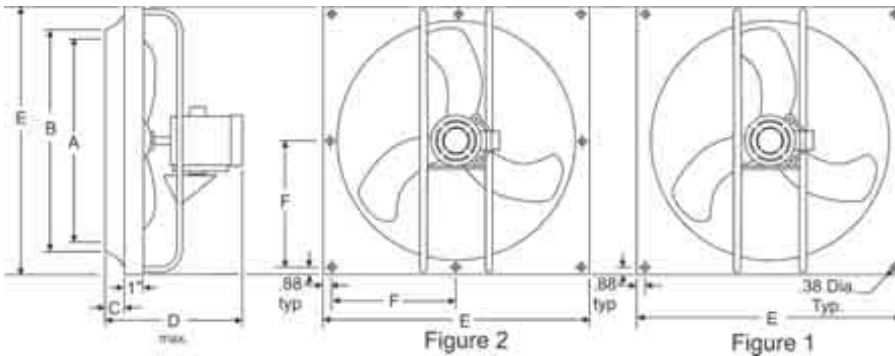
SPARK RESISTANT CONSTRUCTION WITH EXPLOSION PROOF MOTORS

PERFORMANCE / PRICING

◀ = EDP in Stock

Prop Dia.	EDP Number	Catalog Number	HP	Fan RPM	Capacity (CFM) @ "SP			Approx. Ship Wt.	Max. Sones @ 5'	Exp. Prf. 1 Phase 115/208/230V	Exp. Prf. 1 Phase 115/230V	Exp. Prf. 3 Phase 230/460V
					0"	1/8"	1/4"					
12"	◀24350	12EXG16	1/4	1725	970	900	800	25	6.7	\$1162	-	-
16"	◀24360	16EXG16	1/4	1725	2950	2200	1900	40	17.6	\$1344	-	-
18"	24371	18EXG16A	1/4	1140	2600	2200	1000	62	10.5	-	\$1364	-
	24391	18EBX836A	1/4	1140	2600	2200	1000	60	10.5	-	-	\$1474
24"	◀24381	24EXG16A	1/4	1140	5100	4780	3550	75	20.6	-	\$1400	-
	24401	24EBX836A	1/4	1140	5100	4780	3550	90	20.6	-	-	\$1530

For supply duty add "S" prefix to EDP Number and use list price divided by 0.80. Explosion Proof Motors Class I, Group D & Class II Groups F&G. Propellers have spark resistant aluminum blades. See page 33 for Explosion Proof Motor information.



DIMENSIONS FOR EXG (IN.)

Size	12"	16"	18"	24"	30"	36"
See Fig.	1	1	1	1	2	3
A(Dia.)	12	16	18	24	30	36
B	12½	16½	18½	24½	30½	36½
C	1¼	1¾	2½	2½	3	3¼
D			12¼	15½	13¾	12¼
E	16	22	24	30	36	42
F	14¼	18¼	22¼	28¼	17	10
G						20¼
H(Dia.)	.38	.38	.38	.38	.62	.62
HOLES	4	4	4	4	8	12

RECOMMENDED OPTIONAL ACCESSORIES (EDP numbers in parenthesis)

Prop Dia.	Wall Collar	Exhaust Shutter for use		Supply Shutter for use		Safety Guards		
		With Wall Collar	Without Wall Collar	With Wall Collar	Without Wall Collar	Prop Side Guard (Front)	Motor Side Guard (Rear)	
12"	WS12 (06884) \$104	WR10E (22750) \$90	WC10 (22755) \$119	12FG (23660) 7#	\$112			
		WR12E (22765) \$96	WC12 (22611) \$119	12RG (23605) 15#	\$150			
16"	WS18E (06886) \$126	WR16E (22775) \$122	WC16 (22621) \$124	16FG (23665) 11#	\$127			
		WR16E (22775) \$122	WC16 (22621) \$124	16RG (23610) 21#	\$176			
18"	WS18 (06894) \$132	WR18E (22785) \$131	WC18 (22631) \$148	18FG (23670) 11#	\$130			
		WR18E (22785) \$131	WC18 (22631) \$148	18RG (23615) 23#	\$181			
24"	WS24 (06887) \$168	WR24E (22795) \$175	WC24 (22641) \$186	24FG (23675) 15#	\$145			
		WR24E (22795) \$175	WC24 (22641) \$186	24RG (23620) 28#	\$207			

NOTES:

Weatherhoods are available for 24", 30" & 36" units. WS Wall Collars are shipped knocked down. WC Supply Shutters are not weather resistant. It is recommended that the WC be used with a weatherhood.

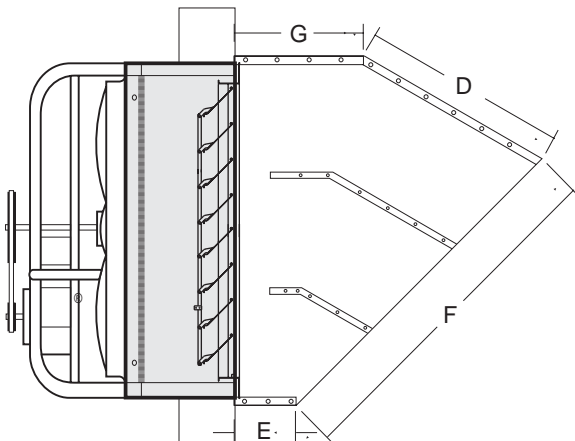
See pages 39 and 40 for WS Wall Collar Dimensions & Weatherhoods. See page 40 for prop (front) and motor (rear) side guard dimensions.

For Epoxy Coating Finish of shutters or guards, add "E" suffix to EDP# and use list price divided by 0.65.

See page 39 for WRE and WC shutter selection/installation information, ship weights and cautions.

NOTE: When a WRE or WC shutter is used for exhaust or supply and mounted remote from the fan, a WS Wall Collar is not needed. The shutter is installed directly on the wall and a Motor Actuator Kit must be utilized.

SUPPLY DUTY OPTION AND SUPPLY FAN ACCESSORIES



Airmaster offers a supply duty option for the **EPR, EXG, PD, HV, PB AND HA** series wall fans. The fans are custom built with the venturi facing the motor, allowing the fan to blow air into the building and still have the motor on the inside. **To order the fan in supply duty, add "S-" to the part number and EDP number and divide the exhaust fan list price by 0.80 for the new supply duty list price.**

Recommended optional accessories include the WC supply shutters, WS wall collars, WH weather hoods, FG front guards and RG rear guards.

WC SUPPLY SHUTTER SELECTION / INSTALLATION INFORMATION AND CAUTIONS:

The velocity profile near the fan blade tips (spot velocity) is non-uniform and will vary by fan model. This spot velocity condition can damage a backdraft damper if it exceeds the maximum recommended backdraft damper velocity. For this reason, it is recommended that the backdraft damper be mounted a minimum of 1/3 the fan diameter away from the fan outlet. It is a good practice to contact the factory when applications have a velocity approaching the maximum allowed. When the fan motor horsepower is 7-1/2 and above the WC shutter should not be used.



LOW PRESSURE FAN

FEATURES

- Totally Enclosed, Ball Bearing Motor
- High Efficiency
- 2 Speed, Single Phase; or, Single Speed, Three Phase Motors Available

PERFORMANCE / PRICING

◀ = EDP in stock

Prop Dia.	EDP Number	Catalog Number	HP	Fan RPM	Capacity (CFM) @ "SP				Max. Sones @ 5'	Approx. Ship Wt.	Totally Encl. Two Speed *115V	TEFC 1 Speed, 3 Ph. 230/460V
					0"	1/10"	1/8"	1/4"				
18"	◀24201	PD18T-D3A	1/6	1110	2680	2414	2332	1789	12.0	30	\$538	-
24"	◀24211	PD24T-E3A	1/2	870	4860	4360	4270	2800	11.6	45	\$609	-
	◀24260	PD24T-E8A	1/4	825	4610	4110	4020	2550	11.6	45	-	\$1185
30"	◀24221	PD30T-G3A	1/2	845	7380	6850	6750	5500	16.7	85	\$1213	-
	◀24270	PD30T-G8	1/2	845	7380	6850	6750	5500	16.7	85	-	\$1271
36"	◀24231	PD36R-G3A	1/2	840	8664	7814	7545	5916	20.5	95	\$1432	-
	◀24280	PD36R-G8	1/2	840	8664	7814	7545	5916	20.5	95	-	\$1485

For supply duty add "S" prefix to EDP Number and use list price divided by 0.80. PD24T-E3A not available as Supply Duty.



PD18 & 24



PD30 & 36

RECOMMENDED OPTIONAL ACCESSORIES (EDP numbers in parenthesis)

Prop Dia.	WRE Exhaust Shutter	WS Wall Collar	WC Supply Shutter	Safety Guards Prop Side (Front)	Safety Guards Motor Side (Rear)
18"	WR18E (22785) \$131	WS18 (06894) \$132	WC18 (22631) \$148	18FG (23670) 11# \$130	STD. - - -
24"	WR24E (22795) \$175	WS24 (06887) \$168	WC24 (22641) \$186	24FG (23675) 15# \$145	STD. - - -
30"	WR30E (22805) \$239	WS30 (06888) \$210	WC30 (22651) \$262	30FG (23680) 19# \$176	30RG (23625) 37# \$253
36"	WR36E (22815) \$299	WS36 (06889) \$245	WC36 (22661) \$347	36FG (23685) 27# \$228	36RG (23630) 64# \$357

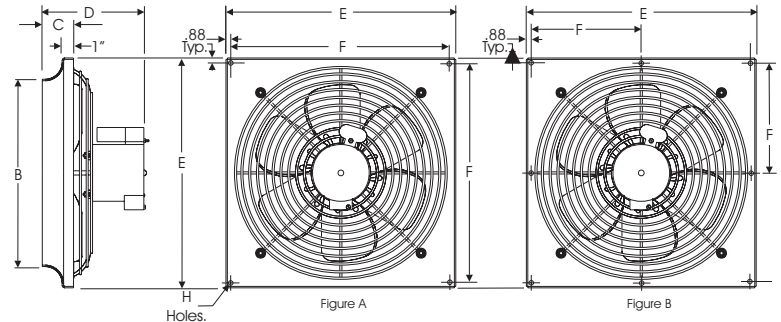
See page 40 for prop side (front) & motor side (rear) guard dimensions. See page 39 for WRE and WC shutter selection/installation information, ship weights and cautions.

NOTE: When a WRE or WC shutter is used for exhaust or supply and mounted remote from the fan, a WS Wall Collar is not needed. The shutter is installed directly on the wall and a Motor Actuator Kit must be utilized.

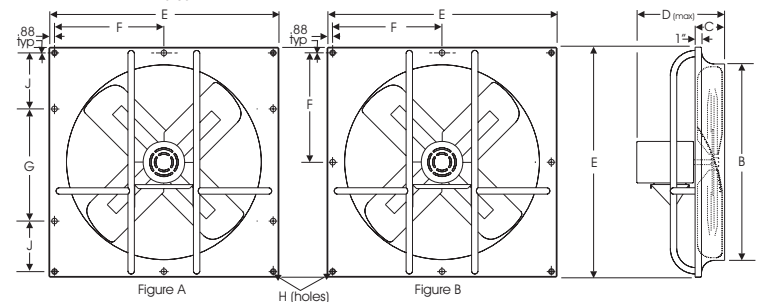
DIMENSIONS FOR PD (IN.)

Size	18"	24"	30"	36"
See Fig.	A	B	A	B
A(Dia.)	18	24	30	36
B	18 1/2	24 1/2	30 1/2	36 1/2
C	2 1/2	2 1/2	3	3 1/4
D	12 3/4	15 1/2	13 3/4	12 1/4
E	24	30	36	42
F	22 1/4	28 1/4	17	10
G				20 1/4
J				10
H(Dia.)	.38	.38	.62	.62
HOLES	4	4	8	12

PD 18" and 24"
Fig. A



PD 30" and 36"
Fig. B



FOR MOTORIZED LOUVERS/SHUTTERS ADD MOTOR KIT FROM LIST BELOW

WR Exhaust Motor Kit -
For 9" to 36" Wall Louver

WC Supply Duty Motor Kit -
For 9" - 36" Supply Shutters

Catalog No.	EDP No.	List
MK4620-F (120/240V)	22930	\$267
MK4620-C (440V)	22935	\$267

Cat. No.	Volt	EDP No.	List
MK5047-F	120/240V, 9"-36" Sizes	22900	\$267
MK5047-C	440V, 9"-36" Sizes	22905	\$245

Specify voltage needed when ordering.

Specify voltage needed when ordering.

Manual Chain Operator -
1 Panel Exhaust Shutter (For 10" to 36")

EDP No.	List
02684	\$138

Controls

Item	Model#	EDP#	List
*Two Speed Switch	-	24852	\$38
Thermostat (115V only)	T-1	24820	\$179



DIRECT DRIVE FANS HIGH PRESSURE HIGH VELOCITY MODELS HV & HVEX



FEATURES

- Fully Assembled - Ready to Install
- Totally Enclosed & Explosion Proof Motors
- Full Range of Accessories

PERFORMANCE: FANS WITH TOTALLY ENCLOSED MOTORS / PRICING

◀ = EDP in stock



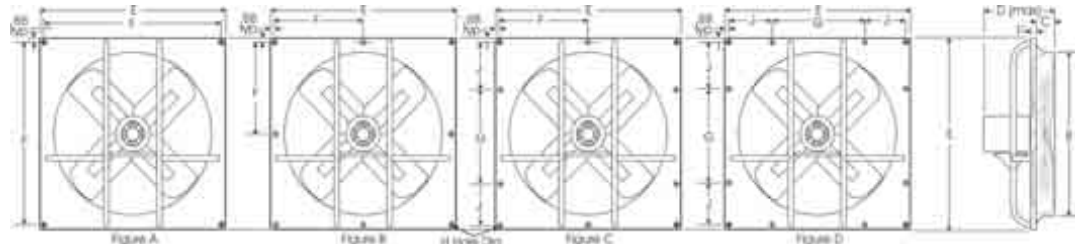
Prop Dia.	EDP Number	Catalog Number	Motor HP	RPM	0" SP CFM	1/8" CFM	1/4" CFM	3/8" CFM	1/2" CFM	Max Sones @5'	Volts	PH	Ship Wt.	List Price
12"	◀25300	H12V76-1	1/6	1750	1480	1360	1220	886	734	10.7	115/230	1	23	\$827
16"	◀25305	H16V76-1	1/2	1750	2700	2590	2390	2100	1740	18.5	115/230	1	47	\$1007
	25310	H16V836-1	1/2	1750	2700	2590	2390	2100	1740	18.5	230/460	3	110	\$970
18"	25315	H18V76-1	1/2	1750	3900	3780	3575	3280	2880	23.0	115/230	1	47	\$1082
	◀25320	H18V836-1	1/2	1750	3900	3780	3575	3280	2880	23.0	230/460	3	110	\$1048
24"	◀25335	H24V76-2	1	1750	6860	6560	6240	5900	5426	35.4	115/230	1	51	\$1400
	◀25340	H24V836-2	1	1750	6860	6560	6240	5900	5426	35.4	230/460	3	118	\$1252
30"	25355	H30V76-1	1	1150	9470	8750	8030	7100	5900	29.0	115/230	1	51	\$2587
	25360	H30V836-1	1	1150	9470	8750	8030	7100	5900	29.0	230/460	3	118	\$1624
	◀25365	H30V836-3	3	1750	14400	13900	13450	13000	12500	60.1	230/460	3	202	\$1765
36"	25385	H36V836-3	1-1/2	1150	13300	12400	11600	10600		37.1	230/460	3	203	\$1923
	◀25390	H36V836-1	3	1750	16890	16179	15504	14816	14125	80.1	230/460	3	205	\$1936
	◀25395	H36V836-2	5	1750	20300	19650	19100	18600	17950	76.5	230/460	3	225	\$2203
42"	25415	H42V836-3	1-1/2	1150	15789	15044	14059	13020	11690	51.8	230/460	3	240	\$2517
	25420	H42V836-1	3	1150	22100	21300	20500	19650	18650	51.3	230/460	3	295	\$3009
	◀25425	H42V836-2	5	1150	26640	25968	25250	24350	23250	62.3	230/460	3	320	\$3170
48"	25445	H48V836-3	3	850	27420	25800	24350	22600		40.7	230/460	3	315	\$4302
	◀25450	H48V836-2	7-1/2	1150	37100	35800	34700	33600	32450	70.2	230/460	3	360	\$4614

PERFORMANCE : FANS WITH EXPLOSION PROOF MOTORS / PRICING



Prop Dia.	EDP Number	Catalog Number	Motor HP	RPM	0" SP CFM	1/8" CFM	1/4" CFM	3/8" CFM	1/2" CFM	Max Sones @5'	Volts	PH	Ship Wt.	List Price
18"	25325	H18VEX76-1	1/2	1750	3990	3780	3480	3020	2250	23.0	115/230	1	47	\$1405
	25330	H18VEX836-1	1/2	1750	3990	3780	3480	3020	2250	23.0	230/460	3	110	\$1659
24"	25345	H24VEX76-2	1	1750	7820	7690	7450	7070	6450	35.4	115/230	1	47	\$1725
	25350	H24VEX836-2	1	1750	7820	7690	7450	7070	6450	35.4	230/460	3	118	\$1812
30"	25370	H30VEX76-1	1	1150	10440	9750	8750	7640	6000	29.0	115/230	1	110	\$4085
	25375	H30VEX836-1	1	1150	10440	9750	8750	7640	6000	29.0	230/460	3	118	\$3281
	25380	H30VEX836-3	3	1750	16000	15350	14700	13850	12900	60.1	230/460	3	202	\$3246
36"	25400	H36VEX836-3	1-1/2	1150	17620	16500	15200	13620	12300	37.1	230/460	3	203	\$3415
	25405	H36VEX836-1	3	1750	18500	17700	15700	15100	13900	80.1	230/460	3	205	\$3437
	25410	H36VEX836-2	5	1750	23000	22150	21100	20200	19000	76.5	230/460	3	225	\$4136
42"	25435	H42VEX836-1	3	1150	24500	23150	23000	22000	19650	51.3	230/460	3	275	\$4571
	25440	H42VEX836-2	5	1150	28970	27960	26840	25700	24200	62.3	230/460	3	320	\$5136
48"	25460	H48VEX836-2	7-1/2	1150	37000	35000	32800	30600	28000	70.2	230/460	3	360	\$6569

Air Delivery Based on Standard Test Codes of AMCA. Explosion Proof motors are Class I, Group D and Class II, Groups F and G. UL listed. Propellers on Explosion Proof Models have spark resistant aluminum blades. See page 33 for further Explosion Proof Motor information. Shutters and Motor Kits are not XP.



DIMENSIONS (Inches)

See Fig.	Fan Size A	B	C	D		E	F	G	J	H (Dia.)	No. Holes
				1 Phase (Max)	3 Phase (Max)						
A	12"	12.25	1.25	10		16	14.25		-	.38	4
A	16"	16.5	1.75	12	12.25	22	18.25		-	.38	4
A	18"	18.5	1.75	10	10	24	22.25		-	.38	4
B	24"	24.5	2.50	12	12.25	30	14.12		-	.62	8
B	30"	30.5	3.00	15	14.75	36	17.12		-	.62	8
C	36"	36.5	3.25	15	15.75	42	21.12	20.25	10	.62	10
D	42"	42.5	3.25		20.00	48		20.25	13	.62	12
D	48"	48.5	3.25		22.50	54		20.25	16	.62	12

NOTES:

For Supply Duty, add "S" prefix to EDP Number and use list price divided by 0.80.

Explosion Proof Motors are Class I, Group D and Class II, Groups F and G. UL Listed Propellers on Explosion Proof Models have spark resistant aluminum blades. See page 33 for further Explosion Proof Motor information.

If Supply Shutter is remote from fan, it must be motorized. Shutters and Motor Kits are not Explosion Proof.





WS WALL COLLAR

RECOMMENDED OPTIONAL ACCESSORIES FOR FANS WITH TOTALLY ENCLOSED MOTORS

WR Exhaust Shutter ¹			WS Wall Collar			WC Supply Shutter ¹			Safety Guard Prop Side (Front)				Safety Guard Motor Side (Rear)			
EDP#	Cat#	List	EDP#	Cat#	List	EDP#	Cat#	List	EDP#	Cat#	Wt.	List	EDP#	Cat#	Wt.	List
22750	WR10E	\$90	06884	WS12	\$104	22755	WC10	\$119	23660	12FG	7	\$112	23605	12RG	15	\$150
22775	WR16E	\$122	06886	WS18E	\$126	22621	WC16	\$124	23665	16FG	11	\$127	23610	16RG	21	\$176
22785	WR18E	\$131	06894	WS18	\$132	22631	WC18	\$148	23670	18FG	11	\$130	23615	18RG	23	\$181
22795	WR24E	\$175	06887	WS24	\$168	22641	WC24	\$186	23675	24FG	15	\$145	23620	24RG	28	\$207
22805	WR30E	\$239	06888	WS30	\$210	22651	WC30	\$262	23680	30FG	19	\$176	23625	30RG	37	\$253
22815	WR36E	\$299	06889	WS36	\$245	22661	WC36	\$347	23685	36FG	27	\$228	23630	36RG	64	\$357
22825	WR42E	\$485	06890	WS42	\$336	22671	WC42	\$488	23690	42FG	34	\$273	23635	42RG	75	\$430
22835*	WR48E	\$566	06891	WS48	\$372	22681	WC48	\$585	23695	48FG	40	\$310	23640	48RG	85	\$476
22747 [†]	WRHD48	\$810														

OPTIONAL WEATHERHOODS

Size	EDP #	Cat. #	List
24"	99915	WH24	\$612
30"	99916	WH30	\$717
36"	99917	WH36	\$794
42"	99921	WH42	\$1043
48"	99923	WH48	\$1147

See page 40 for Weatherhood Dimensions.

RECOMMENDED OPTIONAL ACCESSORIES FOR FANS WITH EXPLOSION PROOF MOTORS

WR Exhaust Shutter ¹			WS Wall Collar			WC Supply Shutter ¹			Safety Guard Prop Side (Front)				Safety Guard Motor Side (Rear)			
EDP#	Cat#	List	EDP#	Cat#	List	EDP#	Cat#	List	EDP#	Cat#	Wt.	List	EDP#	Cat#	Wt.	List
22785	WR18E	\$131	06894	WS18	\$132	22631	WC18	\$148	23670	18FG	11	\$130	23615	18RG	23	\$181
22795	WR24E	\$175	06887	WS24	\$168	22641	WC24	\$186	23675	24FG	15	\$145	23620	24RG	28	\$207
22805	WR30E	\$239	06888	WS30	\$210	22651	WC30	\$262	23680	30FG	19	\$176	23625	30RG	37	\$253
22815	WR36E	\$299	06889	WS36	\$245	22661	WC36	\$347	23685	36FG	27	\$228	23630	36RG	64	\$357
22825	WR42E	\$485	06890	WS42	\$336	22671	WC42	\$488	23690	42FG	34	\$273	23635	42RG	75	\$430
22747 [†]	WRHD48	\$810	06891	WS48	\$372	22681	WC48	\$585	23695	48FG	40	\$310	23640	48RG	85	\$476

NOTE: When a WRE or WC shutter is used for exhaust or supply and mounted remote from the fan, a WS Wall Collar is not needed. The shutter is installed directly on the wall and a Motor Actuator Kit must be utilized.

WR42E and WR48E are two panel construction. See page 40 for prop side (front) and motor side (rear) guard dimensions.

¹ See below for Motor Kits for motorized wall louvers.

¹ FOR MOTORIZED WALL LOUVERS ADD MOTOR KIT FROM LIST BELOW:

EXHAUST MOTOR KITS

EDP No.	CAT No.	Description	List Ea.
22930	MK-4620-F	120/240 Volt, for 9" - 36" exhaust shutters	\$267
22935	MK-4620-C	440 Volt, for 9" - 36" exhaust shutters	\$267
22938	MK-4620-E	550 Volt, for 9" - 36" exhaust shutters	\$282
22940	MK-4621-F	120/240 Volt, for 42" exhaust shutters	\$431
22945	MK-4621-C	440 Volt, for 42" exhaust shutters	\$431
22948	MK-4621-E	550 Volt, for 42" exhaust shutters	\$410
22930	MK-4620-F	120/240 Volt, for 48" - 60" exhaust shutters*	\$267
22935	MK-4620-C	440 Volt, for 48" - 60" exhaust shutters*	\$267
22938	MK-4620-E	550 Volt, for 48" - 60" exhaust shutters*	\$282

Please specify voltage needed when ordering.

Units are for single phase operation.

*48" & 54" require 2 motor kits. 60" requires 3 motor kits.

MANUAL CHAIN OPERATORS

EDP No.	Description	LIST
02684	1 Panel Shutter for 10" - 36"	\$138
02686	2 Panel Shutters for 42" - 54"	\$314
32686	3 Panel Shutters for 60"	\$420

SUPPLY MOTOR KITS

EDP No.	CAT No.	Description	List Ea.
22900	MK-5047-F	120/240 Volt, for 9" - 36" supply shutters	\$267
22905	MK-5047-C	440 Volt, for 9" - 36" supply shutters	\$245
22908	MK-5047-E	550 Volt, for 9" - 36" supply shutters	\$245
22910	MK-4782-F	120/240 Volt, for 42" supply shutters	\$431
22915	MK-4782-C	440 Volt, for 42" supply shutters	\$431
22918	MK-4782-E	550 Volt, for 42" supply shutters	\$411
22900	MK-5047-F	120/240 Volt, for 48" - 60" supply shutters**	\$267
22905	MK-5047-C	440 Volt, for 48" - 60" supply shutters**	\$245
22908	MK-5047-E	550 Volt, for 48" - 60" supply shutters**	\$245

Please specify voltage needed when ordering.

All units are for single phase operation.

**48" - 54" require 2 motor kits. 60" requires 3 motor kits.

NOTES:

Do Not use Louver Motors with Explosion Proof Motors. WS Wall Collars are shipped knocked down. WC Supply Shutters are not weather resistant. It is recommended that the WC be used with a weatherhood. 48" & 54" Shutters - Double Panel Type; 60" - 3 Panel Type 24" - 48" Weatherhoods Available. See page 39 for WS Wall Collar Dimensions.

[†] See page 37 for Heavy Duty Shutters.

See page 39 for WRE and WC shutter selection/installation information, ship weights and cautions.



UNDERSTANDING HAZARDOUS LOCATION FANS & MOTORS

Many areas do or may contain gas, vapor or dust in explosive quantities. These areas must be considered hazardous when selecting a fan. To exhaust these areas a fan with an explosion proof motor must be used, many explosions have been caused by exhausting a potentially explosive area with a fan and motor not designed for use in hazardous areas.

Locations Which May Contain Explosive
Gas, Vapor or Dust in the Atmosphere

Oil Refineries Painting Operations Welding Shops
Chemical Plants Grain Elevators Coal Mines
Grain Mills Battery Charging Areas Chemical Storage
Paint Storage Dry Cleaners Laboratory Hoods
Feed Mills Flour Mills Electroplating Operations

Most airborne dusts are flammable and potentially explosive, and should be treated as such. Locations containing any amounts of explosive material, no matter how slight, require the use of a fan with a motor rated for hazardous locations and spark resistant construction. *Hazardous locations may include, but are not limited to the above list.*

All Airmaster fans with explosion proof motors are rated for Class I, Group D, Class II, Groups F & G atmospheres. Some may be rated for Class I, Group D, Class II, Groups E, F & G, they will be listed in the catalog. An explosion proof motor is designed to withstand an explosion of a specific gas or vapor which may occur within it, and prevent the ignition of the gas or vapor which may be surrounding the motor casing. Always be sure that the motor classes and group ratings match the requirements of the hazardous location. Fans and air circulators with explosion proof motors must be hard wired using explosion proof components and in accordance with all local, state, and national codes. Equipment with explosion proof motors should never be supplied with a cord and plug. Plugging a piece of equipment into a wall outlet can cause a spark, which could lead to an explosion.

National Electrical Code Explosive Atmosphere Classifications

Class I

Group A: Acetylene

Group B: Butadiene, ethylene oxide, hydrogen, propylene oxide, manufactured gasses containing more than 30% hydrogen by volume.

Group C: Acetaldehyde, cyclopropane, diethyl ether, and ethylene.

Group D: Acetone, acrylonitrile, ammonia, benzene, butane, ethanol, ethylene dichloride, gasoline, hexane, isoprene, methane (natural gas), methanol, naphtha, propane, styrene, toluene, vinyl acetate, vinyl chloride, xylene.

Class II

Group E: Aluminum, magnesium, and other metal dusts with similar characteristics.

Group F: Carbon black, coke or coal dust

Group G: Flour, starch or grain dust

Class III

Easily ignitable fibers, such as rayon, cotton, sisal, hemp, cocoa fiber, oakum, excelsior and other fibers of similar nature.

The Classification of a Hazardous Environment

The classification of a hazardous atmosphere requires considerable skill and judgment, especially the extent of the hazardous areas.

Class I, Division I: Those areas in which hazardous concentrations of flammable gasses, vapor or liquids exist, either continually or periodically during normal operating conditions. In these areas the National Electric Code requires the use of explosion proof motors at all times.

Class II, Division II: Those areas in which flammable gasses are handled, processed or used. In these locations the liquid or gas is normally confined in enclosed containers or systems, from which they can escape only in the event of accidental breakdown or abnormal operations. In these areas the National Electric Code requires only that the motors must not have sparking internal contacts (such as centrifugal switches). Normally, three phase TEFC motors are suitable for operation in these atmospheres.

Explosion proof motors are generally not available for Class I, Group A and Class I, Group B locations. When these conditions are encountered, it is usually necessary to isolate the motors from the hazardous location. Also, it is possible to substitute hydraulic or pneumatic motors in place of electric type. All Airmaster axial flow fans and air circulators with explosion proof motors have a cast aluminum propeller or a fabricated propeller with aluminum blades.

Note: All fans must be installed in accordance with all applicable national, state, and local electrical and mechanical codes.



Fully Assembled for Quick Installation

FEATURES

- Heavy Gauge Galvanized Steel Housing
- Aluminum Shutters
- Inlet Guard
- Ball Bearing Motor
- 115V, 115/230V 1 Phase & 230/460V 3 Phase Motors



PERFORMANCE 115V, 115/230V & 230/460V

Prop Dia.	Cabinet Size	0" SP CFM	1/8" SP CFM	RPM
30"	36½" x 19" W or 25" W	6066	3370	574
36"	42½" x 19" W or 25" W	8143	4044	415
42"	48½" x 19" W or 25" W	11039	5950	413
48"	54½" x 19" W or 25" W	14970	10509	372

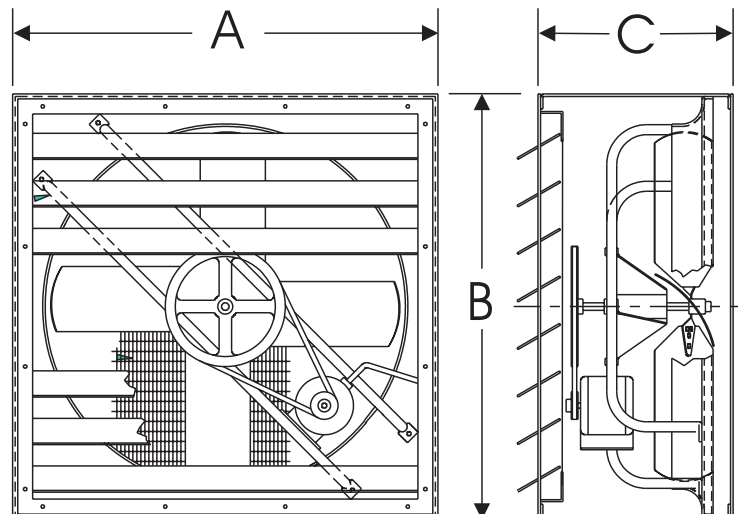
115V, 115/230V & 230/460V MODELS

◀ = EDP in stock

Prop Dia.	Cabinet Size		EDP Number	Catalog Number	HP	PH	Max. Sones @ 5'	SHIP Wt.	ODP* 115V List Price	TEFC* 115/230V List Price	TEFC* 230/460V List Price	EXP* 115/230V List Price
30"	36½"	19"	◀39220	CWF-30-2A	1/2 (ODP)	1	10.99	139	\$1711	-	-	-
	36½"	25"	39223	CWF-30-2A3E	1/2 (TEFC)	3	10.9	153	-	-	\$2151	-
	36½"	25"	39225	CWF-30-2A1X	1/2 (EXP)	1	10.9	168	-	-	-	\$2821
36"	42½"	19"	◀39230	CWF-36-2A	1/2 (ODP)	1	9.5	150	\$1916	-	-	-
	42½"	25"	39237	CWF-36-2A3E	1/2 (TEFC)	3	9.5	181	-	-	\$2532	-
	42½"	25"	39236	CWF-36-3AS1E	3/4 (TEFC)	1	9.5	177	-	\$2682	-	-
	42½"	25"	39234	CWF-36-2A1X	1/2 (EXP)	1	9.5	181	-	-	-	\$3292
42"	48½"	19"	◀39240	CWF-42-3A	3/4 (ODP)	1	12.6	275	\$3094	-	-	-
	48½"	25"	39247	CWF-42-3A3E	3/4 (TEFC)	3	12.6	297	-	-	\$3169	-
	48½"	25"	39241	CWF-42-3A1X	3/4 (EXP)	1	12.6	317	-	-	-	\$3996
48"	54½"	19"	◀39250	CWF-48-4A	1(ODP)	1	12.5	310	\$3352	-	-	-
	54½"	25"	39255	CWF-48-4A3E	1(TEFC)	3	12.5	341	-	-	\$3548	-
	54½"	25"	39257	CWF-48-4A1E	1(TEFC)	1	12.5	341	-	\$3391	-	-
	54½"	25"	39246	CWF-48-4A1X	1(EXP)	1	12.5	353	-	-	-	\$4369



*ODP = Open Drip Proof Motor TEFC = Totally Enclosed, Fan Cooled Motor EXP = Explosion Proof Motor, Class I, Group D; Class II, Groups F & G. See page 33 for further Explosion Proof Motor information.



LOW PRESSURE BELT DRIVE EXHAUST FANS MODEL PB



FEATURES

- Economy Wall Exhaust Fan
- Completely Assembled - Ready to Install
- Available for Exhaust or Supply

FANS WITH MOTOR AND DRIVE SHIPPED MOUNTED / PRICING

◀ = EDP in stock

Prop Dia.	EDP Number	Catalog Number	HP	Fan RPM	Capacity (CFM) @ "SP"		Max Sones @ 5'	Ship Wt.	1/3 & 1/2HP 2 Speed ODP	
					0"	1/8"			1 Phase 115V	3 Phase 230/460V
24"	25602	PB24RA-F1A	1/3	710	4973	3862	10.21	70	\$928	-
	◀25612	PB24RA-G1A	1/2	850	5953	5001	14.2	75	\$966	-
	25801	PB24RA-F8A	1/3	710	4973	3862	10.2	70	-	\$919
	25811	PB24RA-G8A	1/2	850	5953	5001	14.2	75	-	\$1157
30"	25622	PB30RA-F1A	1/3	510	7012	5163	9.0	80	\$963	-
	◀25632	PB30RA-G1A	1/2	600	8249	6720	11.7	85	\$982	-
	25821	PB30RA-F8A	1/3	510	7012	5163	9.0	80	-	\$944
	25831	PB30RA-G8A	1/2	600	8249	6720	11.7	85	-	\$1161
36"	25652	PB36RA-F1A	1/3	375	9048	8120	8.5	100	\$1124	-
	◀25662	PB36RA-G1A	1/2	440	10616	8120	11.5	105	\$1139	-
	25851	PB36RA-F8A	1/3	375	9048	8120	8.5	100	-	\$1105
	◀25861	PB36RA-G8A	1/2	440	10616	8120	11.5	105	-	\$1323
42"	25682	PB42RA-F1A	1/3	340	10808	6812	8.4	175	\$1552	-
	25692	PB42RA-G1A	1/2	386	12271	9304	10.8	180	\$1563	-
	25702	PB42RA-H3A	3/4	445	14146	11672	14.0	215	\$1719	-
	◀25712	PB42RA-I3A	1	495	15736	13568	16.8	230	\$1726	-
	25881	PB42RA-F8A	1/3	340	10808	6812	8.4	175	-	\$1543
	25891	PB42RA-G8A	1/2	386	12271	9304	10.8	180	-	\$1762
	25901	PB42RA-H8A	3/4	445	14146	11672	14.0	215	-	\$1768
◀25911	PB42RA-I8A	1	495	15736	13568	16.8	230	-	\$1914	
48"	25722	PB48RA-G1A	1/2	320	14609	10154	10.1	210	\$1663	-
	25732	PB48RA-H3A	3/4	370	16891	13393	15.0	245	\$1801	-
	◀25742	PB48RA-I3A	1	406	18535	15457	16.8	260	\$1790	-
	25921	PB48RA-G8A	1/2	320	14609	10154	10.1	210	-	\$1862
	25931	PB48RA-H8A	3/4	370	16891	13393	15.0	245	-	\$1865
	25941	PB48RA-I8A	1	406	18535	15457	16.8	260	-	\$1997

PB24 to PB36

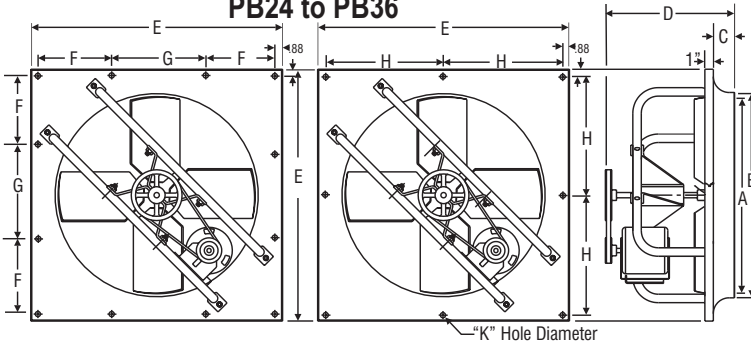


FIGURE 3

PB42 & PB48

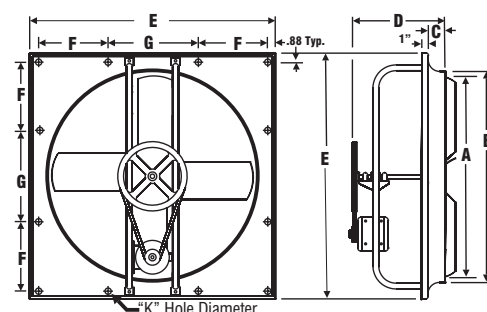


FIGURE 1

APPROXIMATE DIMENSION (INCHES)

Prop Dia.	See Figure	A	B	C	D	E	F	G	H	K	No. Holes
24	2	24	24-1/2	2-1/2	17-7/8	30	-	-	14.12	.62	8
30	2	30	30-1/2	3	18-3/8	36	-	-	17.12	.62	8
36	3	36	36-1/2	3-1/4	18-5/8	42	10	20.25	-	.62	12
42	1	42	42-1/2	3-1/4	24-3/4	48	13	20.25	-	.62	12
48	1	48	48-1/2	3-1/4	24-3/4	54	16	20.25	-	.62	12

NOTES:

For Supply Duty, add "S" prefix to EDP Number and use list price divided by 0.80.
If used for Supply, a Motor Actuator Kit must be utilized with shutter.



RECOMMENDED OPTIONAL ACCESSORIES (EDP # in Parenthesis)

Wall Shutters		Safety Guard Prop Side (Front) Cat. No. EDP# List	Safety Guard Motor Side (Rear) Cat. No. EDP# List	Wall Collar Cat. No. EDP# List
Exhaust - Automatic Cat. No. EDP# List	Supply - Automatic Cat. No. EDP# List			
WR24E (22795) \$175	WC24 (22641) \$186	24FG (23675) \$145	24RG (23620) \$207	WS24 (06887) \$168
WR30E (22805) \$239	WC30 (22651) \$262	30FG (23680) \$176	30RG (23625) \$253	WS30 (06888) \$210
WR36E (22815) \$299	WC36 (22661) \$347	36FG (23685) \$228	36RG (23630) \$357	WS36 (06889) \$245
WR42E (22825) \$485	WC42 (22671) \$488	42FG (23690) \$273	42RG (23635) \$430	WS42 (06890) \$336
WR48E (22835) \$566	WC48 (22681) \$585	48FG (23695) \$310	48RG (23640) \$476	WS48 (06891) \$372



WS WALL COLLAR



WRE SHUTTER

WC Supply Shutters are not weather resistant. It is recommended that the WC be used with a weatherhood. WR42E and larger are two panel construction.

NOTE: When a WRE or WC shutter is used for exhaust or supply and mounted remote from the fan, a WS Wall Collar is not needed. The shutter is installed directly on the wall and a Motor Actuator Kit must be utilized.

See page 37 for WRHD Heavy Duty Shutter information.
See page 39 for WRE and WC shutter selection/installation information, ship weights and cautions.
See page 40 for safety prop side (front) and motor side (rear) guard dimensions.
See page 64 for Motor Kits for motorized wall louvers.



**PROPELLER SIDE
FG (FRONT) SAFETY GUARD**

**MOTOR SIDE
RG (REAR) SAFETY GUARD**

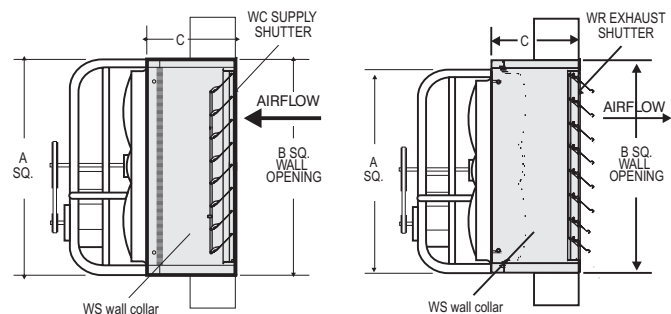
WALL COLLAR DIMENSIONS

Size	A Sq.	B Sq.	C
24"	30	31	14
30"	36	37	14½
36"	42	43	17
42"	48	49	19
48"	54	55	21

OPTIONAL WEATHERHOODS

Size	EDP #	Cat. #	List
24"	99915	WH24	\$612
30"	99916	WH30	\$717
36"	99917	WH36	\$794
42"	99921	WH42	\$1043
48"	99923	WH48	\$1147

See page 40 for Weatherhood Dimensions.



Typical Wall Collar Installations



HIGH PRESSURE BELT DRIVE FANS

MODEL HA



Energy Efficient



FEATURES

- Available for Exhaust or Supply
- Epoxy Coated
- Precision Balanced Propellers
- Quiet

FANS WITH MOTOR AND DRIVE SHIPPED MOUNTED / PRICING

◀ EDP in stock

Prop Dia.	Use Column At Right For Last Two Digits of EDP No.	HA Model #	HP	Fan RPM	Max BHP	Capacity (CFM) @ "SP"					Max Sones @ 5'	Ship Wt.	Single Speed (ODP)			Totally Enclosed	
						0"	1/8"	1/4"	3/8"	1/2"			Single Phase		3 Phase		
													115V	115/230V	208/230/460V	1 Phase	3 Phase
																	115V
24"	A6224C	HA24CA	1/4	746	0.28	4398	3745				12.4	70	\$1129	-	\$1190	-	\$1277
	A6224D	HA24DA	1/3	805	0.37	4746	4210	2885			12.9	80	\$1151	-	\$1256	\$1325	\$1260
	A6224F	HA24FA	1/2	980	0.64	5778	5409	4617			18.4	85	-	\$1332	\$1290	\$1406	\$1335
	A6224H	HA24HA	3/4	1080	0.86	6367	6049	5502	4428		22.6	92	-	\$1366	\$1292	\$1420	\$1370
	A6224J	HA24JA	1	1180	1.14	6957	6674	6257	5453	4462	26.3	111	-	\$1326	\$1275	\$1405	\$1314
	A6224K	HA24KA	1 1/2	1340	1.63	7900	7658	7349	6867	6067	34.0	121	-	\$1523	\$1404	\$1779	\$1507
30"	A6230D	HA30DA	1/3	530	0.36	6518	4821	2608			8.8	98	-	-	\$1350	\$1468	\$1398
	A6230F	HA30FA	1/2	640	0.55	7871	6735	4669			12.8	103	-	\$1471	\$1430	\$1485	\$1468
	A6230H	HA30HA	3/4	730	0.85	8978	8080	6439	4690		19.3	108	-	\$1474	\$1431	\$1566	\$1504
	A6230J	HA30JA	1	820	1.14	10085	9333	8114	6425		20.8	127	-	\$1515	\$1457	\$1591	\$1504
	A6230K	HA30KA	1 1/2	930	1.67	11438	10804	9913	8579	7089	28.2	136	-	\$1738	\$1533	\$1577	\$1518
	A6236F	HA36FA	1/2	561	0.56	9720	8211	5602			14.0	122	-	\$1580	\$1538	\$1660	\$1605
36"	A6236H	HA36HA	3/4	650	0.83	11262	10143	7951			18.1	128	-	\$1605	\$1562	\$1631	\$1569
	A6236J	HA36JA	1	720	1.10	12475	11533	9805			21.8	148	-	\$1649	\$1591	\$1723	\$1660
	A6236K	HA36KA	1 1/2	820	1.65	14207	13429	12223	10377		26.3	157	-	\$1855	\$1618	\$1686	\$1723
	A6236M	HA36MA	2	890	2.15	15420	14721	13739	12219	10464	30.3	172	-	-	\$1717	-	\$1744
	A6242F	HA42FA	1/2	410	0.58	12797	9882				12.0	169	-	\$1919	\$1894	\$1997	\$1956
	A6242H	HA42HA	3/4	453	0.83	14139	11686	7833			14.4	170	-	\$1876	\$1826	\$1906	\$1976
42"	A6242J	HA42JA	1	500	1.08	15606	13517	10254			17.1	215	-	\$1927	\$1938	\$2071	\$1947
	A6242K	HA42KA	1 1/2	583	1.66	18197	16533	14113			21.1	225	-	\$2234	\$1964	\$2164	\$2070
	A6242M	HA42MA	2	635	2.20	19820	18339	16298	13666		24.8	235	-	-	\$2052	-	\$2078
	A6242O	HA42OA	3	725	3.28	22629	21378	19787	17760	15381	31.8	255	-	-	\$2255	-	\$2401
	A6248H	HA48HA	3/4	395	0.86	17392	14182				15.9	223	-	\$2190	\$2115	\$2248	\$2212
	A6248J	HA48JA	1	420	1.13	18493	15544	10953			16.6	225	-	\$2092	\$2085	\$2272	\$2222
48"	A6248K	HA48KA	1 1/2	485	1.67	21335	18883	15665			23.4	230	-	\$2469	\$2246	\$2340	\$2285
	A6248M	HA48MA	2	535	2.31	23556	20848	18132	14264		26.1	245	-	-	\$2202	-	\$2286
	A6248O	HA48OA	3	610	3.43	26858	24896	22832	20205		35.5	265	-	-	\$2372	-	\$2518
	A6248P	HA48PA	5	690	4.79	30381	28610	26909	24888	22419	53.9	285	-	-	\$2494	-	\$2832
	A6254J	HA54JA	1	301	1.11	21524	17049	8814			12.6	310	-	\$3154	\$3086	\$3242	\$3097
	A6254K	HA54KA	1 1/2	353	1.65	25243	21902	15939			16.2	313	-	\$3330	\$3053	\$3364	\$3175
54"	A6254M	HA54MA	2	383	2.20	27388	24450	19521	12944		18.7	320	-	-	\$3180	-	\$3179
	A6254O	HA54OA	3	437	3.31	31250	28802	25241	20099	14178	23.4	370	-	-	\$3205	-	\$3321
	A6254P	HA54PA	5	527	5.50	37686	35717	33353	30099	25907	31.8	385	-	-	\$3502	-	\$3513
	A6254Q	HA54QA	7 1/2	600	8.13	42906	41174	39308	36932	33896	41.4	455	-	-	\$4477	-	\$4000
60"	A6260K	HA60KA	1 1/2	295	1.64	28923	24368	16985			22.1	395	-	\$3644	\$3407	\$3593	\$3530
	A6260M	HA60MA	2	328	2.20	32158	28269	22401			26.1	400	-	-	\$3434	-	\$3468
	A6260O	HA60OA	3	373	3.29	36570	33294	28826	22824		30.3	450	-	-	\$3454	-	\$3778
	A6260P	HA60PA	5	447	5.50	43825	41170	38024	33975		44.3	465	-	-	\$3750	-	\$3917
	A6260Q	HA60QA	7 1/2	510	8.18	50002	47680	45165	42090	38385	57.2	535	-	-	\$4809	-	\$4451
	A6260R	HA60RA	10	570	11.31	55885	53786	51667	49180	46262	68.5	555	-	-	\$4848	-	\$5545

Power ratings (BHP) do not include drive losses. Performance shown is for installation Type A: Free Inlet, Free Outlet. Performance ratings do not include the effects of appurtenances in the airstream.

FANS LESS MOTOR & DRIVE

EDP Number	Catalog Number	List Price
95100	HA24	\$772
95104	HA30	\$900
95108	HA36	\$1029
95112	HA42	\$1351
95116	HA48	\$1522
95120	HA54	\$2251
95124	HA60	\$2401

WR HEAVY DUTY SHUTTERS

EDP Number	Catalog Number	Shutter Size	List Price	Number of Panels	Motor Kit (# Required for WRHD)
22747	WRHD48	50" x 50"	\$810	2	MK-4620 (2)
22748	WRHD54	56" x 56"	\$1151	2	MK-4620 (3)
22749	WRHD60	62" x 62"	\$1262	3	MK-4620 (3)

SEE PAGE 64 FOR EDP# AND LIST PRICE

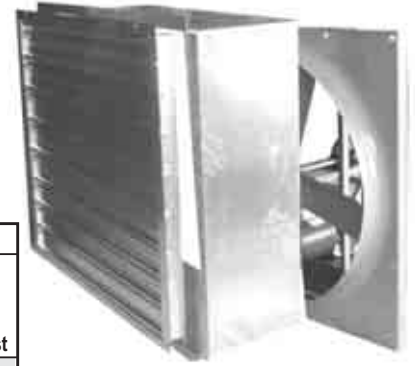
NOTES:

If Motor & Drive to be shipped separately: Use above EDP Numbers and add "K" suffix. Example: A6224C03K

Fans ordered with Explosion Proof Motors will always be shipped mounted. Consult factory for Two Speed Motors, Explosion Proof Motors, Motors requiring Thermal Overload Protection, Dual Belt and Variable Pitch Drives & Cost of Epoxy Coating on Props.

For Supply Duty, add "S" prefix to EDP Number and use list price divided by 0.80.

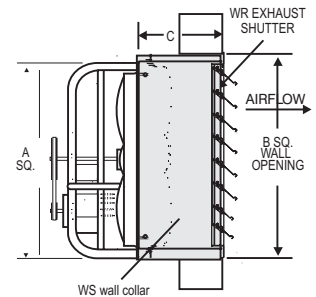
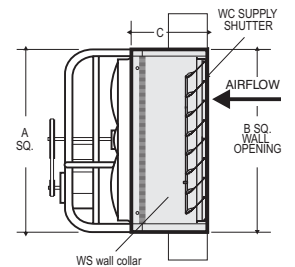




RECOMMENDED OPTIONAL ACCESSORIES (EDP # in Parenthesis)																
Wall Shutters			Safety Guards Prop Side (Front) Motor Side (Rear)▲			WeatherHoods			Wall ▲ Collar							
Exhaust Automatic		Supply Automatic														
See page 53 for Motor Kits.		See page 53 for Motor Kits.														
Cat. #	(EDP#)	List	Cat. #	(EDP#)	Wt List	Cat. #	(EDP#)	Desc.	List	Cat. #	(EDP#)	List				
WR24E	(22795)	\$175	WC24	(22641)	\$186	24FG	(23675)	15	\$145	WH24	(99915)	Hood for 24" Unit	\$612	WS24	(06887)	\$168
						24RG	(23620)	28	\$207							
WR30E	(22805)	\$239	WC30	(22651)	\$262	30FG	(23680)	19	\$176	WH30	(99916)	Hood for 30" Unit	\$717	WS30	(06888)	\$210
						30RG	(23625)	37	\$253							
WR36E	(22815)	\$299	WC36	(22661)	\$347	36FG	(23685)	27	\$228	WH36	(99917)	Hood for 36" Unit	\$794	WS36	(06889)	\$245
						36RG	(23630)	64	\$357							
WR42E	(22825)	\$485	WC42	(22671)	\$488	42FG	(23690)	34	\$273	WH42	(99921)	Hood for 42" Unit	\$1043	WS42	(06890)	\$336
						42RG	(23635)	75	\$430							
WR48E	(22835)	\$566	WC48	(22681)	\$585	48FG	(23695)	40	\$310	WH48	(99923)	Hood for 48" Unit	\$1147	WS48	(06891)	\$372
						48RG	(23640)	85	\$476							
**WR54E	(22845)	\$676	WC54	(22691)	\$753	54FG	(23700)	75	\$341	WH54	(99918)	Hood for 54" Unit	\$1332	WS54	(06892)	\$437
† WRHD54	(22748)	\$1151				54RG	(23645)	92	\$534							
**WR60E	(22855)	\$947	WC60	(22701)	\$932	60FG	(23705)	90	\$412	WH60	(99919)	Hood for 60" Unit	\$1464	WS60	(06893)	\$516
† WRHD60	(22749)	\$1262				60RG	(23650)	102	\$606							

Wall Collars

- Reduces Installation Time
- For Use On All Belt Drive and Direct Drive Fans



WALL COLLAR DIMENSIONS

Size	A Sq.	B Sq.	C
24"	30	31	14
30"	36	37	14½
36"	42	43	17
42"	48	49	19
48"	54	55	21
54"	60	61	23
60"	66	67	25

*Motor kits for motorized wall louvers, see page 64. See page 40 for prop (front) and motor (rear) side guard dimensions.

NOTE: When a WRE or WC shutter is used for exhaust or supply and mounted remote from the fan, a WS Wall Collar is not needed.

The shutter is installed directly on the wall and a Motor Actuator Kit must be utilized.

▲ Wall Collar and/or Guard shipped unassembled for ease of handling.

WS Wall Collars are shipped knocked down. WC Supply Shutters are not weather resistant. It is recommended that the WC be used with a weatherhood. For Weatherhood dimensions see page 40. WR48E & WR54E are two panel construction. WR60E is three panel.

HA DIMENSIONS

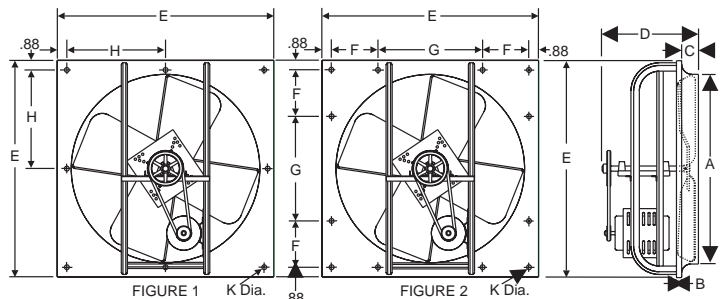
Model	See Figure	A	B	C	D	E	F	G	H	K	No. Holes
HA24	1	24-7/16	1	2-1/2	15-3/16	30	-	-	14-1/8	5/8	8
HA30	1	30-1/2	1	2-5/8	18-5/8	36	-	-	17-1/8	5/8	8
HA36	1	36-1/2	1-1/2	3-1/4	19-1/8	42	-	-	20-1/8	5/8	8
HA42	2	42-1/2	2	3-1/4	23-3/4	48	14	18-1/4	-	5/8	12
HA48	2	48-1/2	2	3-1/4	24-7/8	54	17	18-1/4	-	5/8	12
HA54	2	54-1/2	2	3-1/4	23-7/16	60	20	18-1/4	-	5/8	12
HA60	2	60-1/2	2	3-1/4	23-7/16	66	23	18-1/4	-	5/8	12

NOTES:

If used for Intake, a Motor Actuator Kit must be utilized with shutter.

See page 39 for WRE and WC shutter selection/installation information, ship weights and cautions..

† WHRD Heavy Duty Shutter to be used with 7-1/2 and 10 HP fans. See page 37 for WRHD Heavy Duty Shutter information.





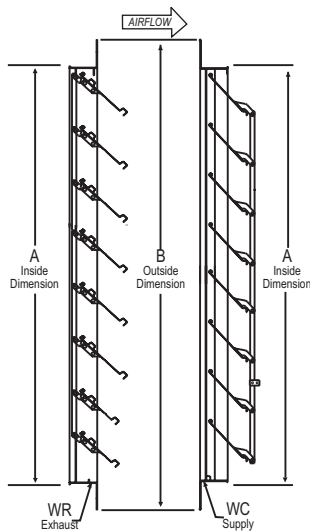
WRE & WC SHUTTERS

FEATURES

Indoor / Outdoor, Wall / Ceiling Mounts
 Opens with Fan Pressure
 Gravity Closes When Fan is Turned Off

ALUMINUM EXHAUST & SUPPLY SHUTTERS

EDP Number	Catalog Number	For Fans Diameter	Type	Inside	Outside	Req. Open. (Sq. In.)	No. Holes 17/64" Dia.	Sections	Ship Wt.	List Price	Motor Kits
22753	WR9E	10"	EXHAUST	10" SQ.	13" SQ.	10 3/4"	8	1	3	\$90	
22750	WR10E	10"	EXHAUST	12" SQ.	15" SQ.	12 3/4"	8	1	3	\$90	
22765	WR12E	12"	EXHAUST	14" SQ.	17" SQ.	14 3/4"	8	1	4	\$96	
22775	WR16E	16"	EXHAUST	18" SQ.	21" SQ.	18 3/4"	12	1	5	\$122	
22785	WR18E	18"	EXHAUST	20" SQ.	23" SQ.	20 3/4"	12	1	5	\$131	
22795	WR24E	24"	EXHAUST	26" SQ.	29" SQ.	26 3/4"	12	1	8	\$175	MK-4620
22805	WR30E	30"	EXHAUST	32" SQ.	35" SQ.	32 3/4"	16	1	12	\$239	
22815	WR36E	36"	EXHAUST	38" SQ.	41" SQ.	38 3/4"	16	1	15	\$299	
22825	WR42E	42"	EXHAUST	44" SQ.	47" SQ.	44 3/4"	20	2	20	\$485	MK-4621
22835	WR48E	48"	EXHAUST	50" SQ.	53" SQ.	50 3/4"	20	2	23	\$566	MK-4620 (2 Req)
22845	WR54E	54"	EXHAUST	56" SQ.	59" SQ.	56 3/4"	24	2	27	\$676	
22855	WR60E	60"	EXHAUST	62" SQ.	65" SQ.	62 3/4"	24	3	30	\$947	MK-4620 (3 Req)
22754	WC9	10"	SUPPLY	10" SQ.	13" SQ.	10 3/4"	8	1	3	\$110	
22755	WC10	10"	SUPPLY	12" SQ.	15" SQ.	12 3/4"	8	1	4	\$119	
22611	WC12	12"	SUPPLY	14" SQ.	17" SQ.	14 3/4"	8	1	4	\$119	
22621	WC16	16"	SUPPLY	18" SQ.	21" SQ.	18 3/4"	12	1	5	\$124	
22631	WC18	18"	SUPPLY	20" SQ.	23" SQ.	20 3/4"	12	1	7	\$148	MK-5047
22641	WC24	24"	SUPPLY	26" SQ.	29" SQ.	26 3/4"	12	1	9	\$186	
22651	WC30	30"	SUPPLY	32" SQ.	35" SQ.	32 3/4"	16	1	12	\$262	
22661	WC36	36"	SUPPLY	38" SQ.	41" SQ.	38 3/4"	16	1	17	\$347	
22671	WC42	42"	SUPPLY	44" SQ.	47" SQ.	44 3/4"	20	2	22	\$488	MK-4782
22681	WC48	48"	SUPPLY	50" SQ.	53" SQ.	50 3/4"	20	2	25	\$585	
22691	WC54	54"	SUPPLY	56" SQ.	59" SQ.	56 3/4"	24	2	28	\$753	MK-5047 (2 Req)
22701	WC60	60"	SUPPLY	62" SQ.	65" SQ.	62 3/4"	24	3	31	\$932	MK-5047 (3 Req)



See page 64 for pricing of optional motor conversion kits. WR48E - WR54E are two panel construction. WR60E is three panel. If used for Supply Duty, a Motor Actuator Kit must be utilized with shutter. **WRE & WC SELECTION / INSTALLATION INFORMATION AND CAUTIONS:** The velocity profile near the fan blade tips (spot velocity) is non-uniform and will vary by fan model. This spot velocity condition can damage a backdraft damper if it exceeds the maximum recommended backdraft damper velocity. For this reason, it is recommended that the backdraft damper be mounted a minimum of 1/3 the fan diameter away from the fan outlet. It is a good practice to contact the factory when applications have a velocity approaching the maximum allowed or when the fan motor horsepower is 7-1/2 and above, or when the fan spot velocity is in excess of the backdraft dampers' maximum velocity. See page 37 for WRHD Heavy Duty Shutter information.

Note: When a WR-E or WC Shutter is used for exhaust or supply and mounted remote from the fan, a WS Wall Collar is not needed. The shutter is installed directly on the wall and a Motor Actuator Kit must be utilized.

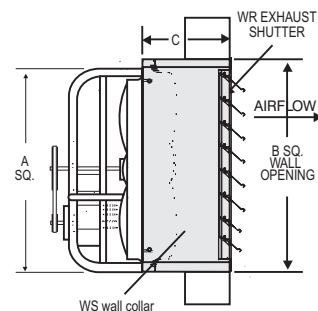
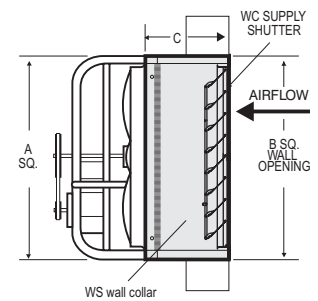
WS WALL COLLARS

DIMENSIONS

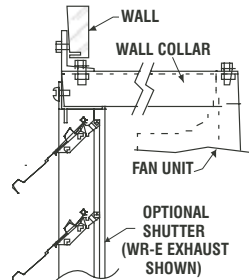
Prop Dia.	A Sq.	B Wall Opening	C	Wall Collar	Ship Wt.	Exhaust Shutter	Supply Shutter	Safety Motor Side (Rear) Guard*
10 EPR	14	15	12	WS10	11	WR9E	WC9	N/R
12	16	17	12	WS12	13	WR10E	WC10	12RG
16 EPR	20	21	12	WS16E	16	WR12E	WC12	N/R
16	22	23	12	WS18E	18	WR16E	WC16	16RG
18 EPR	22	23	12	WS18E	18	WR16E	WC16	N/R
18	24	25	12	WS18	19	WR18E	WC18	18RG
24	30	31	14	WS24	28	WR24E	WC24	24RG
30	36	37	14 1/2	WS30	46	WR30E	WC30	30RG
36	42	43	17	WS36	63	WR36E	WC36	36RG
42	48	49	19	WS42	98	WR42E	WC42	42RG
48	54	55	21	WS48	122	WR48E	WC48	48RG
54	60	61	23	WS54	149	WR54E	WC54	54RG
60	66	67	25	WS60	178	WR60E	WC60	60RG

*Safety motor side (rear) guards are standard on all EPR, and 18" & 24" PD series fans. See page 40 for motor (rear) side guard dimensions.

NOTES:
 WS wall collars are shipped knocked down. Fan not included with WS wall collars.
 Wall collars are galvanized.



WALL COLLAR INSTALLATION DETAIL



FEATURES

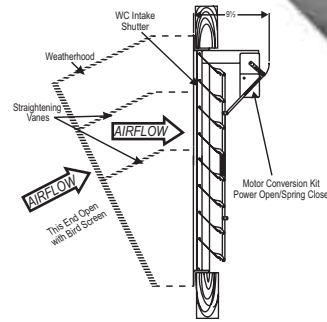
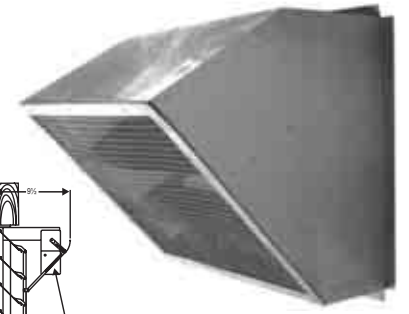
- Galvanized
- All Steel Construction
- Bird Screen
- Turning Vanes

Dimensions

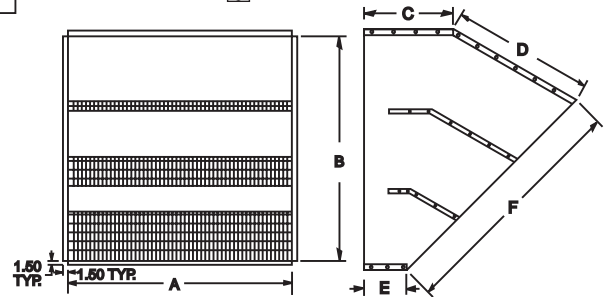
Cat. No.	A	B	C	D	E	F
WH24	30.50	30.50	15.29	18.06	9.43	30.50
WH30	36.50	36.50	18.30	21.62	11.28	36.50
WH36	42.50	42.50	21.31	25.17	13.14	42.50
WH42	48	48	19.42	28.43	10.19	48
WH48	54	54	21.04	31.98	10.65	54
WH54	60	60	22.88	35.54	11.34	60
WH60	66	66	24.04	38.59	11	66

Size	EDP#	Cat. No.	List
Hood for 24" Unit	99915	WH24	\$612
Hood for 30" Unit	99916	WH30	\$717
Hood for 36" Unit	99917	WH36	\$794
Hood for 42" Unit	99921	WH42	\$1043
Hood for 48" Unit	99923	WH48	\$1147
Hood for 54" Unit	99918	WH54	\$1332
Hood for 60" Unit	99919	WH60	\$1464

Used on 24" - 60" propeller wall fans.



Weatherhoods shipped knocked down for field assembly

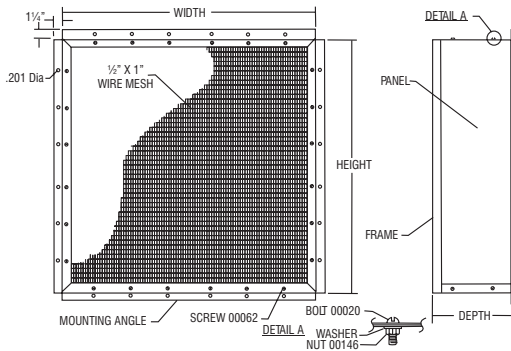


FEATURES

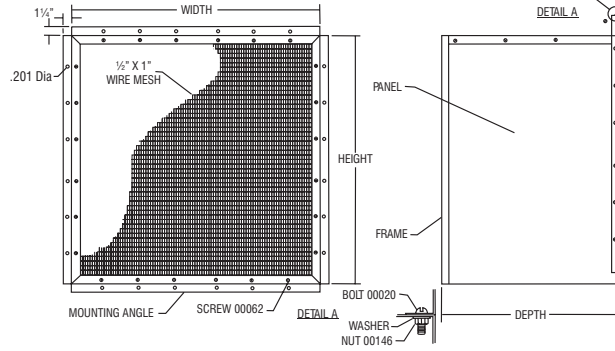
- Galvanized construction
- Removable mounting flanges on RG rear guard
- Shipped knocked down
- Easy to assemble
- 1/2" X 1" Wire Mesh Guard

FG & RG GUARDS

FG Front Guard



RG Rear Guard



Model	Height	Width	Depth	No. of Mounting Holes	Ship Weight
12FG	13.75	13.75	6	16	8
16FG	19.75	19.75	6	16	10
18FG	21.75	21.75	6	16	11
24FG	27.75	27.75	6	16	14
30FG	33.75	33.75	6	16	17
36FG	39.75	39.75	6	24	20
42FG	45.75	45.75	6	24	24
48FG	51.75	51.75	6	24	30
54FG	57.75	57.75	6	24	33
60FG	63.75	63.75	6	24	38

Model	Height	Width	Depth	Frame Material	No. of Mounting Holes	Ship Weight
12RG	16.25	16.25	16	20 Ga.	16	14
16RG	22.25	22.25	16	20 Ga.	16	17
18RG	24.25	25.25	16	20 Ga.	16	19
24RG	30.54	30.54	25	20 Ga.	16	42
30RG	36.54	36.54	25	18 Ga.	16	53
36RG	42.57	42.57	28	18 Ga.	24	81
42RG	48.57	48.57	34.5	18 Ga.	24	112
48RG	54.57	54.57	36.5	18 Ga.	24	122
54RG	60.57	60.57	42.5	18 Ga.	24	335
60RG	66.57	66.57	44.5	18 Ga.	24	348



DIRECT DRIVE FANS

TUBE AXIAL

MODEL PLDA



FEATURES

- Fan Easily Mounts In Round Duct
- Ball Bearing, Standard NEMA Frame Motors
- Spark Resistant Cast Aluminum Propellers



DIRECT DRIVE PERFORMANCE / PRICING

Prop Dia.	Model No.	HP	Fan RPM	Capacity (CFM) @ "SP						EDP No.	Open Drip Proof Single Speed		
				0"	1/8"	1/4"	3/8"	1/2"	3/4"		1 Phase 115/230V	EDP No.	3 Phase 230/460V
12"	PLDA12FZ	1/2	3450	1875	1650	1400	1320	1250	1100	32000	\$1594	32001	\$1577
	PLDA12HZ	3/4	3450	2044	1960	1920	1820	1650	1500	32006	\$1647	32007	\$1654
18"	PLDA18CA	1/4	1725	3450	3050	2500	1200			32012	\$1756	32013	\$1705
	PLDA18DA	1/3	1725	3315	3000	2600	2000	1400		32018	\$1838	32019	\$1818
	PLDA18JA	1	1725	4600	4375	4080	3600	3000	2100	32024	\$2435	32025	\$2230
24"	PLDA24CA	1/4	1725	5200	4200	2820	1050			32030	\$1927	32031	\$1889
	PLDA24DC	1/3	1140	4975	4690	4250	3920	2850		32036	\$2600	32037	\$2495
	PLDA24FA	1/2	1725	6510	5880	5200	4150	3100	1800	32042	\$2203	32043	\$2191
	PLDA24HC	3/4	1140	6900	6450	6265	5600	3300		32048	\$3301	32049	\$2762
	PLDA24JA	1	1725	7425	7000	6350	5850	5000	3300	32055	\$2629	32056	\$2428
	PLDA24OA	3	1725	10500	9800	9500	9100	8700	7800	-	-	32061	\$2882
27"	PLDA27FA	1/2	1725	7550	6829	6000	5100	4000	2000	32064	\$2401	32065	\$2374
	PLDA27JA	1	1725	9600	9000	8400	7775	7050	4800	32071	\$2776	32072	\$2583
	PLDA27MA	2	1725	11500	11200	10700	10000	9300	8000	32077	\$3799	32078	\$2788
30"	PLDA30FA	1/2	1725	8980	7650	6300	5400	4350	2300	32083	\$2554	32084	\$2606
	PLDA30HC	3/4	1140	10440	9750	8750	7640	600		32089	\$3571	32090	\$3018
	PLDA30MA	2	1725	12000	11250	10450	9600	8700	6000	32095	\$3612	32096	\$3080
	PLDA30MC	2	1140	14000	13750	12900	11850	10450	2500	-	-	32101	\$3547
	PLDA30OA	3	1725	16000	15350	14700	13850	12900	10200	-	-	32104	\$3141
34"	PLDA34KA	1-1/2	1725	13350	12100	10000	9100	7300		32107	\$3559	32108	\$3257
	PLDA34MA	2	1725	14850	13600	12100	10450	8800	4000	32113	\$3971	32114	\$3492
	PLDA34MC	2	1140	15950	15100	13800	12500	11400		-	-	32119	\$3765
	PLDA34OC	3	1140	19300	18290	17230	16000	14800	11614	-	-	32122	\$4442
42"	PLDA42JD	1	870	15800	15200	13480	12310	5800	900	-	-	32125	\$4766
	PLDA42MC	2	1140	17964	17277	15326	13990	12351	7600	-	-	32127	\$4481
	PLDA42MD	2	870	22040	21000	20500	18500	15000	6000	-	-	32130	\$5351
	PLDA42PC	5	1140	28970	27960	26840	25700	24200	19500	-	-	32132	\$5465
48"	PLDA48OC	3	1140	28600	26500	24400	22000	20000	15900	-	-	32135	\$5961
	PLDA48OD	3	870	28700	26500	24200	21600	18500	10000	-	-	32137	\$6880
	PLDA48PD	5	870	33000	31500	29750	27650	25300	18000	-	-	32139	\$7895

PLDA TUBE AXIAL ACCESSORIES

Prop Dia.	EDP Number	Matching Flange (1 ea.)	EDP Number	Access Door	EDP Number	Guard (each)	EDP Number	Epoxy Coating	EDP Number	Cont. Weld of Flange to Drum
12"	32141	\$78	32142	\$348	32143	\$290	32144	\$682	32145	\$85
18"	32146	\$106	32147	\$368	32148	\$289	32149	\$841	32151	\$99
24"	32152	\$138	32153	\$375	32154	\$322	32155	\$1057	32156	\$111
27"	32157	\$145	32158	\$454	32159	\$322	32160	\$1202	32161	\$145
30"	32162	\$157	32163	\$467	32164	\$322	32165	\$1320	32166	\$171
34"	32167	\$177	32168	\$474	32169	\$322	32171	\$1490	32172	\$184
42"	32173	\$191	32174	\$505	32175	\$368	32176	\$1746	32177	\$203
48"	32178	\$217	32179	\$529	32180	\$433	32181	\$2029	32182	\$223



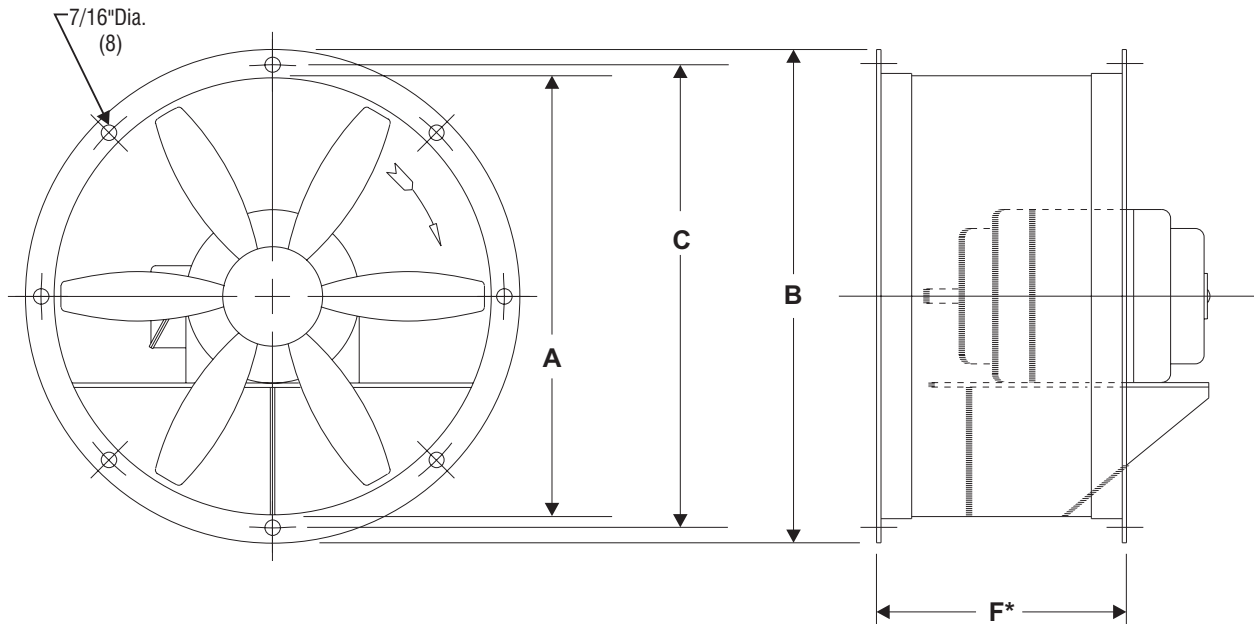
PRICING (CONT.)

Model No.	Totally Enclosed Single Speed				Explosion Proof Single Speed				Approx. Ship. Wt.
	EDP No.	1 Phase 115/230V	EDP No.	3 Phase 230/460V	EDP No.	1 Phase 115/230V	EDP No.	3 Phase 230/460V	
PLDA12FZ	32002	\$1594	32003	\$1620	32004	\$2191	32005	\$2200	41
PLDA12HZ	32008	\$1671	32009	\$1680	32010	\$2404	32011	\$2421	50
PLDA18CA	32014	\$1765	32015	\$1739	32016	\$2268	32017	\$2217	60
PLDA18DA	32020	\$1864	32021	\$1845	32022	\$2527	32023	\$2363	90
PLDA18JA	32026	\$2459	32027	\$2259	32028	\$3194	32029	\$3163	100
PLDA24CA	32032	\$1944	32033	\$1913	32034	\$2452	32035	\$2387	96
PLDA24DC	32038	\$2619	32039	\$2527	32040	\$3269	32041	\$3531	100
PLDA24FA	32044	\$2234	32045	\$2217	32046	\$2912	32047	\$3057	114
PLDA24HC	32051	\$3300	32052	\$2797	32053	\$3850	32054	\$3830	120
PLDA24JA	32057	\$2657	32058	\$2459	32059	\$3386	32060	\$3346	150
PLDA24OA	-	-	32062	\$2921	-	-	32063	\$3932	190
PLDA27FA	32066	\$2430	32067	\$2401	32068	\$3103	32069	\$3308	122
PLDA27JA	32073	\$2797	32074	\$2617	32075	\$3530	32076	\$3509	152
PLDA27MA	32079	\$3811	32080	\$2822	32081	\$5908	32082	\$3857	175
PLDA30FA	32085	\$2587	32086	\$2633	32087	\$3250	32088	\$3393	128
PLDA30HC	32091	\$3567	32092	\$3052	32093	\$4101	32094	\$4113	185
PLDA30MA	32097	\$3612	32098	\$3080	32099	\$6296	32100	\$3814	180
PLDA30MC	-	-	32102	\$3564	-	-	32103	\$4573	180
PLDA30OA	-	-	32105	\$3180	-	-	32106	\$4186	200
PLDA34KA	32109	\$3571	32110	\$3269	32111	\$5883	32112	\$4162	190
PLDA34MA	32115	\$3985	32116	\$3525	32117	\$6388	32118	\$4358	200
PLDA34MC	-	-	32120	\$3777	-	-	32121	\$4822	200
PLDA34OC	-	-	32123	\$4454	-	-	32124	\$6019	250
PLDA42JD	-	-	32126	\$4766	-	-	-	-	260
PLDA42MC	-	-	32128	\$4493	-	-	32129	\$5448	252
PLDA42MD	-	-	32131	\$5515	-	-	-	-	260
PLDA42PC	-	-	32133	\$5491	-	-	32134	\$7119	300
PLDA48OC	-	-	32136	\$5975	-	-	-	-	290
PLDA48OD	-	-	32138	\$6875	-	-	-	-	290
PLDA48PD	-	-	32140	\$7895	-	-	-	-	310

PLDA DIMENSIONS

Prop Dia.	A	B	C	F*
12"	12	14	13	14
18"	18	20	19	14
24"	24	27	25-5/8	18
27"	27	30	28-5/8	18
30"	30	33	31-5/8	18
34"	34	37	35-5/8	18
42"	42	45	43-5/8	18
48"	48	51	49-5/8	18

*Approx. - Dim. varies with motor.



BELT DRIVE FANS TUBE AXIAL MODEL PLDXA



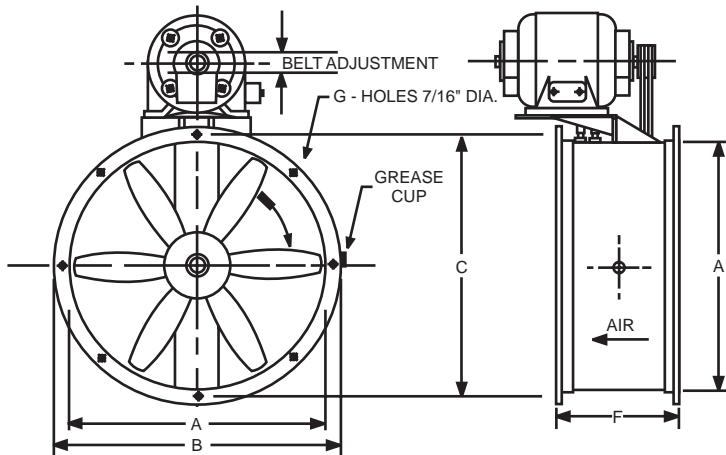
FEATURES

- Fan Easily Mounts In Round Duct
- Air Tight Cylinder Protects Belts, Bearings & Pulleys from Contaminated Air
- Adjustable Motor Base
- Spark Resistant Cast Aluminum Propellers



BELT DRIVE PERFORMANCE / PRICING

Prop Dia.	Model No.	HP	Fan RPM	Capacity (CFM) @ "SP						Open Drip Proof Single Speed			
				0"	1/8"	1/4"	3/8"	1/2"	3/4"	EDP No.	1 Phase 115/230V	EDP No.	3 Phase 230/460V
12"	PLDXA12CA	1/4	2625	1444	1307	1033	638	380		32183	\$2196	32184	\$2189
	PLDXA12FA	1/2	3450	1875	1650	1400	1320	1250	1100	32189	\$2203	32190	\$2251
	PLDXA12HA	3/4	3450	2044	1960	1920	1820	1650	1500	32195	\$2316	32196	\$2464
15"	PLDXA15CA	1/4	2000	2600	2100	1700				32201	\$2428	32202	\$2421
	PLDXA15DA	1/3	2200	2950	2500	2100	1760	1000		32207	\$2447	32208	\$2490
	PLDXA15FA	1/2	1890	3350	3000	2650	2200	1500		32213	\$2558	32214	\$2592
	PLDXA15HA	3/4	2200	3900	3700	3400	3100	2700	1150	32219	\$2848	32220	\$2831
18"	PLDXA18CA	1/4	1600	3050	2500	2000	1200			32225	\$2566	32226	\$2563
	PLDXA18DA	1/3	1725	3375	3000	2600	2000	1400		32231	\$2578	32232	\$2617
	PLDXA18FA	1/2	1890	3850	3500	3100	2500	2000		32237	\$2684	32238	\$2715
	PLDXA18JA	1	1725	4600	4375	4080	3600	3000	2100	32243	\$3300	32244	\$3138
	PLDXA18KA	1-1/2	1990	5350	5060	4830	4550	3950	3000	32249	\$3496	32250	\$3226
24"	PLDXA24FA	1/2	1298	5643	5320	4826	4440	3500		32255	\$2907	32256	\$2947
	PLDXA24HA	3/4	1600	6906	6510	5900	5440	4650	2750	32261	\$3168	32262	\$3163
	PLDXA24JA	1	1725	7425	7000	6350	5850	5000	3300	32267	\$3424	32268	\$3260
	PLDXA24KA	1-1/2	1540	8200	7900	7650	7280	6850	5500	32273	\$4314	32274	\$4075
	PLDXA24MA	2	1600	9760	9114	8830	8460	8090	7000	32279	\$4652	32280	\$4178
	PLDXA24OA	3	1725	10500	9800	9500	9100	8700	7800	-	-	32285	\$4348
27"	PLDXA27HA	3/4	1250	8330	7814	7550	7070	6500	4650	32288	\$4024	32289	\$4041
	PLDXA27JA	1	1400	9400	8675	8480	7950	7300	5200	32294	\$4280	32295	\$4144
	PLDXA27KA	1-1/2	1600	10700	10250	9700	9080	8375	6000	32300	\$4519	32301	\$4280
	PLDXA27MA	2	1350	11500	11200	10700	10000	9300	8000	32306	\$4902	32307	\$4433
30"	PLDXA30FA	1/2	1140	8900	7925	6660	4270	2300		32312	\$3970	32313	\$4050
	PLDXA30JA	1	1298	9896	8970	7980	6050	4120		32318	\$4423	32319	\$4283
	PLDXA30KA	1-1/2	1035	11100	10600	9700	8600	7500	3500	32324	\$4829	32325	\$4604
	PLDXA30MA	2	1176	12100	11660	11000	10121	9322	6700	32330	\$5170	32331	\$4710
	PLDXA30OA	3	1350	13480	12982	12498	12042	11465	10380	-	-	32336	\$4868
34"	PLDXA34KA	1-1/2	1170	13695	12400	11100	8365	6000	1050	32339	\$5073	32340	\$4851
	PLDXA34MA	2	1027	14657	13652	12590	11500	10000	8000	32345	\$5576	32346	\$5133
	PLDXA34OA	3	1175	17580	16750	15896	14600	14095	12000	-	-	32353	\$5260
42"	PLDXA42KA	1-1/2	750	18960	17000	14662	11700	7200		32356	\$6045	32357	\$5842
	PLDXA42MA	2	820	20700	18900	17002	14700	11400	4000	32362	\$6343	32363	\$5937
	PLDXA42OA	3	890	23700	22100	20200	18960	16970	9950	-	-	32368	\$6096
	PLDXA42PA	5	850	26900	25600	24403	23450	22250	18400	-	-	32373	\$6449
48"	PLDXA48PA	5	800	33000	31000	29400	27500	25670	20700	-	-	32376	\$9208
	PLDXA48QA	7-1/2	900	37500	35900	34500	32800	31200	27700	-	-	32379	\$9767
	PLDXA48RA	10	1000	41200	39700	38300	36900	35400	32400	-	-	32382	\$10,240



PLDXA DIMENSIONS

Prop Dia.	A	B	C	F
12	12	14	13	12
15	15	17	16	12
18	18	20	19	12
24	24	27	25-5/8	12
				16*
27	27	30	28-5/8	12
				16**
30	30	33	31-5/8	12
				16**
34	34	37	35-5/8	16
42	42	45	43-5/8	18
48	48	51	49-5/8	24

*2 HP & UP **1-1/2 HP & UP



PRICING (CONT.)

Model No.	Totally Enclosed Single Speed				Explosion Proof Single Speed				Approx. Ship. Wt.
	EDP No.	1 Phase 115/230V	EDP No.	3 Phase 230/460V	EDP No.	1 Phase 115/230V	EDP No.	3 Phase 230/460V	
PLDXA12CA	32185	\$2208	32186	\$2217	32187	\$2617	32188	\$2779	68
PLDXA12FA	32191	\$2208	32192	\$2282	32193	\$2677	32194	\$3061	72
PLDXA12HA	32197	\$2316	32198	\$2473	32199	\$2848	32200	\$3192	76
PLDXA15CA	32203	\$2438	32204	\$2447	32205	\$2848	32206	\$3018	73
PLDXA15DA	32209	\$2452	32210	\$2515	32211	\$3107	32212	\$3352	75
PLDXA15FA	32215	\$2565	32216	\$2617	32217	\$3233	32218	\$3451	80
PLDXA15HA	32221	\$2854	32222	\$2834	32223	\$3513	32224	\$3509	95
PLDXA18CA	32227	\$2575	32228	\$2592	32229	\$2976	32230	\$3163	80
PLDXA18DA	32233	\$2583	32234	\$2650	32235	\$3240	32236	\$3479	85
PLDXA18FA	32239	\$2686	32240	\$2742	32241	\$3359	32242	\$3574	95
PLDXA18JA	32245	\$3300	32246	\$3161	32247	\$3982	32248	\$3997	115
PLDXA18KA	32251	\$3516	32252	\$3255	32253	\$5695	32254	\$4120	125
PLDXA24FA	32257	\$2912	32258	\$2970	32259	\$3581	32260	\$3806	125
PLDXA24HA	32263	\$3175	32264	\$3163	32265	\$3826	32266	\$3912	130
PLDXA24JA	32269	\$3424	32270	\$3282	32271	\$4113	32272	\$4127	145
PLDXA24KA	32275	\$4335	32276	\$4101	32277	\$6522	32278	\$4974	150
PLDXA24MA	32281	\$4652	32282	\$4203	32283	\$7540	32284	\$5124	170
PLDXA24OA	-	-	32286	\$4374	-	-	32287	\$5405	185
PLDXA27HA	32290	\$4036	32291	\$4041	32292	\$4682	32293	\$4792	135
PLDXA27JA	32296	\$4283	32297	\$4174	32298	\$4972	32299	\$5013	155
PLDXA27KA	32302	\$4539	32303	\$4306	32304	\$6718	32305	\$5177	160
PLDXA27MA	32308	\$4911	32309	\$4464	32310	\$7796	32311	\$5388	210
PLDXA30FA	32314	\$3976	32315	\$4075	32316	\$4647	32317	\$4908	118
PLDXA30JA	32320	\$4423	32321	\$4311	32322	\$5112	32323	\$5170	140
PLDXA30KA	32326	\$4850	32327	\$4630	32328	\$7042	32329	\$5499	165
PLDXA30MA	32332	\$5170	32333	\$4737	32334	\$8057	32335	\$5658	200
PLDXA30OA	-	-	32337	\$4885	-	-	32338	\$5920	215
PLDXA34KA	32341	\$5090	32342	\$4877	32343	\$7278	32344	\$5750	175
PLDXA34MA	32347	\$5576	32348	\$5158	32349	\$8471	32352	\$6084	210
PLDXA34OA	-	-	32354	\$5286	-	-	32355	\$6321	275
PLDXA42KA	32358	\$6062	32359	\$5866	32360	\$8256	32361	\$6751	250
PLDXA42MA	32364	\$6343	32365	\$5944	32366	\$9234	32367	\$6865	260
PLDXA42OA	-	-	32369	\$6122	-	-	32372	\$7155	275
PLDXA42PA	-	-	32374	\$6483	-	-	32375	\$7724	325
PLDXA48PA	-	-	32377	\$9242	-	-	32378	\$10,482	375
PLDXA48QA	-	-	32380	\$9791	-	-	32381	\$11,367	430
PLDXA48RA	-	-	32383	\$10,291	-	-	32384	\$11,911	520

WEATHER COVER FOR MOTOR AND DRIVE

Size	EDP #	HP	List
12" - 42"	88202	Up to 1.5	\$401
24" - 48"	88203	2 - 5	\$505
42" - 48"	88205	7.5 & Up	\$624

PLDXA TUBE AXIAL ACCESSORIES

Prop Dia.	EDP No.	Matching Flange (1 ea.)	EDP No.	Access Door	EDP No.	Inlet/Outlet Guard	EDP No.	Belt Drive Guard (OSHA)	EDP No.	Epoxy Coating	EDP No.	Cont. Weld of Flange to Drum
12"	32385	\$78	32386	\$348	32387	\$138	32388	\$290	32389	\$682	32391	\$85
15"	32392	\$92	32393	\$355	32394	\$138	32395	\$290	32396	\$762	32397	\$92
18"	32398	\$106	32399	\$368	32400	\$138	32401	\$290	32402	\$841	32403	\$99
24"	32404	\$138	32405	\$375	32406	\$152	32407	\$322	32408	\$1057	32409	\$111
27"	32412	\$145	32413	\$454	32414	\$191	32415	\$322	32416	\$1202	32417	\$145
30"	32418	\$157	32419	\$467	32420	\$191	32421	\$322	32422	\$1320	32423	\$171
34"	32424	\$177	32425	\$474	32426	\$242	32427	\$322	32428	\$1490	32429	\$184
42"	32431	\$191	32432	\$505	32433	\$276	32434	\$368	32435	\$1746	32436	\$203
48"	32437	\$217	32438	\$529	32439	\$361	32440	\$433	32441	\$2029	32442	\$223



DIRECT DRIVE UPBLAST PROPELLER ROOF VENTILATORS MODEL UP



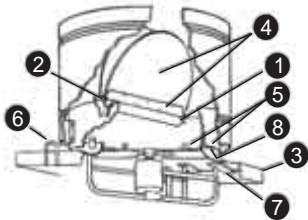
FEATURES

- Ideal for General Ventilation
- Discharges Heat, Fumes, Moisture High Above Roof
- Totally Enclosed Motors
- Includes Magnetic Latches on Dampers That Minimize Flutter When Fan Is Not in Operation

DIRECT DRIVE PERFORMANCE

Prop Dia.	HP	RPM	0" SP CFM	1/8" CFM	1/4" CFM	0" BHP
18"	1/2	1750	3853	3550	3215	0.57
24"	1/3	1150	4495	3948	-	0.36
	1	1750	6847	6482	6126	0.94
30"	3/4	1150	9802	8885	7597	0.64
	2	1750	14910	14368	13752	2.25
36"	1	1150	10194	8961	-	0.70
	3	1750	15500	14640	13840	2.45
42"	1	850	14640	13222	11985	0.94
	2	1150	19824	18800	17740	2.35
	5	1150	26150	25120	24040	4.35
48"	2	850	21840	20200	18400	1.76
	5	1150	29500	28300	27100	4.58
60"	3	850	32200	29775	27550	2.30

CONSTRUCTION FEATURES



1. Weatherproof streamlined drain trough.
2. Rigid bearing bracket with oilite damper bearings.
3. Leak proof base, no bolt holes.
4. Aluminum dampers with reinforced center strip.
5. All metal assembly for permanent alignment and rattle free operation.
6. Lifting lugs on large units to facilitate installation.
7. Welded base and hanger assembly.
8. Internal condensation drain.

DIRECT DRIVE

Prop Dia.	EDP Number	Catalog Number	Motor HP	Ship Wt.	List Price	
					1PH 115/230V	3PH 230/460V
18"	30250	UP18H-G3	1/2 (TE)	165	\$2174	-
	30400	UP18H-G8	1/2 (TE)	165	-	\$2136
24"	30260	UP24H-F3	1/3 (TE)	290	\$2569	-
	30270	UP24H-I3	1 (TE)	290	\$2452	-
	30410	UP24H-F8	1/3 (TE)	230	-	\$3517
	30420	UP24H-I8	1 (TE)	230	-	\$2458
30"	30280	UP30H-H3	3/4 (TE)	290	\$2367	-
	30430	UP30H-H8	3/4 (TE)	290	-	\$3181
	30440	UP30H-K8	2 (TE)	290	-	\$3198
36"	30450	UP36H-I8	1 (TE)	350	-	\$3730
	30460	UP36H-L8	3 (TE)	350	-	\$3925
42"	30470	UP42H-I8	1 (TE)	500	-	\$5215
	30480	UP42H-K8	2 (TE)	500	-	\$4814
48"	30490	UP42H-M8	5 (TE)	500	-	\$5264
	30500	UP48H-K8	2 (TE)	575	-	\$6683
60"	30510	UP48H-M8	5 (TE)	575	-	\$6054
	30520	UP60H-L8	3 (TE)	775	-	\$8244

ROOF CURBS FOR UP & UPB SERIES

Prop Dia.	EDP Number	Catalog Number	Description	List Price
18"	31050	PACN31.5-8	31½" x 31½" x 8" Insulated steel curb	\$249
24"	31055	PACN37.5-8	37½" x 37½" x 8" Insulated steel curb	\$296
30"	31060	PACN43.5-8	43½" x 43½" x 8" Insulated steel curb	\$343
36"	31065	PACN49.5-8	49½" x 49½" x 8" Insulated steel curb	\$392
42"	31070	PACN55.5-8	55½" x 55½" x 8" Insulated steel curb	\$463
48"	31075	PACN61.5-8	61½" x 61½" x 8" Insulated steel curb	\$486
60"	31080	PACN73.5-8	73½" x 73½" x 8" Insulated steel curb	\$581

PACN Curbs do not have Damper Shelf.

NOTES:

For dimensional data, see page 46.

Speed (RPM) is nominal. Performance is based on actual speed of test. Performance shown is for installation Type A: Free Inlet, Free Outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power ratings (BHP) do not include drive losses.

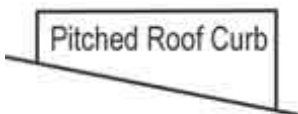
Pitched and Peaked Curbs available.

For Pitched Roof Curb price, multiply flat roof curb price by 1.67.

For Peaked Roof Curb price, multiply flat roof curb price by 2.22.

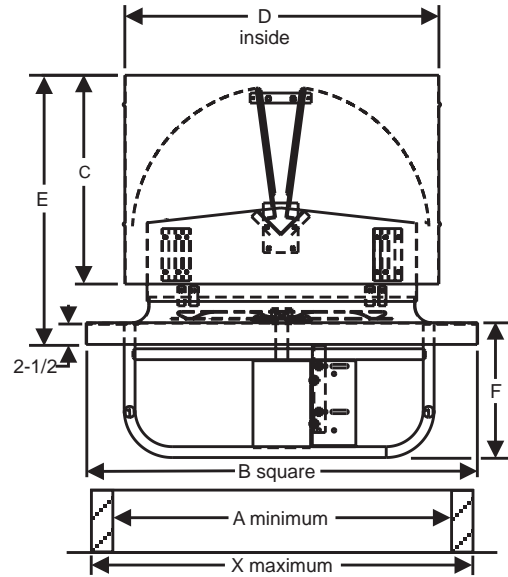
For pricing of Pitched or Peaked Roof Curbs greater than 8" in height, consult factory.

Please specify Pitched or Peaked when ordering.

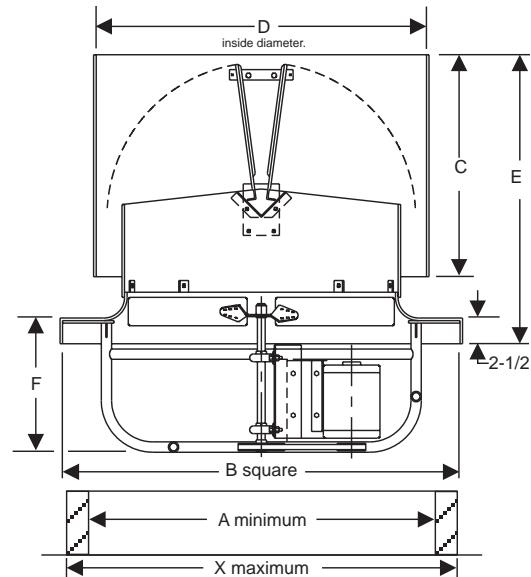


BELT DRIVE PERFORMANCE

Prop Dia.	HP	RPM	0" SP CFM	1/8" CFM	1/4" CFM	0" BHP
24"	1/2	985	5652	4967	4152	0.57
	3/4	1133	6501	5940	5309	0.74
	1	1256	7207	6690	6121	1.01
30"	3/4	773	8870	7900	6493	0.77
	1	849	9742	8944	7836	1.02
	1-1/2	979	11233	10730	9644	1.57
36"	2	1085	12449	12072	11061	2.13
	1	661	12367	10698	9401	0.97
	1-1/2	767	14350	13024	11250	1.51
	2	857	16033	14810	13804	2.11
	3	981	18353	17355	16406	3.17
42"	5	1172	21927	21057	20291	5.4
	1-1/2	598	17332	15616	13557	1.39
	2	670	19418	17958	16174	1.95
	3	781	22635	21475	19943	3.09
48"	5	928	26896	25994	24767	5.18
	3	633	27124	25307	22865	2.99
	5	764	32737	31248	29633	5.26
60"	3	394	36216	31488	26008	3.04
	5	473	43478	39543	35691	5.25



UP SERIES



UPB SERIES

BELT DRIVE

Prop Dia.	EDP Number	Catalog Number	Motor HP	Ship Wt.	List Price	
					1PH 115/230V	3PH 230/460V
24"	30600	UPB24R-G3	1/2	270	\$2588	-
	30610	UPB24R-H3	3/4	270	\$2680	-
	30620	UPB24R-I3	1	270	\$2679	-
	30850	UPB24R-G8	1/2	270	-	\$2537
	30860	UPB24R-H8	3/4	270	-	\$2570
	30870	UPB24R-I8	1	270	-	\$2556
30"	30630	UPB30R-H3	3/4	330	\$3222	-
	30640	UPB30R-I3	1	330	\$3241	-
	30650	UPB30R-J3	1 1/2	330	\$3347	-
	30880	UPB30R-H8	3/4	330	-	\$3123
	30890	UPB30R-I8	1	330	-	\$3181
	30900	UPB30R-J8	1 1/2	330	-	\$3295
36"	30910	UPB30R-K8	2	330	-	\$3289
	30670	UPB36R-I3	1	375	\$3887	-
	30680	UPB36R-J3	1 1/2	375	\$3986	-
	30920	UPB36R-I8	1	375	-	\$3735
	30930	UPB36R-J8	1 1/2	375	-	\$3934
	30940	UPB36R-K8	2	375	-	\$3851
42"	30950	UPB36R-L8	3	375	-	\$4190
	30960	UPB36R-M8	5	375	-	\$4649
	30720	UPB42R-J3	1 1/2	525	\$4503	-
	30970	UPB42R-J8	1 1/2	525	-	\$4467
	30980	UPB42R-K8	2	525	-	\$4421
	30990	UPB42R-L8	3	525	-	\$4707
48"	31000	UPB42R-M8	5	525	-	\$5240
	31010	UPB48R-L8	3	600	-	\$5379
	31020	UPB48R-M8	5	600	-	\$5559
60"	31030	UPB60R-L8	3	800	-	\$7430
	31040	UPB60R-M8	5	800	-	\$7784

DIMENSIONS (INCHES)

Prop Dia.	A Min.	B	C	D	E	F*		X Max.
						UP	UPB	
18	24	33	18	24	22	9 1/4	-	32
24	30	39	22	30	26	10 1/2	15 1/4	38
30	36	45	25	36	29	14 3/4	16 1/4	44
36	42	51	28	42	32	14 3/4	16 1/4	50
42	48	57	32	48	36	17 1/4	16 1/4	56
48	54	63	34	54	38	18	16 1/2	62
60	66	75	42	66	46	18	16 1/2	74

*APPROXIMATE - varies with motor size.



GRAVITY RELIEF VENTS MODEL EGRV



Economical



EGRV GRAVITY NON-POWERED RELIEF VENT (Unit has no motor)

Approximate Throat Dia.	EDP Number	Catalog Number	CFM*	List	Curb (EDP)	**Exhaust Backdraft Damper w/ Motor Kit (EDP)
12"	32443	EGRV120	1000	\$306	PACA17.75 (31100) \$159	BD14.5A (32452) \$123 Motor Kit 115/230V (94283) \$225
14"	32444	EGRV140	1475	\$674	PACA20 (31102) \$180	BD16.75A (32453) \$142 Motor Kit 115/230V (94283) \$225
18"	32445	EGRV180	2400	\$885	PACA25 (31110) \$232	BD21.75A (32454) \$196 Motor Kit 115/230V (94283) \$225

*Approximate CFM at 1200 FPM throat velocity. **Use motorized damper only.
Bird Screen standard on EGRV models.

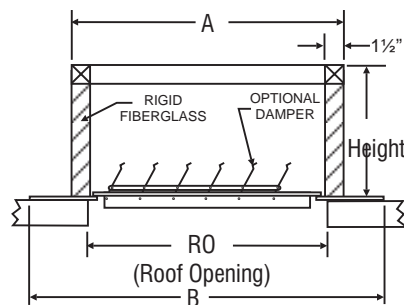
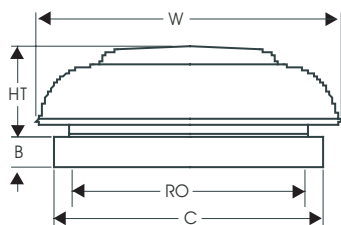
DIMENSIONS

Catalog Number	Ht.	W	B	C	Roof Opening	Approx. Throat Opening in Sq. Ft.
EGRV120	11"	21"	1-1/2"	18-1/2"	12-1/2"	.79
EGRV140	14"	27"	1-1/2"	21"	15"	1.07
EGRV180	16"	34"	2"	26"	20"	1.97



CURB DIMENSIONS

Approx. Throat Size	Curb Cat. No.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.
12"	PACA17.75	17-3/4"	23-3/4"	12-3/4"	BD14.5A
14"	PACA20	20"	24"	15"	BD16.75A
18"	PACA25	25"	29"	20"	BD21.75A



New & Improved

FEATURES

- Durable and Quiet at Higher Static Pressures
- Suitable for Roof or Wall Mount
- 115V, 1 Phase, 2 Speed, Open Drip Proof Motors
- Bird Screen Standard
- AMCA Licensed for Air
- ETL Listed
- Emergency Disconnect Switch Standard
- Non-Overloading, Backward Inclined Wheel
- Variable Speed Control Standard



PERFORMANCE

Catalog Number	SPEED	HP	RPM	TIP SPEED	Capacity (CFM) at "S.P.							
					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"
CDD100-2	High	1/15	1600	3770	547	482	421	364	309	260	199	
	Low		1400	3299	441	386	328	264	195	118		
CDD120-2	High	1/15	1500	4123	811	716	583	533	483			
	Low		1100	3024	468	386	306	230	157	85		
CDD250B-2	High	1/4	1170	3599	926	849	783	714	604			
	Low		1100	3384	870	788	718	623	451			
CDD330B-2	High	1/3	1700	5229	1455	1395	1341	1286	1226	1167	1108	969
	Low		1550	4768	1358	1296	1235	1176	1099	1035	952	738
CDD550B-2	High	1/2	1650	5940	2581	2465	2383	2294	2206	2109	2013	1811
	Low		1450	5220	2261	2138	2022	1896	1763	1582	1476	1231

Speed Control allows for CFM range to 50% of CFM stated.



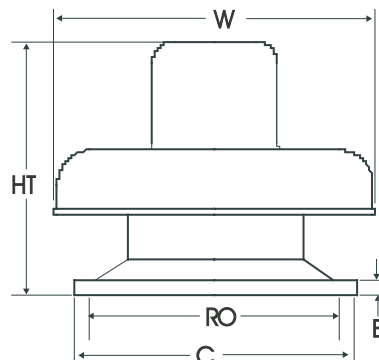
115V MODELS

Wheel Dia.	EDP Number	Catalog Number	Ship Wt.	2 Sp.	8" Curb (EDP#) List			Gravity Damper (EDP#) List		
					12" Curb (EDP#)	Price		Motor Kit (EDP#)	Price	
9"	32446	CDD100-2	30	\$639	PACA17.75-8	(31100)	\$159	BD14.5A	(32452)	\$123
					PACA17.75-12	(31101)	\$177	Motor Kit 115/230V	(94283)	\$225
10½"	32447	CDD120-2	35	\$729	PACA17.75-8	(31100)	\$159	BD14.5A	(32452)	\$123
					PACA17.75-12	(31101)	\$177	Motor Kit 115/230V	(94283)	\$225
10¾"	32448	CDD250B-2	45	\$1185	PACA20-8	(31102)	\$180	BD16.75A	(32453)	\$142
					PACA20-12	(31103)	\$198	Motor Kit 115/230V	(94283)	\$225
11¾"	32449	CDD330B-2	45	\$1551	PACA20-8	(31102)	\$180	BD16.75A	(32453)	\$142
					PACA20-12	(31103)	\$198	Motor Kit 115/230V	(94283)	\$225
12"	32451	CDD550B-2	50	\$1834	PACA20-8	(31102)	\$180	BD16.75A	(32453)	\$142
					PACA20-12	(31103)	\$198	Motor Kit 115/230V	(94283)	\$225

Motorized damper requires 12" Curb.

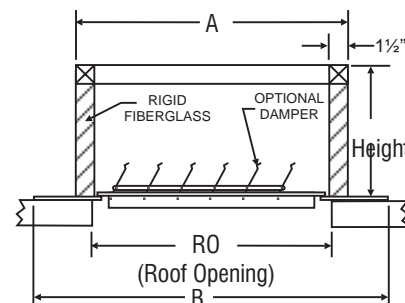
DIMENSIONS

Catalog Number	Ht.	W	B	C	Roof Opening
CDD100-2	14"	19"	1-1/2"	19"	12.75"
CDD120-2	16"	21"	1-1/2"	19"	12.75"
CDD250B-2	23-1/2"	27-5/8"	1-1/2"	21"	16"
CDD330B-2	23-1/2"	27-5/8"	1-1/2"	21"	16"
CDD550B-2	23-1/2"	27-5/8"	1-1/2"	21"	16"



CURB DIMENSIONS

Curb Cat. No.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.
PACA17.75	17-3/4"	23-3/4"	12-3/4"	BD14.5A
PACA20	20"	24"	15"	BD16.75A



ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$119

NOTES:

Pitched and Peaked Curbs available.
 For Pitched Roof Curb price, multiply flat roof curb price by 1.67.
 For Peaked Roof Curb price, multiply flat roof curb price by 2.22.
 Please specify Pitched or Peaked when ordering.



CENTRIFUGAL BELT DRIVE EXHAUST FANS

MODEL CBD



Handles Higher Static Pressures - Quietly

FEATURES

- Non-Overloading Backward Inclined Wheel
- Aluminum Housing
- Forced Air Thru Motor Compartment
- Variable Pitch Motor Pulley Allows for Field Adjustments
- AMCA Licensed for Sound and Air
- Bird Screen
- Emergency Disconnect Switch Standard
- Suitable for Wall Mount up through CBD245MA
- ETL Listed

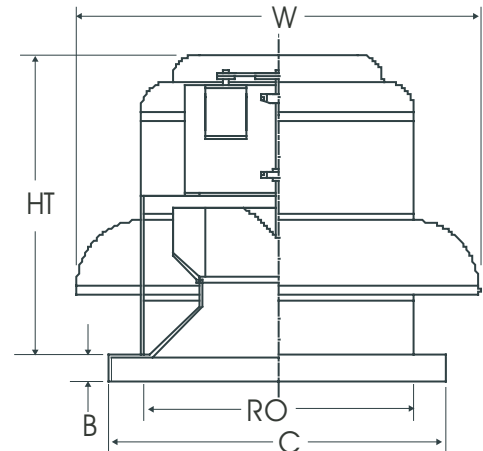


Wheel Dia.	Cat. Number	HP	Fan RPM	Tip Speed	Max BHP	Capacity (CFM) at "S.P.								Max. Sones	Ship Wt.	
						0"	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"			1-1/2"
13"	CBD130CA	1/4	1255	4410	0.29	1985	1892	1799	1705	1609	1357	-	-	-	10.8	105
	CBD130DA	1/3	1328	4780	0.37	2152	2066	1980	1894	1807	1607	1300	-	-	11.8	105
	CBD130FA	1/2	1531	5511	0.57	2481	2406	2332	2258	2182	2031	1850	1598	-	17.1	105
15"	CBD150DA	1/3	1066	4395	0.36	2769	2646	2523	2371	2219	1795	-	-	-	10.2	120
	CBD150FA	1/2	1230	5072	0.56	3195	3088	2982	2867	2735	2452	2069	-	-	13.0	120
	CBD150HA	3/4	1389	5727	0.81	3608	3513	3419	3325	3217	2984	2718	2377	1877	15.8	130
18"	CBD150JA	1	1527	6296	1.08	3966	3880	3794	3709	3623	3413	3201	2944	2630	21.0	130
	CBD180DA	1/3	802	3915	0.36	3114	2952	2789	2600	2391	-	-	-	-	8.3	150
	CBD180FA	1/2	922	4501	0.55	3580	3439	3298	3148	2984	2604	-	-	-	10.2	150
	CBD180HA	3/4	1039	5072	0.79	4035	3909	3784	3659	3520	3227	2866	-	-	12.5	160
	CBD180JA	1	1159	5658	1.10	4501	4388	4276	4164	4051	3793	3513	3189	2763	13.9	160
20"	CBD180KA	1-1/2	1305	6371	1.57	5068	4968	4868	4768	4669	4457	4225	3976	3688	19.2	180
	CBD180MA	2	1437	7015	2.08	5580	5490	5399	5308	5218	5037	4831	4620	4394	24.0	190
	CBD200FA	1/2	761	4110	0.49	4366	4174	3981	3725	3435	2541	-	-	-	8.4	155
24"	CBD200HA	3/4	869	4693	0.79	4986	4817	4649	4460	4234	3691	2751	-	-	10.0	165
	CBD200JA	1	962	5196	1.07	5520	5367	5215	5063	4872	4447	3904	-	-	12.8	165
	CBD200KA	1-1/2	1093	5903	1.57	6271	6137	6003	5869	5735	5385	4993	4523	3830	15.0	185
	CBD200MA	2	1204	6503	2.10	6908	6786	6665	6543	6421	6140	5814	5438	5011	19.8	195
30"	CBD245HA	3/4	658	4264	0.77	6224	5942	5660	5279	4839	3537	-	-	-	11.0	185
	CBD245JA	1	727	4711	1.05	6876	6622	6367	6060	5709	4814	3156	-	-	13.0	185
	CBD245KA	1-1/2	829	5372	1.56	7841	7618	7394	7171	6882	6230	5394	4019	-	14.8	205
	CBD245MA	2	914	5922	2.07	8645	8443	8240	8037	7825	7274	6621	5826	4564	17.7	215
36"	CBD245OA	3	1050	6804	3.15	9932	9755	9579	9402	9226	8817	8337	7779	7133	25.0	215
	CBD300JA	1	504	4074	1.05	8259	7887	7503	7073	6548	5082	-	-	-	8.3	315
	CBD300KA	1-1/2	575	4648	1.56	9423	9097	8770	8421	8032	7039	5647	-	-	10.7	335
	CBD300MA	2	631	5100	2.06	10341	10043	9746	9437	9104	8332	7287	5910	-	12.6	345
	CBD300OA	3	727	5876	3.16	11914	11656	11398	11140	10868	10277	9584	8702	7619	14.8	345
36"	CBD300PA	5	859	6943	5.20	14077	13859	13641	13422	13204	12744	12241	11720	11022	21.0	380
	CBD365JA	1	377	3677	1.01	10900	10230	9487	8630	7285	-	-	-	-	7.4	335
	CBD365KA	1-1/2	430	4193	1.56	12433	11845	11244	10542	9749	-	-	-	-	10.2	355
	CBD365MA	2	475	4632	2.07	13734	13202	12670	12065	11429	9688	-	-	-	11.5	365
36"	CBD365OA	3	544	5305	3.09	15729	15265	14800	14366	13781	12641	10930	-	-	14.9	365
	CBD365PA	5	643	6271	5.19	18592	18199	17806	17413	17020	16096	15157	13894	11990	19.7	400

Performance shown is for installation Type A: Free Inlet; Free Outlet. Power Ratings (BHP) do not include Drive Losses. Performance ratings do not include the effects of appurtenances in the air stream.

DIMENSIONS

Catalog Number	Ht.	W	B	C	RO
CBD130	25-1/2"	28-1/4"	1-1/2"	21"	15"
CBD150	28-1/4"	31-1/2"	2"	24-3/4"	18.75"
CBD180	31-1/2"	37-1/2"	2"	28"	22"
CBD200	31-1/2"	37-1/2"	2"	28"	22"
CBD245	37-1/2"	42"	1-1/2"	33"	27"
CBD300	39"	51-1/4"	2"	40"	34"
CBD365	42-1/2"	61-3/8"	2"	44"	38"



NOTES:
 Instructions for Wall Mounting included with each fan.
 Totally Enclosed Motors available upon request.

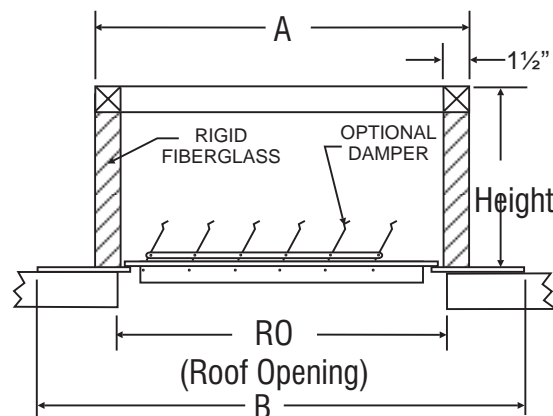


Cat. Number	EDP Number	1 Phase 115/230V	EDP Number	3 Phase 208/230/460V	8" Curb (EDP#)			12" Curb (EDP#)			Damper - Gravity (EDP#)			Motorized Damper Kit (EDP#)					
					EDP#	Price	EDP#	Price	EDP#	Price	EDP#	Price	EDP#	Price	EDP#	Price			
CBD130CA	32459	\$1699	-	-	PACA20-8	(31102)	\$180	PACA20-12	(31103)	\$198	BD16.75A	(32453)	\$142	Motor Kit 115/230V	(94283)	\$225	Motor Kit 460V	(94282)	\$225
CBD130DA	32460	\$1729	-	-															
CBD130FA	32461	\$1774	32462	\$1736															
CBD150DA	32463	\$1842	-	-															
CBD150FA	32464	\$1888	32465	\$1714	PACA23.75-8	(31107)	\$221	PACA23.75-12	(31108)	\$259	BD29A	(32455)	\$174	Motor Kit 115/230V	(94283)	\$225	Motor Kit 460V	(94282)	\$225
CBD150HA	32466	\$1945	32467	\$1887															
CBD150JA	32468	\$2023	32469	\$1912															
CBD180DA	32471	\$2281	-	-															
CBD180FA	32472	\$2320	32473	\$2275															
CBD180HA	32474	\$2384	32475	\$2320	PACA27-8	(31112)	\$251	PACA27-12	(31113)	\$294	BD23.75A	(32456)	\$214	Motor Kit 115/230V	(94283)	\$225	Motor Kit 460V	(94282)	\$225
CBD180JA	32476	\$2471	32477	\$2348															
CBD180KA	32478	\$2505	32479	\$2362															
CBD180MA	32480	\$2803	32481	\$2622															
CBD200FA	32483	\$2445	32484	\$2398															
CBD200HA	32485	\$2513	32486	\$2442	PACA27-8	(31112)	\$251	PACA27-12	(31113)	\$294	BD23.75A	(32456)	\$214	Motor Kit 115/230V	(94283)	\$225	Motor Kit 460V	(94282)	\$225
CBD200JA	32487	\$2604	32488	\$2476															
CBD200KA	32489	\$2763	32493	\$2490															
CBD200MA	-	-	32494	\$2755															
CBD245HA	32495	\$2883	32496	\$2811															
CBD245JA	32497	\$2975	32498	\$2842	PACA32-8	(31115)	\$297	PACA32-12	(31116)	\$349	BD37A	(32518)	\$261	Motor Kit 115/230V	(94283)	\$225	Motor Kit 460V	(94282)	\$225
CBD245KA	32499	\$3140	32500	\$2855															
CBD245MA	-	-	32501	\$3082															
CBD245OA	-	-	32502	\$3155															
CBD300JA	32503	\$3740	32504	\$3589															
CBD300KA	32505	\$3921	32506	\$3609	PACA39-8	(31118)	\$361	PACA39-12	(31119)	\$425	BD44A	(32457)	\$325	Motor Kit 115/230V	(94283)	\$225	Motor Kit 460V	(94282)	\$225
CBD300MA	-	-	32507	\$4082															
CBD300OA	-	-	32508	\$4250															
CBD300PA	-	-	32509	\$4440															
CBD365JA	32511	\$5271	32512	\$5089															
CBD365KA	32513	\$5488	32514	\$5109	PACA43-8	(31121)	\$351	PACA43-12	(31122)	\$468	BD39.75A	(32458)	\$370	Motor Kit 115/230V	(94283)	\$225	Motor Kit 460V	(94282)	\$225
CBD365MA	-	-	32515	\$5145															
CBD365OA	-	-	32516	\$5884															
CBD365PA	-	-	32517	\$6112															

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet fan sone levels. Sones are given for the highest value over catalog range.

CURB DIMENSIONS

Curb Cat. No.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.
PACA20	20"	24"	15"	BD16.75A
PACA23.75	23.75"	27.75"	18.75"	BD29A
PACA27	27"	31"	22"	BD23.75A
PACA32	32"	36"	27"	BD37A
PACA39	39"	43"	34"	BD44A
PACA43	43"	47"	38"	BD39.75A



ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$119

NOTES:
 Pitched and Peaked Curbs available.
 For Pitched Roof Curb price, multiply flat roof curb price by 1.67.
 For Peaked Roof Curb price, multiply flat roof curb price by 2.22.
 Please specify Pitched or Peaked when ordering.



BELT DRIVE CENTRIFUGAL UPBLAST EXHAUST FANS

MODEL CBU



FEATURES

- Non-Overloading Backward Inclined Aluminum Wheel
- Suitable for Wall Mount up through CBU245MA
- Variable Pitch Motor Pulley Allows for Field Adjustment
- Emergency Disconnect Switch Standard
- AMCA Licensed for Sound and Air
- ETL Listed for Over Cooking and Grease Laden Air

High Efficiency...Quiet Operation



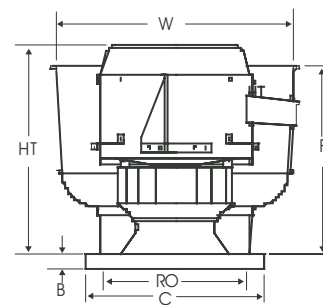
Wheel Dia.	Cat. Number	HP	Fan RPM	Tip Speed	Max BHP	Capacity (CFM) at "S.P.								Sones @ .25" S.P.	Ship Wt.
						1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"		
13"	CBU130CA	1/4	1216	4377	0.28	1746	1652	1556	1294	-	-	-	-	13.8	120
	CBU130DA	1/3	1331	4791	0.37	1940	1861	1773	1580	1267	-	-	-	16.6	120
	CBU130FA	1/2	1535	5526	0.57	2278	2216	2145	1993	1820	1564	-	-	22	120
15"	CBU150DA	1/3	1069	4408	0.36	2445	2303	2154	1758	-	-	-	-	13.1	130
	CBU150FA	1/2	1225	5051	0.55	2866	2756	2632	2349	1989	-	-	-	15.3	130
	CBU150HA	3/4	1395	5752	0.81	3317	3228	3126	2908	2644	2334	1818	-	18	140
	CBU150JA	1	1529	6305	1.07	3669	3587	3506	3308	3104	2848	2560	-	23	140
18"	CBU180DA	1/3	805	3930	0.36	2739	2556	2361	1851	-	-	-	-	9	150
	CBU180FA	1/2	913	4457	0.53	3196	3037	2876	2527	-	-	-	-	11.7	150
	CBU180HA	3/4	1044	5097	0.79	3733	3603	3462	3174	2866	2421	-	-	15.3	160
	CBU180JA	1	1157	5649	1.08	4190	4075	3953	3699	3430	3151	2743	-	18.7	160
	CBU180KA	1-1/2	1319	6439	1.59	4837	4736	4635	4417	4194	3959	3714	3052	23	180
20"	CBU200DA	1/3	673	3635	0.36	3292	2992	2598	-	-	-	-	-	8.9	155
	CBU200FA	1/2	766	4173	0.53	3884	3643	3367	2599	-	-	-	-	12	155
	CBU200HA	3/4	875	4726	0.79	4527	4364	4143	3615	2889	-	-	-	14.2	165
	CBU200JA	1	968	5228	1.07	5067	4934	4762	4359	3821	3068	-	-	16.5	165
	CBU200KA	1-1/2	1100	5941	1.57	5826	5709	5593	5264	4894	4423	3871	-	21	185
24"	CBU245HA	3/4	659	4270	0.78	5445	5091	4716	3646	-	-	-	-	12.5	200
	CBU245JA	1	730	4730	1.06	6157	5857	5537	4782	-	-	-	-	15.4	200
	CBU245KA	1-1/2	831	5384	1.56	7147	6915	6636	6063	5357	4193	-	-	18.7	220
	CBU245MA	2	912	5909	2.07	7930	7718	7492	6980	6427	5743	4648	-	21	230
	CBU245OA	3	1050	6804	3.15	9246	9066	8882	8471	8026	7554	6997	5267	27	230
	CBU245PA	5	1241	8041	5.21	11054	10900	10774	10434	10083	9707	9331	8456	37	270
30"	CBU300HA	3/4	458	3702	0.77	6445	5941	5388	-	-	-	-	-	9	340
	CBU300JA	1	507	4098	1.05	7305	6895	6419	5333	-	-	-	-	11.4	340
	CBU300KA	1-1/2	577	4664	1.55	8494	8184	7801	6949	5945	-	-	-	14.3	360
	CBU300MA	2	635	5133	2.06	9453	9189	8884	8147	7335	6377	-	-	16.6	370
	CBU300OA	3	731	5909	3.15	11016	10806	10573	10017	9362	8669	7887	-	21	370
36"	CBU300PA	5	864	6984	5.19	13153	12985	12409	11942	11400	10829	9582	-	27	410
	CBU365KA	1-1/2	429	4184	1.55	11593	10935	10138	-	-	-	-	-	12	500
	CBU365MA	2	470	4583	2.05	12917	12349	11716	9975	-	-	-	-	14.6	510
	CBU365OA	3	542	5286	3.14	15195	14737	14236	13080	11483	-	-	-	18.3	510
CBU365PA	5	640	6241	5.19	18234	17864	17474	16625	15644	14424	12824	-	25	550	

Performance shown is for installation Type A: Free Inlet; Free Outlet. Power Ratings (BHP) do not include Drive Losses. Performance ratings do not include the effects of appurtenances in the air stream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet fan sone levels.

CBU WALL MOUNTING DETAILS

DIMENSIONS

Wheel Dia.	Catalog Number	Ht.	W	B	C	F	RO
13"	CBU130	25-1/2"	28-1/4"	1-1/2"	21"	23"	15"
15"	CBU150	28-1/4"	31-1/2"	2"	24-3/4"	23"	18.75"
18"	CBU180	31-1/2"	37-1/2"	2"	28"	26"	22"
20"	CBU200	31-1/2"	37-1/2"	2"	28"	26"	22"
24"	CBU240	37-1/2"	42"	1-1/2"	33"	31"	27"
30"	CBU300	39"	51-1/4"	2"	40"	33-1/8"	34"
36"	CBU360	42-1/2"	61-3/8"	2"	44"	45-1/4"	38"



MODEL	A	B	WALL OPENING*
CBU130	21	20-1/2"	17-3/8"
CBU150	24-3/4"	24-1/4"	17-3/8"
CBU180	28	27-1/2"	17-3/8"
CBU200	28	27-1/2"	17-3/8"
CBU245	33	32-1/2"	20-3/8"

*Wall opening is size required when using Airmaster D-V series wall mount dampers.

NOTE:
Instructions for Wall Mounting included with each fan.

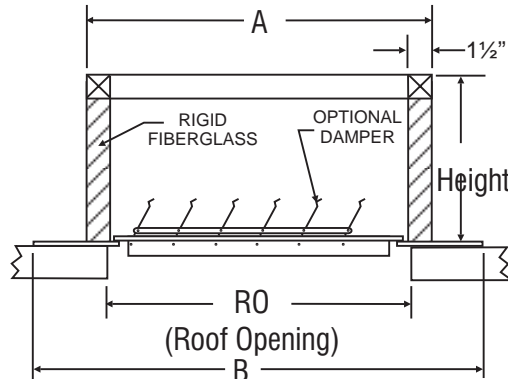


Cat. Number	EDP Number	Single Speed (ODP)			Optional Accessories							
		1 Phase 115/230V	EDP Number	3 Phase 208/230/460V	8" Curb (EDP#) 12" Curb (EDP#) 18" High Ventilated Curb (EDP#)			Damper / Gravity (EDP#) Motorized Damper Kit (EDP#)			Wall Mount Damper (EDP#) Wall Grille (EDP#)	
CBU130CA	32524	\$2063	-	-	PACA20-8 (31102)	\$180	BD16.75A (32453)	\$142	D17V (32519)	\$130		
CBU130DA	32525	\$2081	-	-	PACA20-12 (31103)	\$198	Motor Kit 115/230V (94283)	\$225	WG17 (32522)	\$143		
CBU130FA	32526	\$2092	32527	\$2048	PACA20-18V (31104)	\$365	Motor Kit 460V (94282)	\$225				
CBU150DA	32528	\$2174	-	-	PACA23.75-8 (31107)	\$221	BD29A (32455)	\$174				
CBU150FA	32529	\$2228	32531	\$2182	PACA23.75-12 (31108)	\$259	Motor Kit 115/230V (94283)	\$225	D17V (32519)	\$130		
CBU150HA	32532	\$2295	32533	\$2227	PACA23.75-18V (31109)	\$433	Motor Kit 460V (94282)	\$225	WG17 (32522)	\$143		
CBU150JA	32534	\$2387	32535	\$2258								
CBU180DA	32536	\$2676	-	-								
CBU180FA	32537	\$2739	32538	\$2686	PACA27-8 (31112)	\$251	BD23.75A (32456)	\$214	D17V (32519)	\$130		
CBU180HA	32539	\$2815	32540	\$2737	PACA27-12 (31113)	\$294	Motor Kit 115/230V (94283)	\$225	WG17 (32522)	\$143		
CBU180JA	32541	\$2919	32542	\$2771	PACA27-18V (31114)	\$493	Motor Kit 460V (94282)	\$225				
CBU180KA	32543	\$2957	32544	\$2786								
CBU200DA	32545	\$2822	-	-								
CBU200FA	32546	\$2887	32547	\$2831	PACA27-8 (31112)	\$251	BD23.75A (32456)	\$214	D17V (32519)	\$130		
CBU200HA	32548	\$2966	32549	\$2886	PACA27-12 (31113)	\$294	Motor Kit 115/230V (94283)	\$225	WG17 (32522)	\$143		
CBU200JA	32552	\$3075	32553	\$2921	PACA27-18V (31114)	\$493	Motor Kit 460V (94282)	\$225				
CBU200KA	32554	\$3263	32555	\$2938								
CBU245HA	32556	\$3402	32557	\$3318								
CBU245JA	32558	\$3512	32559	\$3354	PACA32-8 (31115)	\$297	BD37A (32518)	\$261				
CBU245KA	32560	\$3706	32561	\$3372	PACA32-12 (31116)	\$349	Motor Kit 115/230V (94283)	\$225	D20V (32520)	\$147		
CBU245MA	-	-	32562	\$3638	PACA32-18V (31117)	\$584	Motor Kit 460V (94282)	\$225	WG20 (32523)	\$190		
CBU245OA	-	-	32563	\$3722								
CBU245PA	-	-	32564	\$4061								
CBU300HA	32565	\$4291	32566	\$4197								
CBU300JA	32567	\$4414	32568	\$4238	PACA39-8 (31118)	\$361	BD44A (32457)	\$325				
CBU300KA	32569	\$4629	32573	\$4257	PACA39-12 (31119)	\$425	Motor Kit 115/230V (94283)	\$225	N/A			
CBU300MA	-	-	32574	\$4820	PACA39-18V (31120)	\$712	Motor Kit 460V (94282)	\$225				
CBU300OA	-	-	32575	\$5016								
CBU300PA	-	-	32576	\$5241								
CBU365KA	32577	\$6477	32578	\$6029	PACA43-8 (31121)	\$351	BD39.75A (32458)	\$370				
CBU365MA	-	-	32579	\$6073	PACA43-12 (31122)	\$468	Motor Kit 115/230V (94283)	\$225	N/A			
CBU365OA	-	-	32580	\$6943	PACA43-18V (31123)	\$784	Motor Kit 460V (94282)	\$225				
CBU365PA	-	-	32581	\$7214								

Backdraft Damper not for use in kitchen exhaust applications.

CURB DIMENSIONS

Curb Cat. No.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.
PACA20	20"	24"	15"	BD16.75A
PACA23.75	23.75"	27.75"	18.75"	BD29A
PACA27	27"	31"	22"	BD23.75A
PACA32	32"	36"	27"	BD37A
PACA39	39"	43"	34"	BD44A
PACA43	43"	47"	38"	BD39.75A



ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$119
62002	Bird Screen	\$135
62003	Grease Box	\$135

NOTES:
 Non-Vented Curbs Available. Consult factory.
 Pitched and Peaked Curbs available.
 For Pitched Roof Curb price, multiply flat roof curb price by 1.67.
 For Peaked Roof Curb price, multiply flat roof curb price by 2.22.
 Please specify Pitched or Peaked when ordering.



HIGH PRESSURE BELT DRIVE CENTRIFUGAL UPBLAST EXHAUST FANS MODEL CBU-HP



Designed for High Static Pressure Installations



FEATURES

- Non-Overloading Backward Inclined Aluminum Wheel
- Variable Pitch Motor Pulley for Field Adjustments
- AMCA Licensed for Sound and Air
- Emergency Disconnect Switch Standard
- Suitable for Wall Mount up through CBU-HP245MA
- ETL Listed for Over Cooking and Grease Laden Air



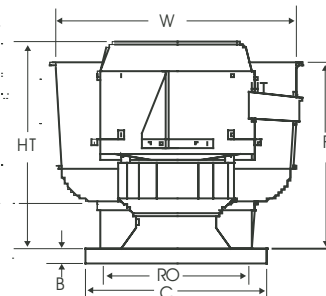
Wheel Dia.	Cat. Number	HP	Fan RPM	Tip Speed	Max BHP	Capacity (CFM) at "S.P.								Max Sones	Ship Wt.	
						1/2"	3/4"	1"	1 1/2"	2"	2 1/4"	2 1/2"	2 3/4"			3"
15"	CBU-HP150DA	1/3	1291	5323	0.36	1696	1511	1277	-	-	-	-	-	-	12.3	130
	CBU-HP150FA	1/2	1474	6078	0.53	2017	1883	1710	1218	-	-	-	-	-	15.9	130
	CBU-HP150HA	3/4	1685	6948	0.81	2378	2261	2142	1836	1342	-	-	-	-	20.0	140
	CBU-HP150JA	1	1855	7649	1.08	2666	2557	2450	2198	1885	1674	1344	-	-	23.0	140
18"	CBU-HP180FA	1/2	1065	5228	0.54	2567	2297	1956	-	-	-	-	-	-	10.3	150
	CBU-HP180HA	3/4	1214	5959	0.78	3056	2837	2590	1889	-	-	-	-	-	13.4	160
	CBU-HP180JA	1	1343	6592	1.07	3451	3273	3073	2577	1727	-	-	-	-	16.3	160
	CBU-HP180KA	1-1/2	1529	7505	1.58	4010	3873	3707	3339	2874	2579	2178	-	-	22.0	180
20"	CBU-HP180MA	2	1686	8276	2.12	4476	4351	4224	3907	3539	3337	3103	-	-	26.0	190
	CBU-HP200HA	3/4	1032	5606	0.79	3505	3235	2895	-	-	-	-	-	-	13.1	165
	CBU-HP200JA	1	1144	6215	1.07	3998	3754	3490	2763	-	-	-	-	-	16.2	165
	CBU-HP200KA	1-1/2	1303	7508	1.57	4671	4466	4252	3756	3049	2334	-	-	-	21.0	185
24"	CBU-HP200MA	2	1430	7768	2.10	5195	5022	4826	4423	3915	3593	3176	2394	-	25.0	195
	CBU-HP200OA	3	1636	8887	3.15	6035	5888	5732	5391	5029	4815	4600	4340	4048	30.0	195
	CBU-HP245HA	3/4	774	5015	0.77	4177	3692	2988	-	-	-	-	-	-	12.4	210
	CBU-HP245JA	1	856	5547	1.05	4780	4397	3916	-	-	-	-	-	-	14.8	210
30"	CBU-HP245KA	1-1/2	975	6318	1.56	5627	5319	4969	4005	-	-	-	-	-	17.1	230
	CBU-HP245MA	2	1073	6953	2.05	6304	6032	5743	5028	3887	2497	-	-	-	21.0	240
	CBU-HP245OA	3	1235	8002	3.17	7402	7176	6937	6414	5770	5376	4879	4127	2751	27.0	240
	CBU-HP245PA	5	1468	9512	5.30	8946	8767	8576	8174	7739	7498	7225	6944	6637	38.0	280
30"	CBU-HP300HA	3/4	520	4203	0.78	5092	4160	-	-	-	-	-	-	-	10.0	350
	CBU-HP300JA	1	575	4648	1.05	5918	5217	4179	-	-	-	-	-	-	12.6	350
	CBU-HP300KA	1-1/2	656	5302	1.56	7060	6530	5883	-	-	-	-	-	-	15.6	370
	CBU-HP300MA	2	719	5812	2.03	7910	7462	6940	5507	-	-	-	-	-	18.0	380
	CBU-HP300OA	3	830	6709	3.14	9367	9010	8614	7672	6354	5040	-	-	-	22.0	380
CBU-HP300PA	5	983	7946	5.27	11324	11038	10734	10062	9264	8807	8285	7675	6834	29.0	420	

Performance shown is for installation Type A: Free Inlet; Free Outlet. Power Ratings (BHP) do not include Drive Losses. Performance ratings do not include the effects of appurtenances in the air stream. Instructions for wall mounting included with each fan.

CBU-HP WALL MOUNTING DETAILS

DIMENSIONS

Wheel Dia.	Catalog Number	Ht.	W	B	C	F	RO
15"	CBU-HP150	28-1/4"	31-1/2"	2"	26"	24-3/4"	18.75"
18"	CBU-HP180	31-1/2"	37-1/2"	2"	28"	26"	22"
20"	CBU-HP200	31-1/2"	37-1/2"	2"	28"	26"	22"
24"	CBU-HP245	37-1/2"	42"	1-1/2"	33"	31"	27"
30"	CBU-HP300	39"	51-1/4"	2"	40"	33-1/8"	34"



MODEL	A	B	WALL OPENING*
CBU-HP150	26	25-1/2	17-3/8
CBU-HP180	28	27-1/2	17-3/8
CBU-HP200	28	27-1/2	17-3/8
CBU-HP245	33	32-1/2	20-3/8

*Wall opening is size required when using Airmaster D-V series wall mount dampers.



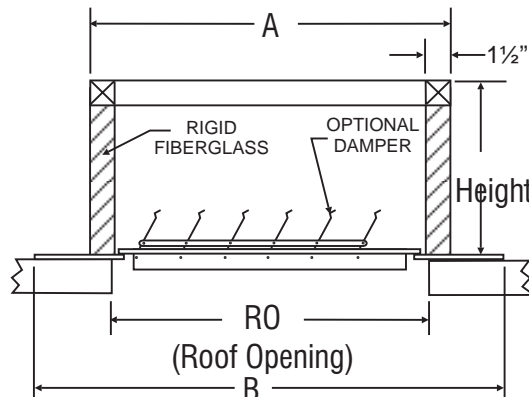
HIGH PRESSURE BELT DRIVE CENTRIFUGAL UPBLAST EXHAUST FANS MODEL CBU-HP

Cat. Number	EDP No.	1 Sp / 1 Ph 115/230V	EDP No.	1 Sp / 3 Ph 208/230/460V	Optional Accessories				
					8" Curb (EDP#) 12" Curb (EDP#) 18" High Ventilated Curb (EDP#)	Gravity Damper (EDP#) Motorized Damper Kit (EDP#)	Wall Mount Damper (EDP#) Wall Grille (EDP#)		
CBU-HP150DA	32582	\$2341	-	-	PACA23.75-8 (31107) \$221	BD29A (32455) \$174			
CBU-HP150FA	32583	\$2398	32584	\$2351	PACA23.75-12 (31108) \$259	Motor Kit 115/230V (94283) \$225	D17V (32519) \$130		
CBU-HP150HA	32585	\$2472	32586	\$2398	PACA23.75-18V (31109) \$433	Motor Kit 460V (94282) \$225	WG17 (32522) \$143		
CBU-HP150JA	32587	\$2571	32588	\$2432					
CBU-HP180FA	32589	\$2951	32592	\$2893					
CBU-HP180HA	32593	\$3033	32594	\$2947	PACA27-8 (31112) \$251	BD23.75A (32456) \$214	D17V (32519) \$130		
CBU-HP180JA	32595	\$3145	32596	\$2984	PACA27-12 (31113) \$294	Motor Kit 115/230V (94283) \$225	WG17 (32522) \$143		
CBU-HP180KA	32597	\$3184	32598	\$3002	PACA27-18V (31114) \$493	Motor Kit 460V (94282) \$225			
CBU-HP180MA	32599	\$3563	32600	\$3333					
CBU-HP200HA	32601	\$3196	32602	\$3108					
CBU-HP200JA	32603	\$3312	32604	\$3145	PACA27-8 (31112) \$251	BD23.75A (32456) \$214	D17V (32519) \$130		
CBU-HP200KA	32605	\$3515	32606	\$3478	PACA27-12 (31113) \$294	Motor Kit 115/230V (94283) \$225	WG17 (32522) \$143		
CBU-HP200MA	32607	\$3743	32608	\$3503	PACA27-18V (31114) \$493	Motor Kit 460V (94282) \$225			
CBU-HP200OA	32609	\$4556	32612	\$4106					
CBU-HP245HA	32613	\$3664	32614	\$3572					
CBU-HP245JA	32615	\$3785	32616	\$3612	PACA32-8 (31115) \$297	BD37A (32518) \$261			
CBU-HP245KA	32617	\$3990	32618	\$3629	PACA32-12 (31116) \$349	Motor Kit 115/230V (94283) \$225	D20V (32520) \$147		
CBU-HP245MA	32619	\$4727	32620	\$3918	PACA32-18V (31117) \$584	Motor Kit 460V (94282) \$225	WG20 (32523) \$190		
CBU-HP245OA	32621	\$5167	32622	\$4009					
CBU-HP245PA	-	-	32623	\$4373					
CBU-HP300HA	32624	\$4622	32625	\$4522					
CBU-HP300JA	32626	\$5058	32627	\$4564	PACA39-8 (31118) \$361	BD44A (32457) \$325			
CBU-HP300KA	32628	\$4986	32629	\$4586	PACA39-12 (31119) \$425	Motor Kit 115/230V (94283) \$225			
CBU-HP300MA	32632	\$5419	32633	\$5192	PACA39-18V (31120) \$712	Motor Kit 460V (94282) \$225			
CBU-HP300OA	32634	\$5947	32635	\$5401					
CBU-HP300PA	-	-	32636	\$5644					

The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet fan sone levels. Sones are given for the highest value over catalog range. Backdraft Damper not for use in kitchen exhaust applications.

CURB DIMENSIONS

Curb Cat. No.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.
PACA23.75	23.75"	27.75"	18.75"	BD29A
PACA27	27"	31"	22"	BD23.75A
PACA32	32"	36"	27"	BD37A
PACA39	39"	43"	34"	BD44A



ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$119
62002	Bird Screen	\$135
62003	Grease Box	\$135

NOTES:
 Non-Vented Curbs Available. Consult factory.
 Pitched and Peaked Curbs available.
 For Pitched Roof Curb price, multiply flat roof curb price by 1.67.
 For Peaked Roof Curb price, multiply flat roof curb price by 2.22.
 Please specify Pitched or Peaked when ordering.



DIRECT DRIVE CENTRIFUGAL UPBLAST/WALL FANS MODEL CDU



Roof and Wall Mount Versatility

FEATURES

- High Vertical Discharge - Prevents Recirculation
- Emergency Disconnect Switch Standard
- Non-Overloading, Backward Inclined Wheel
- Variable Speed Control Standard
- Rubber Vibration Isolators for Quiet Operation
- Compact Size for Easy Installation
- ETL Listed



PERFORMANCE

Catalog Number	Speed	HP	RPM	Tip Speed	Capacity (CFM) at "S.P.									
					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"
*CDU100-2	High	1/15	1600	3770	547	479	417	363	310	256	193			
	Low		1400	3299	452	388	335	254	210	169				
CDU120-2	High	1/15	1500	4123	753	687	611	538	451	327	185			
	Low		1100	3024	422	354	283	208	130					
CDU250B-2	High	1/4	1150	3538	900	831	751	650	540	233				
	Low		1000	3076	785	666	519	389	234					
CDU300B-2	High	1/3	1725	5153	1342	1296	1242	1182	1124	1056	994	843	637	
	Low		1625	4999	1281	1229	1165	1105	1035	970	888	700	298	
CDU500B-2	High	1/2	1670	6012	2181	2116	2052	1987	1922	1865	1786	1615	1418	1174
	Low		1450	5220	1934	1856	1779	1694	1604	1516	1402	1163	909	591

*CDU100-2 UL 705 Listed.

Variable speed control allows for 50% range of stated CFM. Speed control can be wired for low or high speed. Performance shown is for installation Type A; Free Inlet, Free Outlet. Performance includes effect of bird screen in the airstream. Speed (RPM) shown is nominal and performance is based on actual speed of test.

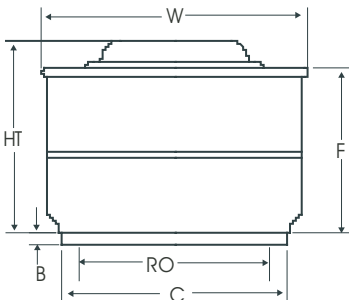
115V MODELS & OPTIONAL CURBS

Wheel Dia.	EDP Number	Catalog Number	Ship Wt.	ODP 2 Speed Phase 115V	8" Curb (EDP #) 12" Curb (EDP #)	Roof Mount Gravity Damper (EDP #) Motorized Damper (EDP#)
9"	32637	CDU100-2	30	\$945	PACA17.75-8 (31100) \$159 PACA17.75-12 (31101) \$177	BD14.5A (32452) \$123 Motor Kit 115/230V (94283) \$225
10-1/2"	32638	CDU120-2	40	\$968	PACA17.75-8 (31100) \$159 PACA17.75-12 (31101) \$177	BD14.5A (32452) \$123 Motor Kit 115/230V (94283) \$225
11-3/4"	32639	CDU250B-2	50	\$1522	PACA20-8 (31102) \$180 PACA20-12 (31103) \$198	BD16.75A (32453) \$142 Motor Kit 115/230V (94283) \$225
11-3/4"	32642	CDU300B-2	50	\$2117	PACA20-8 (31102) \$180 PACA20-12 (31103) \$198	BD16.75A (32453) \$142 Motor Kit 115/230V (94283) \$225
13-3/4"	32643	CDU500B-2	55	\$2317	PACA20-8 (31102) \$180 PACA20-12 (31103) \$198	BD16.75A (32453) \$142 Motor Kit 115/230V (94283) \$225

CDU WALL MOUNTING DETAILS

MODEL	A	B	WALL OPENING*
CDU100-2	19	18-1/2	15-3/8
CDU120-2	19	18-1/2	15-3/8
CDU250B-2	21	20-1/2	17-3/8
CDU300B-2	21	20-1/2	17-3/8
CDU500B-2	21	20-1/2	17-3/8

*Wall opening is size required when using Airmaster D-V series wall mount dampers.

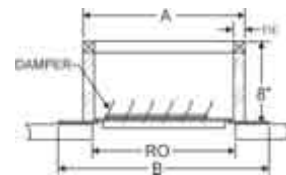


OPTIONAL ACCESSORIES

EDP Number	Catalog Number	Wall Mount Damper (EDP #)	Wall Grille (EDP #)
32637	CDU100-2	D15V (32640) \$109	WG15 (32641) \$116
32638	CDU120-2	D15V (32640) \$109	WG15 (32641) \$116
32639	CDU250B-2	D17V (32519) \$130	WG17 (32522) \$143
32642	CDU300B-2	D17V (32519) \$130	WG17 (32522) \$143
32643	CDU500B-2	D17V (32519) \$130	WG17 (32522) \$143

ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$119
62001	Bird Screen - for CDU 100 - 120	\$135
62002	Bird Screen - for CDU 250 - 500	\$135
62003	Grease Box	\$135



DIMENSIONS

Wheel Dia.	Catalog Number	Ht	W	B	C	F	RO
9"	CDU100-2	13-1/3"	19-3/4"	1-1/2"	19"	9-3/4"	12-3/4"
10-1/2"	CDU120-2	15-1/2"	24"	1-1/2"	19"	11-5/8"	12-3/4"
11-3/4"	CDU250B-2	23"	26"	1-1/2"	21"	20-1/2"	16"
11-3/4"	CDU300B-2	23"	26"	1-1/2"	21"	20-1/2"	16"
13-3/4"	CDU500B-2	23"	26"	1-1/2"	21"	20-1/2"	16"

CURB DIMENSIONS

Curb Cat. No.	A Sq.	B Sq.	Roof Open.	Damper Cat. No.
PACA17.75	17-3/4"	23-3/4"	12-3/4"	BD14.5A
PACA20	20"	24"	15"	BD16.75A

NOTES:

Pitched and Peaked Curbs available. For Pitched Roof Curb price, multiply flat roof curb price by 1.67. For Peaked Roof Curb price, multiply flat roof curb price by 2.22. Please specify Pitched or Peaked when ordering.





FEATURES

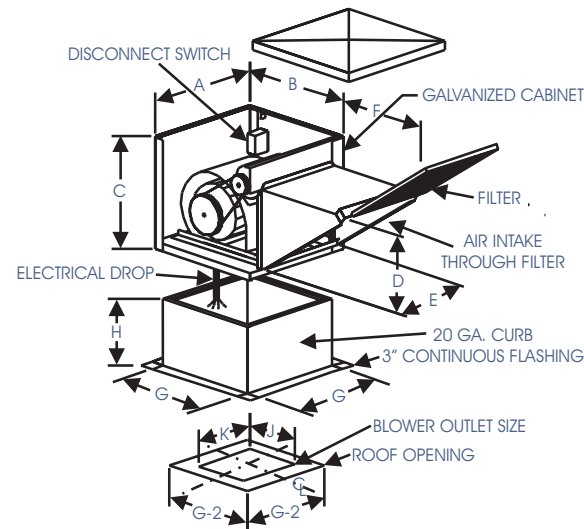
- 2" Washable Filters
- Blower is Isolated from the Cabinet
- Variable Pitch Motor Pulley
- Double Inlet Centrifugal Blower
- Galvanized Steel Cabinet
- Disconnect Switch Included
- Easy to Install

PERFORMANCE

Catalog Number	CFM	FPM	0.000"		0.125"		0.250"		0.375"		0.500"		0.625"		0.750"		0.875"		1.000"	
			RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP
CAS100	500	482	156/0.01	351/0.02	500/0.05															
CAS100	1000	964	279/0.04	400/0.07	509/0.10															
CAS100	1500	1446	410/0.13	495/0.17	580/0.21	606/0.13	702/0.18	788/0.22	865/0.27	936/0.32	1000/0.37									
CAS100	200	1929	543/0.29	606/0.35	675/0.41	740/0.47	801/0.52	859/0.58	915/0.65	968/0.71	1019/0.78									
CAS100	2500	2411	677/0.57	726/0.64	782/0.71	837/0.79	890/0.86	940/0.93	989/1.00	1037/1.08	1083/1.15									
CAS120	1500	1028	263/0.07	350/0.10	445/0.14	527/0.18	602/0.22	671/0.27												
CAS120	2000	1371	348/0.16	406/0.19	484/0.24	556/0.29	622/0.35	684/0.40	742/0.46	796/0.52	849/0.58									
CAS120	2500	1714	433/0.30	476/0.35	543/0.40	598/0.46	657/0.52	712/0.59	765/0.66	815/0.73	864/0.80									
CAS120	3000	2057	519/0.52	553/0.58	597/0.64	648/0.70	701/0.77	751/0.84	799/0.92	846/1.01	890/1.09									
CAS120	3500	2400	605/0.82	633/0.89	668/0.96	708/1.03	752/1.11	798/1.18	842/1.27	885/1.36	926/1.45									
CAS120	4000	2743	691/1.23	715/1.30	744/1.38	776/1.47	812/1.55	850/1.64	891/1.72	931/1.81	969/1.91									
CAS120	4500	3086	777/1.74	798/1.83	823/1.92	850/2.02	880/2.11	912/2.20	945/2.30	981/2.39	1017/2.49									
CAS150	2000	974	228/0.09	307/0.14	383/0.20	452/0.27	515/0.35													
CAS150	2500	1217	282/0.18	346/0.24	411/0.31	471/0.38	528/0.47	582/0.56	632/0.66											
CAS150	3000	1461	336/0.31	391/0.38	447/0.46	500/0.54	550/0.63	599/0.73	645/0.84	690/0.95	732/1.06									
CAS150	3500	1704	390/0.48	438/0.56	487/0.66	534/0.75	579/0.85	623/0.95	665/1.07	707/1.18	746/1.31									
CAS150	4000	1948	445/0.72	487/0.81	531/0.91	573/1.02	614/1.13	653/1.24	692/1.36	729/1.48	766/1.61									
CAS150	4500	2191	500/1.02	537/1.13	577/1.24	615/1.36	652/1.48	688/1.60	724/1.73	758/1.86	792/1.99									
CAS150	5000	2435	555/1.40	589/1.52	624/1.64	659/1.77	693/1.90	727/2.03	759/2.17	791/2.31	823/2.45									
CAS150	5500	2678	610/1.87	641/1.99	673/2.13	705/2.26	737/2.41	768/2.55	798/2.70	828/2.85	857/3.00									
CAS150	6000	2922	665/2.42	693/2.55	723/2.70	753/2.85	782/3.01	811/3.16	839/3.32	867/3.48	894/3.64									



Wheel Dia.	Catalog Number	HP	Ship Wt.	EDP Number	1 SP/1 PH 115/208/230V	EDP Number	1 SP/3 PH 208/230/460V	8" Curb (EDP#) List
10"	CAS100DA	1/3	199	32648	\$2194	-	-	PAC22.5 (90122) \$207
	CAS100FA	1/2	202	32649	\$2203	32653	\$2103	
	CAS100HA	3/4	211	32654	\$2217	32655	\$2151	
	CAS100JA	1	212	32656	\$2307	32657	\$2196	
	CAS100KA	1-1/2	220	32658	\$2020	32659	\$1926	
	CAS100MA	2	224	-	-	32660	\$1966	
12"	CAS120FA	1/2	277	32661	\$2646	32662	\$2613	PAC33 (32521) \$303
	CAS120HA	3/4	286	32663	\$2721	32664	\$2659	
	CAS120JA	1	287	32665	\$2824	32666	\$2706	
	CAS120KA	1-1/2	295	32667	\$2877	32668	\$2763	
	CAS120MA	2	299	32669	\$3007	32671	\$2774	
	CAS120OA	3	315	32672	\$3074	32673	\$2874	
15"	CAS150HA	3/4	351	32674	\$2991	32675	\$2824	PAC33 (32521) \$303
	CAS150JA	1	352	32676	\$3057	32677	\$2857	
	CAS150KA	1-1/2	360	32678	\$3109	32679	\$2907	
	CAS150MA	2	364	32680	\$3159	32681	\$2907	
	CAS150OA	3	380	32682	\$3225	32683	\$3014	
	CAS150PA	5	390	32684	\$3292	32685	\$3111	



DIMENSIONS

Wheel Dia.	Catalog Number	A	B	C	D	E	F	G	H	J	K	Filter Qty.	Filter Size	Wt.
10"	CAS100	26"	32"	28"	20"	20"	26"	23"	8"	11-3/4"	13-1/2"	2	16" x 20"	175
12"	CAS120	36"	40"	35"	28-1/2"	25"	29"	32-1/2"	8"	13-3/4"	15-7/8"	2	20" x 25"	275
15"	CAS150	36"	40"	35"	28-1/2"	25"	53-3/4"	32-1/2"	8"	16-1/8"	18-7/8"	3	20" x 25"	315

Consult factory for Horizontal Discharge.

NOTE:

Price includes intake hood.
 Pitched and Peaked Curbs available.
 For Pitched Roof Curb price, multiply flat roof curb price by 1.67.
 For Peaked Roof Curb price, multiply flat roof curb price by 2.22.
 Please specify Pitched or Peaked when ordering.



DIRECT DRIVE PROPELLER ROOFTOP EXHAUST FANS MODEL ARD



FEATURES

- Wall or Roof Mount
- Spun Aluminum Housing
- Bird Screen
- Integral Vibration Isolators
- Aluminum Bladed Propellers
- Solid State Speed Control Not Available

PERFORMANCE

Catalog Number	HP	RPM	Max BHP	Capacity (CFM) at "S.P.								
				0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	
ARD100	1/30	1500	87*	469	380	240	-	-	-	-	-	-
ARD120	1/10	1500	222*	862	700	510	345	-	-	-	-	-
ARD140	1/6	1100	194*	1465	1220	940	780	500	410	220	-	-
ARD180	1/3	1100	0.39	2567	2350	2060	1830	1640	1310	1060	570	-

*Maximum watts

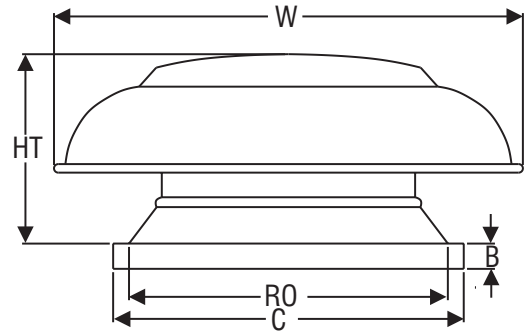


115V MODELS & OPTIONAL CURBS

Prop Dia.	EDP Number	Catalog Number	Ship Wt.	ODP 1 Speed 1 Phase 115V	8" Curb (EDP #) 12" Curb (EDP #)	Roof Mount Damper (EDP#)
10"	32644	ARD100XB	12	\$547	PACA17.75-8 (31100) \$159 PACA17.75-12 (31101) \$177	BD14.5A (32452) \$123
12"	32645	ARD120XB	20	\$866	PACA17.75-8 (31100) \$159 PACA17.75-12 (31101) \$177	BD14.5A (32452) \$123
14"	32646	ARD140BC	34	\$1148	PACA20-8 (31102) \$180 PACA20-12 (31103) \$198	BD16.75A (32453) \$142
18"	32647	ARD180DC	46	\$1430	PACA25-8 (31110) \$232 PACA25-12 (31111) \$272	BD21.75A (32454) \$196

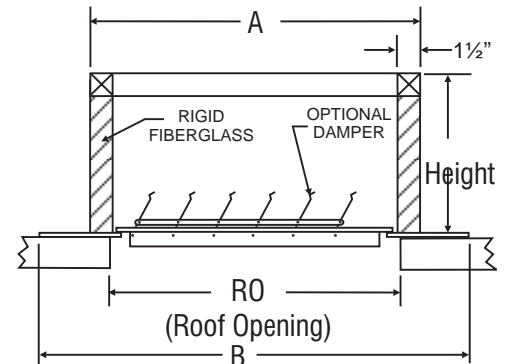
DIMENSIONS

Prop Dia.	Catalog Number	Ht	W	B	C	RO
10"	ARD100	9"	18"	1-1/2"	19"	12-3/4"
12"	ARD120	11"	21-1/2"	1-1/2"	19"	12-3/4"
14"	ARD140	14"	27"	1-1/2"	21"	15"
18"	ARD180	16"	34"	2"	26"	20"



CURB DIMENSIONS

Curb Cat. No.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.
PACA17.75	17-3/4"	23-3/4"	12-3/4"	BD14.5A
PACA20	20"	24"	15"	BD16.75A
PACA25	25"	29"	20"	BD21.75A



NOTES:

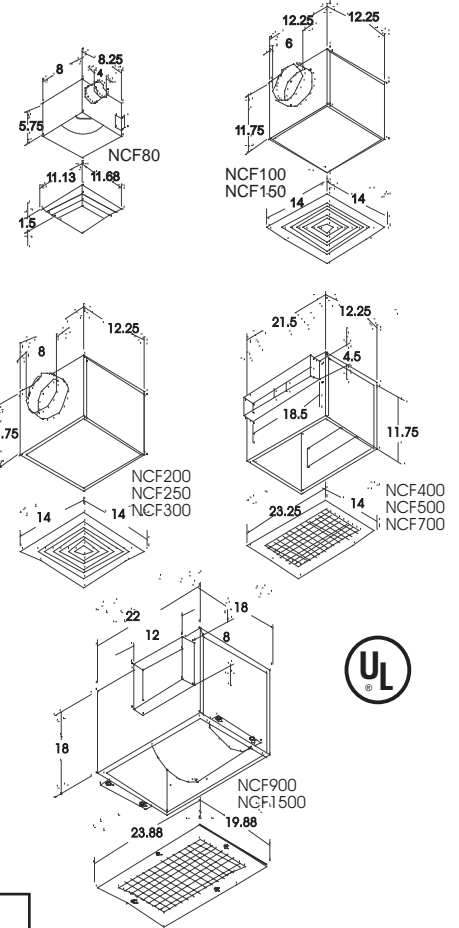
Pitched and Peaked Curbs available.
For Pitched Roof Curb price, multiply flat roof curb price by 1.67.
For Peaked Roof Curb price, multiply flat roof curb price by 2.22.
Please specify Pitched or Peaked when ordering.





FEATURES:

- Low RPM motors, mounted on resilient mounts
- Permanently lubricated motors for continuous operation
- Acoustic insulation inside rugged, heavy gauge galvanized steel housings
- UL Listed
- NCF100 to NCF1500 field convertible to vertical discharge
- White, polymeric grille included
- 8 position mounting brackets for various mounting requirements
- Automatic backdraft damper located within duct connector
- Factory shipped in horizontal discharge position
- May be installed as an in-line ventilator with addition of in-line adapter



PRODUCT PERFORMANCE / PRICING

EDP#	Model #	Fan RPM	Capacity (CFM) at ".S.P							FA. Sones @ 5'	Ship Wt.	List Price
			0"	1/8"	1/4"	3/8"	1/2"	3/4"	1"			
30100	NCF80	1280	89	87	77	59			3.9	8	\$200	
30101	NCF100	640	136	109	93	80	65	12	3.2	22.8	\$369	
30102	NCF150	710	181	157	141	132	124	94	4.6	23.1	\$393	
30103	NCF200	740	231	210	196	186	177	144	5.3	23	\$466	
30104	NCF250	830	272	259	250	242	233	201	5.8	23.1	\$502	
30105	NCF300	905	312	308	303	296	287	254	5.6	23.3	\$521	
30106	NCF400	735	480	434	388	344	299	182	33	5.6	\$831	
30107	NCF500	810	538	514	491	463	434	339	186	6.4	\$906	
30108	NCF700	960	722	701	667	640	607	534	333	7.2	\$957	
30109	NCF900	650	918	901	877	842	793	636	390	5.3	\$1125	
30110	NCF1500	955	1578	1513	1438	1371	1285	1103	816	5.8	\$1370	

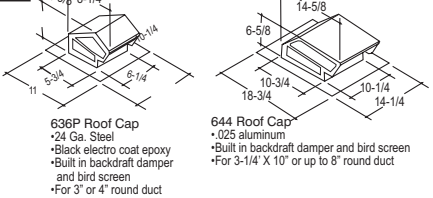
Performance ratings include the effects of inlet grille and backdraft damper in the airstream. Speed (RPM) is nominal. Performance is based on actual speed of test. Performance shown is for Installation Type B: Free inlet, Ducted outlet. The sound ratings shown are loudest catalogued value in fan sones at 5' (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for Installation Type B: Free inlet fan sone levels.

ACCESSORIES

Roof Caps EDP#	Model #	Used On	List Price	Wall Caps EDP#	Model #	Used On	List Price	EDP# Speed Controls	Model #	Used On	List Price
30122	636P	NCF80	\$53	30117	641	NCF100-150	\$170	24855	485210	NCF80 - 1500	\$48
30115	644	NCF100-300	\$100	30118	643	NCF200 - 400	\$136	Humidistat			
30116	612	NCF400-1500	\$221	30119	613	NCF500 - 1500	\$146	24880	H-1	NCF80 - 1500	\$218

ACCESSORIES

ROOF CAPS



INLINE ADAPTERS

EDP#	Model #	Used On	List Price
30111	961L	NCF100, NCF150	\$48
30112	981L	NCF200, NCF250, NCF300	\$48
30113	982L	NCF400, NCF500, NCF700	\$69
30114	983L	NCF900, NCF1500	\$77

RADIATION DAMPERS

EDP#	Model #	Used On	List Price
30130	RD1	NCF100 - NCF300	\$324
30131	RD2	NCF400 - NCF700	\$344
30132	RD3	NCF900 - NCF1500	\$429

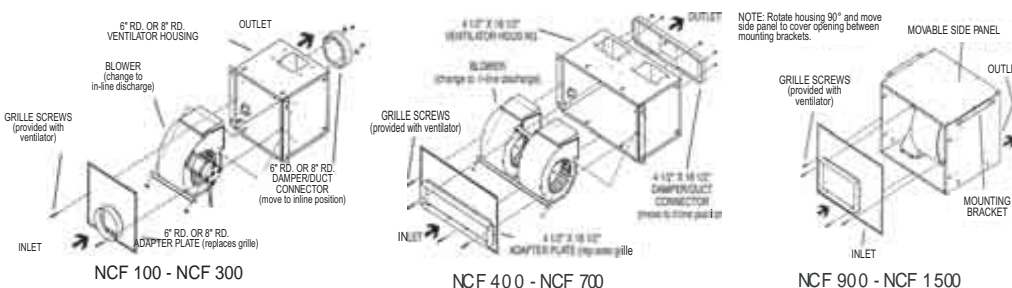
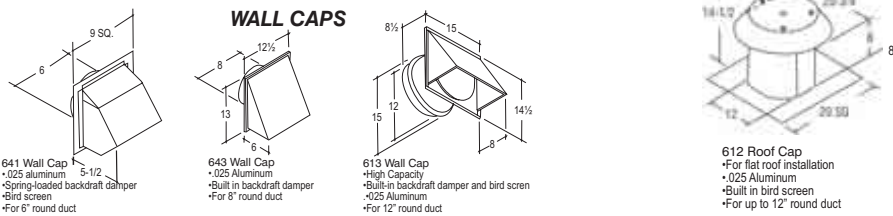
VIBRATION ISOLATORS

EDP#	Model #	Used On	List Price / Set
30123	V104	NCF100 - NCF1500	\$162

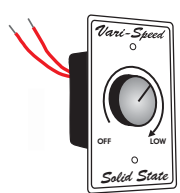
Duct Attachment Dimensions

OPTIONAL METAL GRILL

EDP#	Model #	Used On	List Price
30133	MG1	NCF100 - NCF300	\$75



Humidistat



Speed Control



MODEL TBP

FEATURES

- External Rotor Motor for Compact Design
- High Efficiency, Non-Overloading Backward Curve Wheel
- Dynamically Balanced Wheel for Low Noise / Vibration
- Die Cast Aluminum Motor Body allows for Heat Dissipation, 100% Speed Controllable, Long Motor Life
- UL Listed
- 5 Year Warranty



- Permanent Lube Ball Bearings for Maintenance Free/Smooth Operation
- NEMA Class B Motor Insulation - Industrial Quality Construction
- Thermal Overload Motor Protection for Safety
- Suitable for Indoor/Outdoor Use
- May Be Mounted at Any Angle



PERFORMANCE / PRICING

EDP No.	Model No.	Min./Max. Watts @115V	Capacity (CFM) @ "S.P.							Duct Dia.	Wt. (lbs.)	List
			0	0.2	0.4	0.6	0.8	1.0	1.5			
23150	TBP-4	58-75	168	150	135	119	097	73	15	4"	8.8	\$247
23151	TBP-6	58-82	260	227	197	162	135	98	19	6"	8.8	\$263

Maximum ambient temperature 130°

TURBO FAN APPLICATIONS

	Residential	Commercial	Industrial
• Bathroom Exhaust	X	X	X
• Locker Room Exhaust		X	X
• Kitchen Exhaust (not over range hood)	X		
• Clothes Dryer Exhaust	X	X	
• Primary Exhaust Fan	X	X	X
• Duct Booster	X	X	X
• Warm Air Transfer	X	X	X
• General Ventilation	X	X	X
• Conference Room Exhaust		X	
• Smoke Areas	X	X	X
• Cafeteria Exhaust		X	
• Humidity & Moisture Removal	X	X	X
• Equipment Cooling		X	X
• Make Up Air	X	X	X
• Welding Fume Removal			X
• Spot Ventilation	X	X	X
• Booster Fan	X	X	X

FAN ACCESSORY TURBO KITS

EDP#	KIT#	INCLUDES:	Ship Wt.	List
23159	TBK-4	(1) 4" Vent, (1) 4" Damper, (3) Duct Ties	2.0	\$34
23160	TBK-6	(1) 6" Vent, (1) 6" Damper, (3) Duct Ties	2.2	\$35
23161	TBK-6D	(2) 4" Vents, (1) 6" Damper, (1) Tee - 6x4x4, (7) Duct Ties	3.7	\$88

TURBO Kits do not include the TURBO fan. Duct work not provided.

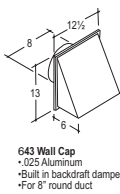
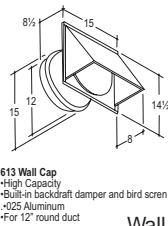
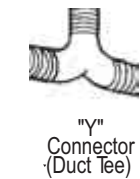
TURBO FAN ACCESSORIES

EDP#	Model#		Ship Wt.	List
23201	PS-DB	Pressure Sensing Switch Kit	1.5	\$152
23168	DT-6	6" x 4" x 4" Duct Tee.	2.5	\$35
23169	DT-8	8" x 6" x 6" Duct Tee.	3.0	\$37
23173P	DT-10	10 x 8 x 8 Duct Tee	3.5	\$42
24855	485210	Variable Speed Controller, 1 Phase, 5 amp speed control for accurate airflow control.	1.0	\$48
24880	H-1	Humidistat, 20% to 80% RH range	1.0	\$218
23163	DF-4	4" Diffuser Vent.	0.8	\$21
23164	DF-6	6" Diffuser Vent.	1.0	\$23
23170	DF-8	8" Diffuser Vent.	1.4	\$37
23165	BD-4	4" Backdraft Damper.	0.8	\$14
23166	BD-6	6" Backdraft Damper.	1.0	\$19
23171	BD-8	8" Backdraft Damper.	1.2	\$30
23172	BD-10	10" Backdraft Damper.	1.4	\$47
30118	643	Wall Cap - Use with up to 8" round duct.*	3.0	\$136
30119	613	Wall Cap - Use with up to 12" round duct.**	2.0	\$146
30115	644	Roof Cap - Use with up to 8" round duct.	10	\$100
30116	612	Roof Cap - Use with up to 12" round duct.	6	\$221

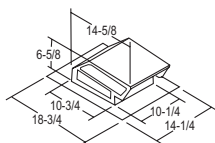
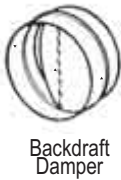
*Adapter supplied by installer for duct smaller than 8".
** Adapter supplied by installer for duct smaller than 12" ..

DIMENSIONS

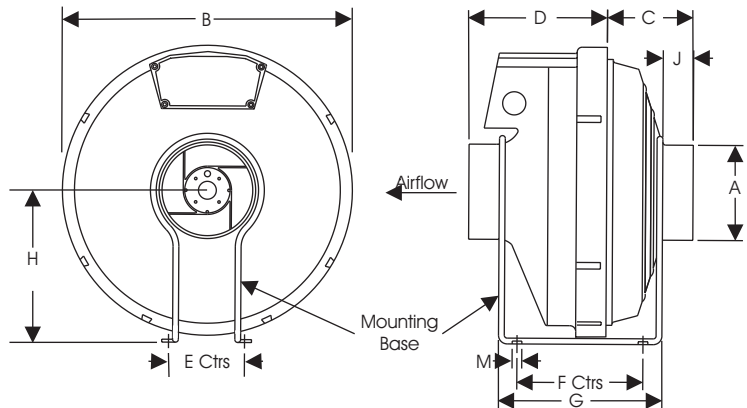
Model No.	A	B	C	D	E	F	G	H	J	K	L	M
TBP-4	3.94"	12.01"	3.58"	5.7"	3.15"	5.12"	6.30"	6.30"	1.26"	.12"	.57"	.55"
TBP-6	5.91"	12.01"	3.58"	5.7"	3.15"	5.12"	6.30"	6.30"	1.26"	.12"	.57"	.55"



Wall Caps



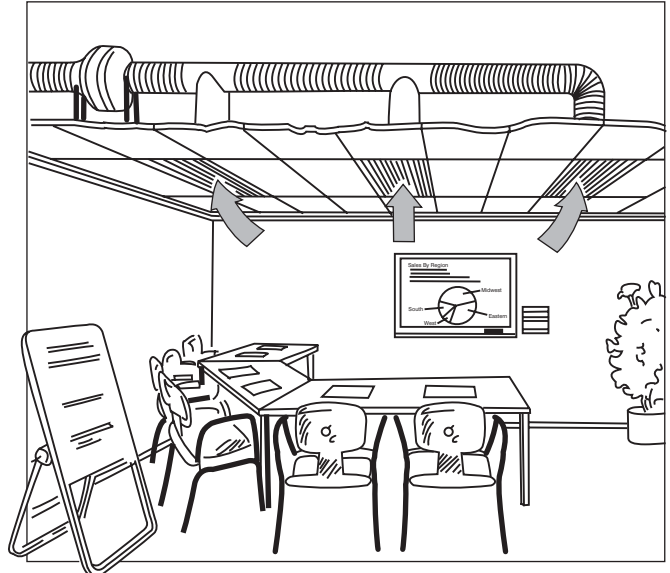
Roof Caps



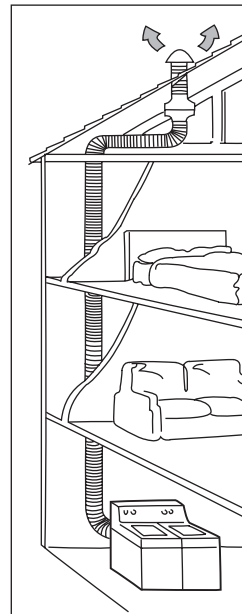
TURBO FAN includes mounting base and 2 duct ties.

TYPICAL APPLICATIONS

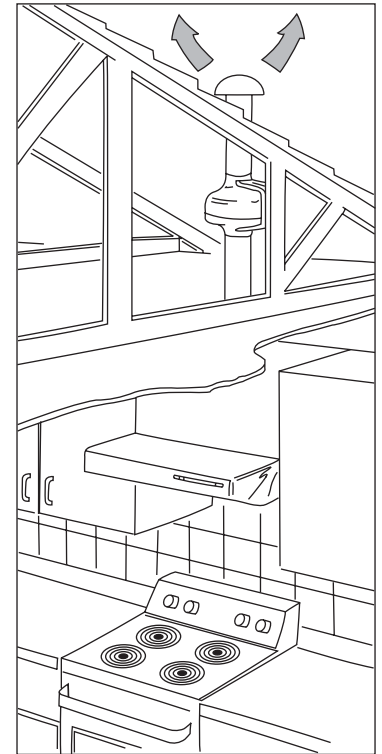
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
BATHROOM EXHAUST	X	X	X
LOCKER ROOM EXHAUST		X	X
KITCHEN EXHAUST (not over range hood)	X		
CLOTHES DRYER EXHAUST	X	X	
PRIMARY EXHAUST FAN	X	X	X
DUCT BOOSTER	X	X	X
WARM AIR TRANSFER	X	X	X
GENERAL VENTILATION	X	X	X
CONFERENCE ROOM EXHAUST		X	
SMOKE AREAS	X	X	X
CAFETERIA EXHAUST		X	
HUMIDITY & MOISTURE REMOVAL	X	X	X
EQUIPMENT COOLING		X	X
MAKE UP AIR	X	X	X
WELDING FUME REMOVAL			X
SPOT VENTILATION	X	X	X
BOOSTER FAN	X	X	X



Conference room exhaust ventilation



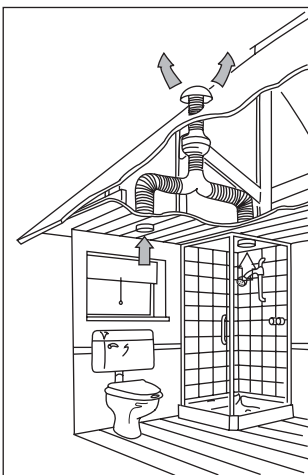
(TURBO) Fan assisted dryer exhaust



(TURBO) Fan) rangehood exhaust



(TURBO Fan) transferring conditioned air to a new room addition



Multi-ventilating points with one TURBO Fan

FEATURES

EXTERNAL ROTOR MOTOR	COMPACT DESIGN
BACKWARD CURVE WHEEL	HIGH EFFICIENCY NON-OVERLOADING
DYNAMICALLY BALANCED WHEEL	LOW NOISE AND VIBRATION
DIE CAST ALUMINUM MOTOR BODY	EXCELLENT HEAT DISSIPATION, 100% SPEED CONTROLLABLE, LONG MOTOR LIFE
PERMANENT LUBE BALL BEARINGS	MAINTENANCE FREE/SMOOTH OPERATION
NEMA CLASS B MOTOR INSULATION	INDUSTRIAL QUALITY CONSTRUCTION
THERMAL OVERLOAD MOTOR PROTECTION	SAFETY FEATURE

BENEFITS


INTAKE LOUVERS MODEL LE47 - FIXED



LE47 INTAKE LOUVER
(Fixed Blade)

FEATURES

- Galvanized Aluminum
- Weather Resistant
- Available in Fixed or Adjustable Blades

- Bird Screen Standard
- Extremely Versatile - For Architectural Designs
- Many Options and Colors Available

Choosing the proper size LE47 or LE47A

1. Divide the required CFM by the maximum recommended free area velocity (822 FPM).

2. Select a louver from the free area chart that meets the minimum free area requirements.

EXAMPLE: 6000 CFM air flow

Step #1

$$\text{Min. Free Area} = \frac{\text{Design CFM}}{\text{Max Recommended Velocity}} = \frac{6000}{822} = 7.299 \text{ Sq. Ft.}$$

Step #2

From the free area table the approximate louver size is 36" x 60" (7.47 Sq. Ft.).

LE47 FREE AREA IN SQUARE FEET

		WIDTH							
		12"	24"	36"	48"	60"	72"	84"	96"
HEIGHT	12"	0.29	0.66	1.04	1.41	1.79	2.12	2.49	2.87
	24"	0.69	1.59	2.49	3.40	4.30	5.08	5.98	6.88
	36"	1.18	2.70	4.22	5.75	7.27	8.61	10.13	11.66
	48"	1.68	3.85	6.03	8.21	10.38	12.29	14.47	16.64
	60"	2.08	4.77	7.47	10.16	12.85	15.21	17.90	20.60
	72"	2.57	5.90	9.24	12.57	15.91	18.82	22.16	25.49
	84"	2.97	6.83	10.69	14.55	18.41	21.79	25.65	29.51
96"	3.46	7.94	12.42	16.91	21.39	25.31	29.80	34.28	

Free area is the actual open area of the louver, approximately 45% of face area.

FIXED LE47 LIST PRICE @ SIZE - ORDER LE47 (Width x Height)



LE47's are special order items. Orders are non-cancellable and non-returnable.

Height	Width															
	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	
12"	\$224	\$259	\$298	\$332	\$368	\$431	\$469	\$517	\$556	\$648	\$682	\$725	\$759	\$802	\$836	
18"	\$266	\$307	\$353	\$427	\$483	\$524	\$574	\$637	\$686	\$804	\$847	\$896	\$937	\$983	\$1025	
24"	\$307	\$357	\$441	\$501	\$560	\$612	\$675	\$745	\$802	\$935	\$987	\$1039	\$1098	\$1152	\$1204	
30"	\$361	\$447	\$517	\$587	\$655	\$718	\$784	\$867	\$942	\$1091	\$1152	\$1215	\$1281	\$1340	\$1403	
36"	\$406	\$517	\$598	\$686	\$766	\$840	\$924	\$1036	\$1116	\$1298	\$1375	\$1452	\$1533	\$1610	\$1683	
42"	\$483	\$578	\$671	\$763	\$847	\$935	\$1036	\$1152	\$1246	\$1441	\$1529	\$1610	\$1701	\$1784	\$1886	
48"	\$522	\$619	\$727	\$822	\$920	\$1018	\$1123	\$1256	\$1355	\$1574	\$1669	\$1764	\$1859	\$1949	\$2062	
54"	\$581	\$689	\$802	\$903	\$1014	\$1113	\$1267	\$1414	\$1525	\$1732	\$1837	\$1942	\$2051	\$2152	\$2257	
60"	\$616	\$734	\$854	\$969	\$1084	\$1193	\$1323	\$1522	\$1642	\$1865	\$1977	\$2092	\$2211	\$2320	\$2435	
66"	\$668	\$802	\$935	\$1068	\$1200	\$1323	\$1463	\$1687	\$1823	\$2071	\$2198	\$2331	\$2464	\$2589	\$2726	
72"	\$710	\$850	\$990	\$1130	\$1274	\$1403	\$1557	\$1795	\$1938	\$2198	\$2340	\$2478	\$2618	\$2751	\$2891	
78"	\$763	\$906	\$1064	\$1207	\$1358	\$1498	\$1665	\$1918	\$2069	\$2338	\$2484	\$2635	\$2789	\$2939	\$3086	
84"	\$811	\$966	\$1134	\$1285	\$1445	\$1595	\$1773	\$2037	\$2198	\$2480	\$2631	\$2782	\$2977	\$3139	\$3293	
90"	\$850	\$1012	\$1183	\$1344	\$1515	\$1680	\$1861	\$2134	\$2306	\$2604	\$2767	\$2929	\$3146	\$3303	\$3467	
96"	\$906	\$1082	\$1270	\$1445	\$1631	\$1805	\$2008	\$2306	\$2491	\$2810	\$2988	\$3164	\$3401	\$3573	\$3754	

Add 10% for Angle (Flanged) Frames. Add \$21.67 per foot of width for Sill Extensions.

OPTIONS FOR LE47 & LE47A

FINISHES FOR LE47 & LE47A LOUVERS			
FINISH	APPLY APPROPRIATE MULTIPLIER BELOW TO LIST PRICE		Model LE47A
	Model LE47	Model LE47A	
Prime or Clear Lacquer	1.15	1.35	
LouverGard Std. Colors†	1.25	1.45	
Kynar™ Standard Colors (70% Kynar)	1.30	1.65	
Anodize 204-R1 Etch & Clear .7 Mils	1.30	1.50	
Anodize 215-R1 Etch & Clear .7 Mils	1.45	1.65	
Anodize Light, Med. Dk. Bronze or Black, .7 Mils	1.65	1.85	

OPTIONAL LOUVER SCREENS	
SCREEN TYPE	LIST/SQ. FT.
1/2" .063 aluminum screen	\$3.73
1/2" .047 aluminum screen	\$10.74
1/4" .047 aluminum screen	\$22.51
1/2" .041 galvanized screen	No Add
1/2" .063 galvanized screen	\$4.04
1/4" .041 galvanized screen	\$16.69
1/2" .047 stainless steel (304) screen	\$12.97
1/2" .063 stainless steel (304) screen	\$17.44
Aluminum insect screen	\$4.62
Galvanized insect screen	\$4.62
Stainless steel insect screen	\$7.45
No screen DEDUCT	\$5.06

The standard screen included in the base price of all LE47 & LE47A louvers is 1/2" .051 expanded aluminum.

†Available LouverGard colors:
 Bone White
 Parchment Yellow
 Citation Gold
 Sierra White
 Alamo Tan
 Squirrel Brown
 IBM Blue
 Dove Gray
 Hartford Green
 Aged Copper
 Santa Fe Red
 Slate Gray
 Brick Red
 Medium Bronze
 Dark Bronze
 Coal Black
 Charcoal Black
 Sandstone
 Buckskin
 Terra Cotta

LouverGard is a durable gloss baked enamel for use in protecting interior and exterior metal surfaces. It is formulated to withstand the rigors of weathering and corrosion.

NOTES:

Width and Height are wall opening sizes. Louvers are made 1/2" under size.



FEATURES

- Galvanized Aluminum
- Weather Resistant
- Available in Fixed or Adjustable Blades
- Bird Screen Standard
- Extremely Versatile - For Architectural Designs
- Many Options and Colors Available

Choosing the proper size LE47 or LE47A Free area is the actual open area of the louver, approximately 45% of face area.

- Divide the required CFM by the maximum recommended free area velocity (822 FPM).
- Select a louver from the free area chart that meets the minimum free area requirements.

EXAMPLE: 6000 CFM air flow

$$\text{Min. Free Area} = \frac{\text{Design CFM}}{\text{Max Recommended Velocity}} = \frac{6000}{822} = 7.299 \text{ Sq. Ft.}$$

Step #2

From the free area table the approximate louver size is 48" x 54" (7.79 Sq. Ft.).

LE47A FREE AREA IN SQUARE FEET

HEIGHT	WIDTH				
	12"	24"	36"	48"	60"
12"	0.20	0.45	0.71	0.96	1.22
24"	0.59	1.35	2.11	2.87	3.63
36"	1.11	2.56	4.01	5.45	6.90
48"	1.56	3.57	5.59	7.01	9.05
60"	1.97	4.53	7.08	9.64	12.20
72"	2.36	5.43	8.49	11.55	14.62
84"	2.74	6.30	9.86	13.41	16.97
96"	3.31	7.61	11.91	16.20	20.50



LE47A INTAKE LOUVER
(Adjustable Louver)
Shown with optional motor.

ADJUSTABLE LE47A LIST PRICE @ SIZE - ORDER LE47A (Width x Height)

Height	Width										Blades
	12"	18"	24"	30"	36"	42"	48"	54"	60"		
12"	\$305	\$339	\$377	\$416	\$454	\$522	\$563	\$655	\$693	1	
18"	\$382	\$427	\$479	\$556	\$619	\$668	\$718	\$847	\$899	2	
24"	\$452	\$504	\$598	\$662	\$727	\$788	\$854	\$994	\$1053	3	
30"	\$531	\$626	\$703	\$780	\$858	\$924	\$998	\$1154	\$1231	4	
36"	\$598	\$714	\$802	\$889	\$980	\$1057	\$1145	\$1330	\$1414	5	
42"	\$710	\$804	\$906	\$998	\$1095	\$1183	\$1288	\$1487	\$1581	6	
48"	\$811	\$913	\$1032	\$1134	\$1249	\$1351	\$1463	\$1694	\$1802	8	
54"	\$899	\$1012	\$1134	\$1246	\$1375	\$1480	\$1606	\$1893	\$2008	9	
60"	\$958	\$1088	\$1218	\$1340	\$1477	\$1595	\$1728	\$2040	\$2166	10	
66"	\$1032	\$1165	\$1301	\$1434	\$1581	\$1703	\$1852	\$2184	\$2320	11	
72"	\$1098	\$1238	\$1386	\$1529	\$1687	\$1820	\$1974	\$2327	\$2473	12	
78"	\$1186	\$1333	\$1504	\$1655	\$1827	\$1970	\$2145	\$2519	\$2681	13	
84"	\$1267	\$1425	\$1603	\$1764	\$1945	\$2100	\$2285	\$2677	\$2848	14	
90"	\$1368	\$1536	\$1725	\$1893	\$2092	\$2268	\$2460	\$2884	\$3065	16	
96"	\$1439	\$1617	\$1813	\$1994	\$2200	\$2379	\$2586	\$3031	\$3223	17	

Add 10% for Angle (Flanged) Frames. Add \$21.67 per foot of width for Sill Extensions.



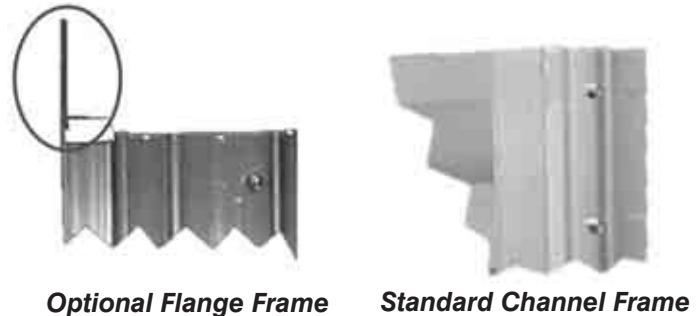
LE47A's are special order items. Orders are non-cancellable and non-returnable.

FOR MOTORIZED OR CHAIN PULL ACTUATOR LOUVERS, ORDER LE47A AND MOTOR OR CHAIN PULL ACTUATOR LISTED BELOW.

EDP NO.	ACTUATOR MODEL NUMBER	DESCRIPTION	VOLTAGE	LIST
81642	BCMA-405	115V Actuator	115V	\$1018
81640	BCMA-305	24V Actuator	24V	\$1113
81639	BCMA-419	230V Actuator	230V	\$1686
81637	MA6-405	115V Hazardous Location Actuator with Explosion Proof Motor & Linkage (no mtg. brackets included)	115V	\$5031
81645	Chain Actuator	Plated Steel Spring, 5' Chain, Wall Claw	-	\$160
81636	Panel Crank	Manual Hand Crank	-	\$430

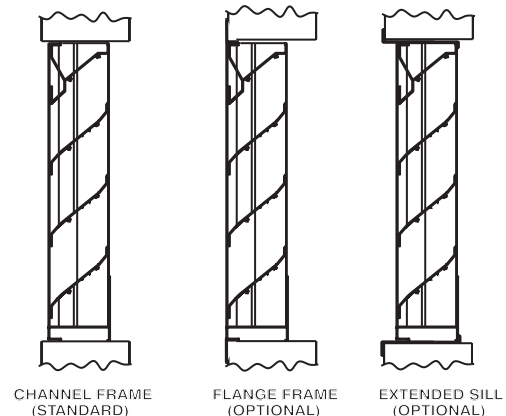
See form #LE47-186 for performance, Construction and Dimensional details. SELECT, SPECIFY AND ORDER LE47 (MANUAL) AND LE47A (MOTORIZED OR CHAIN PULL ACTUATOR) "WIDTH x HEIGHT". Transformer for 3 phase available.

NOTES:
LE47A Only - Jackshifting to use a single panel actuator on multi-panel louvers - \$2.16 per inch of width. Width and Height are wall opening sizes. Louvers are made 1/2" under size.



Optional Flange Frame Standard Channel Frame

LE47 and LE47A



CHANNEL FRAME (STANDARD)

FLANGE FRAME (OPTIONAL)

EXTENDED SILL (OPTIONAL)



WHOLE HOUSE FAN MODEL CHELSEA HVB



Quietest Whole House Fan Ever Made



FEATURES

- Compliments Air Conditioning
- Complete Household Ventilation From One Fan
- Horizontal or Vertical Installation
- Two Speed Switch Included
- Efficient Removal of Large Volumes of Air
- Whisper Quiet, Spring Floating Action
- Safety Fuse Cut Off Switch Turns Off Power to Fan When Air Temperature Reaches 165°

PERFORMANCE

Prop Dia.	0" S.P.	1/10" S.P.	Fan RPM	Dimensions L x W x D (Inches)	Ship Wt.
24"	5100/3400	4100/2800	600/400	27-1/2 x 27-1/2 x 16	63
30"	7400/4900	5800/3900	480/320	34-1/2 x 34-1/2 x 16	75
36"	9750/6500	7500/5050	400/265	40-1/2 x 40-1/2 x 16-1/8	89

115V, 2 SPEED SEMI-ENCLOSED MOTORS

◀ = EDP in stock

Prop Dia.	EDP Number	Catalog Number	HP	List Price
24"	◀32687	HVB24T	1/3	\$1223
30"	◀32688	HVB30T	1/3	\$1286
36"	◀32689	HVB36T	1/3	\$1488

Accessory Package containing springs, canvas boot, hangers hardware included in price. Safety fuse cut off switch turns fan off in the event of fire, also included in price.

SWITCHES

EDP Number	Catalog Number	Description	Temp. Range	List Price
24830	90015 (G1E1)	Time Switch (up to 12 Hours)	-	\$111
24820	T1	Temp. Switch (Wall Mt.)	45° - 85° F	\$179
90783	TS631	Temp. Switch (Attic Mt.)	70° - 140° F	\$176
90798	S1A1	Fuse Cut Off Switch	-	\$67

Note: The optional switches should not be used with voltages above 115 or motors over 3/4 HP.

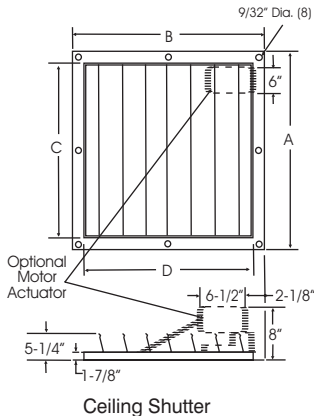
OPTIONAL CEILING SHUTTERS

Prop Dia.	EDP Number	Catalog Number	List Price
24"	32691	AS24A	\$184
30"	32692	AS30A	\$234
36"	32693	AS36A	\$269
36"	32694	AS36R	\$296

CEILING SHUTTER DIMENSIONS

Catalog Number	A	B	C	D	Framing	Ship Wt.
AS24A	25-1/2	25-1/2	23-1/4	23-1/4	23-1/2 x 23-1/2	13
AS30A	34-1/2	34-1/8	31-7/8	31-7/8	32-1/8 x 32-1/8	19
AS36A	38-1/2	38-1/2	36-1/4	36-1/4	36-1/2 x 36-1/2	24
AS36R	34-1/8	42-7/8	31-7/8	40-5/8	32-1/8 x 40-7/8	24

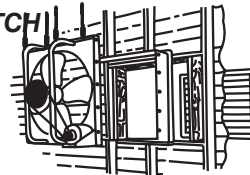
Note: The AS36R is rectangular to allow the HVB36 to be used in narrow hallways.



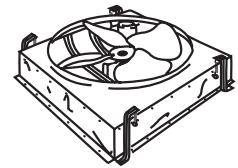
OPT. MOTOR CONVERSION KIT WITH SWITCH

Catalog Number	EDP Number	Used On	Volt	List Price
ASXP Kit	99794	AS24 - 36	115/230	\$256
A-LXP Kit 1	99790	ALWL 24, 30 & 36	115/230	\$267

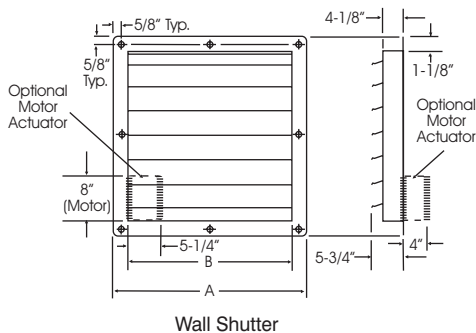
Motorized kits include motor, linkage and switch to energize the lower and/or shutter motor.



Vertical Installation



Horizontal Installation



OPTIONAL WALL SHUTTERS

Prop Dia.	EDP Number	Catalog Number	List Price
24"	32695	ALWL24	\$202
30"	32696	ALWL30	\$239
36"	32697	ALWL36	\$376

Attach only to outside wall of house.

WALL SHUTTER DIMENSIONS

Catalog Number	A	B	C	Ship Wt.
ALWL24	27-1/4	24	24	11
ALWL30	33-1/4	30	30	17
ALWL36	39-1/4	36	36	20

FAN/ACCESSORY SIZING

Zone Number House Volume Cubic Feet			Prop Dia.	ALWL Wall Shutter Size	AS Ceiling Shutter Size
1	2	3			
4000	6000	8000	24	24	24
6000	9000	12000	30	30	30
7000	11000	15000	36	36	36†

Determine your house location on the map. Find the zone number for your area 1, 2, or 3 - denoted by the heavy lines on the map. Calculate your house volume. Find the zone number and the volume in chart. Your fan and accessory size is shown in the right hand column.

†Rectangular size AS36R available for narrow halls, see Ceiling Shutter Dimension chart.



MOTOR CONTROLS - DISCONNECT SWITCHES & THERMOSTATS

THERMOSTATS

EDP No.	CAT. No.	Description	LIST PRICE
89576*	XRA-4	Thermostat (Wall Mt.) 60° to 100° F range	\$100
24820	T1	Temp. Switch (Wall Mt.) 45° to 85° range	\$179
90783	TS631	Temp. Switch (Attic Mt.) 70° to 140° range	\$176

*Single Phase for use up to 3/4HP

H-1 - HUMIDISTAT

EDP No.	LIST PRICE
24880	\$218

20% to 80% RH range

DISCONNECT SWITCHES DISCONNECT SWITCH ONLY (UNMOUNTED)

EDP No.	MAX HP	VOLTAGE/ PHASE	LIST PRICE
32698	1½	115/1/60	\$23
32699	2	230/1/60	\$96
32699	2	230/3/60	\$96
32699	2	460/3/60	\$96
32700	7½	230/3/60	\$332
32700	10	460/3/60	\$332

NOTE: Two speed motors require two disconnect switches. Choose switches from list above based on electrical and HP ratings of fan. Not available factory mounted.

DISCONNECT SWITCH SPECIAL ENCLOSURES ALL FAN MODELS

EDP No.	MAX HP	VOLTAGE/ PHASE	LIST PRICE
RAIN TIGHT NON FUSIBLE			
32709	1	115/1/60	\$382
32709	2	230/1/60	\$382
32711	7½	230/3/60	\$594
32711	10	460/3/60	\$594

EXPLOSION PROOF

Class I, GR C, D; Class II, GR E, F, G

EDP No.	MAX HP	VOLTAGE/ PHASE	LIST PRICE
32712	1	115/1/60	\$570
32712	2	230/1/60	\$570
32713	7½	230/3/60	\$732
32713	10	460/3/60	\$732

MOTOR CONTROLS - MANUAL MOTOR STARTERS

WALL MOUNT MOTOR CONTROLS - ALL FAN MODELS MANUAL MOTOR STARTER WITHOUT PROVISION FOR OVERLOAD PROTECTOR

EDP No.	MAX HP	VOLTAGE/PHASE	LIST
32701	1	115/1/60	\$96
32701	2	230/1/60	\$96
32700	7½	230/3/60	\$332
32700	10	460/3/60	\$332

MANUAL MOTOR STARTER WITH PROVISION FOR OVERLOAD PROTECTOR (PROTECTOR ELEMENTS NOT SUPPLIED)

EDP No.	MAX HP	VOLTAGE/PHASE	LIST
32702	1½	115/1/60	\$121
32702	2	230/1/60	\$121
32703	2	230/3/60	\$629
32703	2	460/3/60	\$629
32704	7½	230/3/60	\$513
32704	10	460/3/60	\$513

NOTE: When motor controls without overload are used protection should be provided in the line to prevent motor burnout.

TWO SPEED MANUAL MOTOR STARTER WITHOUT PROVISION FOR OVERLOAD PROTECTOR

EDP No.	MAX HP	VOLTAGE/PHASE	LIST
85388	3/4	115/1/60	\$34
32705	1	115/1/60	\$654
32705	2	230/1/60	\$654
ONE WINDING			
32706	1	230/3/60	\$873
32706	3	460/3/60	\$873
TWO WINDING			
32707	1	230/460/3/60	\$104
32708	3	230/460/3/60	\$1088

MOTOR CONVERSION KITS

For Motorized Wall Louvers Add Motor Kit From List Below

SUPPLY MOTOR KITS†

EDP No.	CAT No.	Description	List Ea.
22900	MK-5047-F	120/240 Volt, for 9" - 36" supply shutters	\$267
22905	MK-5047-C	440 Volt, for 9" - 36" supply shutters	\$245
22908	MK-5047-E	550 Volt, for 9" - 36" supply shutters	\$245
22910	MK-4782-F	120/240 Volt, for 42" supply shutters	\$431
22915	MK-4782-C	440 Volt, for 42" supply shutters	\$431
22918	MK-4782-E	550 Volt, for 42" supply shutters	\$411
22900	MK-5047-F	120/240 Volt, for 48" - 60" supply shutters**	\$267
22905	MK-5047-C	440 Volt, for 48" - 60" supply shutters**	\$245
22908	MK-5047-E	550 Volt, for 48" - 60" supply shutters**	\$245

Please specify voltage needed when ordering.
All units are for single phase operation.

****48" - 54" require 2 motor kits. 60" requires 3 motor kits**

†See Page 39 for WRE / WC selection and installation information and cautions.

NOTE: Shutter Motor Kits are "power open - spring close." The power opens the shutter and holds it open until the power is turned off, then a spring on the motor closes the shutter.

EXHAUST MOTOR KITS†

EDP No.	CAT No.	Description	List Ea.
22930	MK-4620-F	120/240 Volt, for 9" - 36" exhaust shutters	\$267
22935	MK-4620-C	440 Volt, for 9" - 36" exhaust shutters	\$267
22938	MK-4620-E	550 Volt, for 9" - 36" exhaust shutters	\$282
22940	MK-4621-F	120/240 Volt, for 42" exhaust shutters	\$431
22945	MK-4621-C	440 Volt, for 42" exhaust shutters	\$431
22948	MK-4621-E	550 Volt, for 42" exhaust shutters	\$410
22930	MK-4620-F	120/240 Volt, for 48" - 60" exhaust shutters*	\$267
22935	MK-4620-C	440 Volt, for 48" - 60" exhaust shutters*	\$267
22938	MK-4620-E	550 Volt, for 48" - 60" exhaust shutters*	\$282

Please specify voltage needed when ordering.

Units are for single phase operation.

***48" & 54" require 2 motor kits. 60" requires 3 motor kits.**

†See Page 39 for WRE / WC selection and installation information and cautions.

See Page 37 for WRHD Heavy Duty Shutter information.

MANUAL CHAIN OPERATORS FOR WRE EXHAUST SHUTTERS

EDP No.	Description	List
02684	For WRE 10" - 36" 1 Panel Shutter	\$138
02686	For WRE 42" - 54" 2 Panel Shutter	\$314
32686	For WRE 60" 3 Panel Shutter	\$420



EDP NUMBER CROSS REFERENCE



EDP No.	Catalog No.	Page No.	EDP No.	Catalog No.	Page No.	EDP No.	Catalog No.	Page No.
01518	Motor Capacitor	5, 14	12219	DJ-HSP20	14	21301	18MP-1/4	25
01600	Motor Capacitor	8, 12	12251	DJMMS-HE	14	21302	18M-1/4X	25
01633	Cord Replacement	5	12553	DJ24 Head Assy.	13	21303	18MP-1/4X	25
01683	Motor Capacitor	8, 12	12554	DJ30 Head Assy.	13	21310	24M-1/4	25
01723	DJ-SW-2S-PC	5, 8, 12, 14	20115	M24GBA	1	21311	24MP-1/4	25
01750	Safety Pins	14	20301	24LF16X	3	21312	24M-1/4X	25
02684	Manual Chain Oper.	28, 30, 32, 64	20321	24LW16X8	3	21313	24MP-1/4X	25
02686	Manual Chain Oper.	32, 64	20331	24LS16X	3	21320	24M-1/2	25
03033	Cord Lock Assy.	14	20341	24LI16X	3	21321	24MP-1/2	25
04310	Propeller Assy.	17	20351	30LF16X	3	21322	24M-1/2X	25
06004	End Dome Assy.	5	20371	30LW16X8	3	21323	24MP-1/2X	25
06883	WS10	28	20381	30LS16X	3	21330	24M-1	25
06884	WS12	28, 29, 32	20391	30LI16X	3	21331	24MP-1	25
06885	WS16E	28	20885	UP24BN-S	1	21332	24M-1X	25
06886	WS18E	28, 29, 32	20890	UP30BN-S	1	21333	24MP-1X	25
06887	WS24	29, 30, 32, 36, 38	20895	UP24LF16-S	1	21340	24M-3	25
06888	WS30	30, 32, 36, 38	20900	UP30LF16-S	1	21341	24MP-3	25
06889	WS36	30, 32, 36, 38	20915	M30GBA	1	21343	24MP-3X	25
06890	WS42	32, 36, 38	20917	642-24*MGB	1	21350	30M-1/2	25
06891	WS48	32, 36, 38	20918	967-24*MGB	1	21351	30MP-1/2	25
06892	WS54	38	20919	642-30*MGB	1	21352	30M-1/2X	25
06893	WS60	38	20920	967-30*MGB	1	21353	30MP-1/2X	25
06894	WS18	29, 30, 32	21007	967-3 SP	5	21360	30M-1-1/2	25
08380	Washdown Cradle Kit	17	21017	642-AC 3 SP	5	21361	30MP-1-1/2	25
08381	Washdown Cradle Kit	17	21025	1069 B	5	21362	30M-1-1/2X	25
08382	Washdown Cradle Kit	17	21035	1169 E	5	21363	30MP-1-1/2X	25
08383	Washdown Cradle Kit	17	21040	1269	5	21370	30M-3	25
11010	DJ-HSP	14	21050	1369	5	21371	30MP-3	25
11031	DJ-110V-HEM	14	21070	AC24-G	5	21373	30MP-3X	25
11070	DJ-30HGB	14	21070	AC24-G	8, 12	21380	36M-1-1/2	25
11080	DJ-24HGB	14	21080	AC30-G	5, 8, 12	21381	36MP-1-1/2	25
11453	DJ-CCM	14	21082	AC30GS	5	21382	36M-1-1/2X	25
11454	DJ-AK	14	21090	642-AC2SDP	5	21383	36MP-1-1/2X	25
11456	DJ-CM	8, 14	21095	24BA-1A	5, 17	21390	36M-2	25
11710	DJ-PB	14	21105	30BA-1A	5, 17	21391	36MP-2	25
11750	DJ-PC	14	21115	Propeller Assy.	17	21392	36M-2X	25
12000	DJ-MMS-DCS-2	14	21120	24HH-1	5	21393	36MP-2X	25
12001	DJ-DCS-2	14	21130	30HH-1	5	21410	42M-2	25
12002	DJ-EC-6	5, 14	21152	8CP-2B	1, 5	21411	42MP-2	25
12005	DJ-110V-HEM-DCS2	14	21153	I-2030B	8, 12	21413	42MP-2X	25
12008	DJ-EC-9	5, 14	21166	A786B-2	1, 5, 8, 12	21601	36MP-3	25
12009	DJ-EC-12	5, 14	21187	878W	1, 5	21603	36MP-3X	25
12013	2-SPDCS-HD	5	21191	700-U	1, 5	21621	42MP-5	25
12190	DJ-CRP	14	21203	CK-2	1, 5	21623	42MP-5X	25
12191	DJ-DCS	14	21204	Safety Kit	5, 8, 12, 14, 23	21631	48MP-7-1/2	25
12212	DJ-20HGB	14	21300	18M-1/4	25	21633	48MP-7-1/2X	25



EDP No.	Catalog No.	Page No.	EDP No.	Catalog No.	Page No.	EDP No.	Catalog No.	Page No.
21700	18M-1/4M	25	22031	48MP-7-1/2M	25	22423	42MP-5LX	25
21701	18MP-1/4M	25	22033	48MP-7-1/2MX	25	22431	48MP-7-1/2L	25
21702	18M-1/4MX	25	22100	18M-1/4L	25	22433	48MP-7-1/2LX	25
21703	18MP-1/4MX	25	22101	18MP-1/4L	25	22440	Air Blaster Accessory	26
21710	24M-1/4M	25	22102	18M-1/4LX	25	22441	Air Blaster Accessory	26
21711	24MP-1/4M	25	22103	18MP-1/4LX	25	22450	Air Blaster Accessory	26
21712	24M-1/4MX	25	22110	24M-1/4L	25	22451	Air Blaster Accessory	26
21713	24MP-1/4MX	25	22111	24MP-1/4L	25	22460	Air Blaster Accessory	26
21720	24M-1/2M	25	22112	24M-1/4LX	25	22461	Air Blaster Accessory	26
21721	24MP-1/2M	25	22113	24MP-1/4LX	25	22470	Air Blaster Accessory	26
21722	24M-1/2MX	25	22120	24M-1/2L	25	22471	Air Blaster Accessory	26
21723	24MP-1/2MX	25	22121	24MP-1/2L	25	22480	Air Blaster Accessory	26
21730	24M-1M	25	22122	24M-1/2LX	25	22490	Air Blaster Accessory	26
21731	24MP-1M	25	22123	24MP-1/2LX	25	22611	WC12	28, 29, 39
21732	24M-1MX	25	22130	24M-1L	25	22621	WC16	28, 29, 32, 39
21733	24MP-1MX	25	22131	24MP-1L	25	22631	WC18	28, 29, 30, 32, 39
21740	24M-3M	25	22132	24M-1LX	25	22641	WC24	29, 30, 32, 36, 38, 39
21741	24MP-3M	25	22133	24MP-1LX	25	22651	WC30	30, 32, 36, 38, 39
21743	24MP-3MX	25	22140	24M-3L	25	22660	12FG	32
21750	30M-1/2M	25	22141	24MP-3L	25	22661	WC36	30, 32, 36, 38, 39
21751	30MP-1/2M	25	22143	24MP-3LX	25	22671	WC42	32, 36, 38, 39
21752	30M-1/2MX	25	22150	30M-1/2L	25	22681	WC48	32, 36, 38, 39
21753	30MP-1/2MX	25	22151	30MP-1/2L	25	22691	WC54	38, 39
21760	30M-1-1/2M	25	22152	30M-1/2LX	25	22701	WC60	38, 39
21761	30MP-1-1/2M	25	22153	30MP-1/2LX	25	22747	WRHD48	32, 37
21762	30M-1-1/2MX	25	22160	30M-1-1/2L	25	22748	WRHD54	37, 38
21763	30MP-1-1/2MX	25	22161	30MP-1-1/2L	25	22749	WRHD60	37, 38
21770	30M-3M	25	22162	30M-1-1/2LX	25	22750	WR10E	28, 29, 32, 39
21771	30MP-3M	25	22163	30MP-1-1/2LX	25	22753	WR9E	28, 39
21773	30MP-3MX	25	22170	30M-3L	25	22754	WC9	28, 39
21777	Gear Box Assy.	5	22171	30MP-3L	25	22755	WC10	28, 29, 32, 39
21780	36M-1-1/2M	25	22173	30MP-3LX	25	22765	WR12E	28, 29, 39
21781	36MP-1-1/2M	25	22180	36M-1-1/2L	25	22775	WR16E	28, 29, 32, 39
21782	36M-1-1/2MX	25	22181	36MP-1-1/2L	25	22785	WR18E	28, 29, 30, 32, 39
21783	36MP-1-1/2MX	25	22182	36M-1-1/2LX	25	22795	WR24E	29, 30, 32, 36, 38, 39
21790	36M-2M	25	22183	36MP-1-1/2LX	25	22805	WR30E	30, 32, 36, 38, 39
21791	36MP-2M	25	22190	36M-2L	25	22815	WR36E	30, 32, 36, 38, 39
21792	36M-2MX	25	22191	36MP-2L	25	22825	WR42E	32, 36, 38, 39
21793	36MP-2MX	25	22192	36M-2LX	25	22835	WR48E	32, 36, 38, 39
21810	42M-2M	25	22193	36MP-2LX	25	22845	WR54E	38, 39
21811	42MP-2M	25	22210	42M-2L	25	22855	WR60E	38, 39
21813	42MP-2MX	25	22211	42MP-2L	25	22900	MK5047-F	28, 30, 32, 64
22001	36MP-3M	25	22213	42MP-2LX	25	22905	MK5047-C	30, 32, 64
22003	36MP-3MX	25	22401	36MP-3L	25	22908	MK5047-E	32, 64
22021	42MP-5M	25	22403	36MP-3LX	25	22910	MK-4782-F	32, 64
22023	42MP-5MX	25	22421	42MP-5L	25	22915	MK-4782-C	32, 64



EDP NUMBER CROSS REFERENCE

EDP No.	Catalog No.	Page No.	EDP No.	Catalog No.	Page No.	EDP No.	Catalog No.	Page No.
22918	MK-4782-E	32, 64	23670	18FG	29, 30, 32	25370	H30VEX76-1	31
22930	MK4620-F	28, 30, 32, 64	23675	24FG	29, 30, 32, 36, 38	25375	H30VEX836-1	31
22935	MK4620-C	30, 32, 64	23680	30FG	30, 32, 36, 38	25380	H30VEX836-3	31
22938	MK4620-E	32, 64	23685	36FG	30, 32, 36, 38	25385	H36V836-3	31
22940	MK4621-F	32, 64	23690	42FG	32, 36, 38	25390	H36V836-1	31
22945	MK4621-C	32, 64	23695	48FG	32, 36, 38	25395	H36V836-2	31
22948	MK-4621-E	32, 64	23700	54FG	38	25400	H36VEX836-3	31
23000	EPRSM7	28	23705	60FG	38	25405	H36VEX836-1	31
23001	EPRSM10	28	24100	10EPR16	28	25410	H36VEX836-2	31
23002	EPRSM12	28	24110	12EPR16	28	25415	H42V836-3	31
23003	EPRSM16	28	24120	16EPR16	28	25420	H42V836-1	31
23004	EPRSM18	28	24130	18EPR16	28	25425	H42V836-2	31
23005	EPRSM24	28	24201	PD18T-D3A	30	25435	H42VEX836-1	31
23007	EPRSM20	28	24211	PD24T-E3A	30	25440	H42VEX836-2	31
23008	EPRSM30	28	24221	PD30T-G3A	30	25445	H48V836-3	31
23021	PS-DB	59	24231	PD36R-G3A	30	25450	H48V836-2	31
23060	10EPR	28	24260	PD24T-E8A	30	25460	H48VEX836-2	31
23070	12EPR	28	24270	PD30T-GB	30	25602	PB24RA-F1A	35
23080	16EPR	28	24280	PD36R-G8	30	25612	PB24RA-G1A	35
23090	18EPR	28	24350	12EXG16	29	25622	PB30RA-F1A	35
23150	TBP-4	59	24360	16EXG16	29	25632	PB30RA-G1A	35
23151	TBP-6	59	24371	18EXG16A	29	25652	PB36RA-F1A	35
23159	TBK-4	59	24381	24EXG16A	29	25662	PB36RA-G1A	35
23160	TBK-6	59	24391	18EBX836A	29	25682	PB42RA-F1A	35
23161	TBK-6D	59	24401	24EBX836A	29	25692	PB42RA-G1A	35
23163	DF-4	59	24820	T-1	28, 30, 63, 64	25702	PB42RA-H3A	35
23164	DF-6	59	24830	90015 (G1E1)	63	25712	PB42RA-I3A	35
23165	BD-4	59	24848	374111	23	25722	PB48RA-G1A	35
23166	BD-6	59	24852	Switch	28, 30	25732	PB48RA-H3A	35
23168	DT-6	59	24855	485210	23, 28, 58, 59	25742	PB48RA-I3A	35
23169	DT-8	59	24860	596321	23	25801	PB24RA-F8A	35
23170	DF-8	59	24880	H-1	23, 58, 59, 64	25811	PB24RA-G8A	35
23171	BD-8	59	25300	H12V76-1	31	25821	PB30RA-F8A	35
23172	BD-10	59	25305	H16V76-1	31	25831	PB30RA-G8A	35
23605	12RG	29, 32	25310	H16V836-1	31	25851	PB36RA-F8A	35
23610	16RG	29, 32	25315	H18V76-1	31	25861	PB36RA-G8A	35
23615	18RG	29, 32	25320	H18V836-1	31	25881	PB42RA-F8A	35
23620	24RG	29, 32, 36, 38	25325	H18VEX76-1	31	25891	PB42RA-G8A	35
23625	30RG	30, 32, 36, 38	25330	H18V3EX836-1	31	25901	PB42RA-H8A	35
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STATE	MARKET	REPRESENTATIVE	PHONE #	FAX #
AL	Electrical / Industrial / HVAC	Suncoast Marketing	727-724-1916	727-724-8206
AK	Electrical	GM Sales	206-763-4010	206-763-9109
	Industrial / HVAC	Northcoast Manufacturers'	503-657-9427	503-657-7862
AZ	Industrial	Landmark Sales, Inc.	714-441-2884	714-441-2882
AR	Electrical/HVAC	Melton Electrical Sales	501-834-3154	501-834-6042
	Industrial	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
CA (N)	Electrical / Industrial / HVAC	C-E Sales & Marketing, Inc.	209-785-9451	209-785-9450
(S)	Industrial	Landmark Sales, Inc.	714-441-2884	714-441-2882
CO	Electrical / Industrial / HVAC	Koenig-Rickey, LLC	303-892-9229	303-893-5012
CT	Industrial	Contact Factory	517-764-2300	517-764-3838
	Electrical/HVAC	Zucco Company	203-762-0064	203-762-2550
DE	Electrical/HVAC	Trio Sales Agency	215-763-4200	215-763-4332
	Industrial	Joseph M. Hayden Assoc.	800-541-0768	610-359-1272
FL	Electrical / Industrial / HVAC	Suncoast Marketing	727-724-1916	727-724-8206
GA	Electrical / Industrial / HVAC	Suncoast Marketing	727-724-1916	727-724-8206
HI	Electrical / Industrial / HVAC	Meridian Pacific Sales Assoc.	808-237-8392	808-237-8391
ID	Electrical	GM Sales	206-763-4010	206-763-9109
	Industrial / HVAC	Northcoast Manufacturers'	503-657-9427	503-657-7862
IL (N)	Electrical	Pearson-Becker	847-593-1400	847-593-1420
(N)	Industrial	Durrie Sales	630-595-5595	630-595-5858
(N)	HVAC	Contact Factory	517-764-2300	517-764-3838
(S)	Electrical/HVAC	Schaeffer Marketing Group	314-894-1100	314-894-2155
(S)	Industrial	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
Rock Island/ Henry Counties	Electrical / Industrial / HVAC	Sharp Sales & Engineering	402-376-1489	402-376-3064
IN	Electrical	Electra Products, Inc.	317-247-5665	317-247-0880
	Industrial	InCon Marketing Group	937-299-8637	937-299-8633
	Automotive	Advantage Marketing Ser.	888-591-5222	330-562-1056
	HVAC	Contact Factory	517-764-2300	517-764-3838
Lake County	Electrical	Pearson-Becker	847-593-1400	847-593-1420
	Industrial	Durrie Sales	630-595-5595	630-595-5858
IA	Electrical / Industrial / HVAC	Sharp Sales & Engineering	402-376-1489	402-376-3064
KS	Electrical / Industrial / HVAC	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
KY	Electrical/HVAC	GM Sales/Louisville	502-412-4181	502-412-4183
	Industrial	InCon Marketing Group	937-299-8637	937-299-8633
	Automotive	Advantage Marketing Ser.	888-591-5222	330-562-1056
Boone, Kenton, Campbell Cty's.	Electrical / Industrial / HVAC	Curtis Sales Corp.	419-396-6829	419-396-1809
LA	Electrical / Industrial / HVAC	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
ME	Electrical	New England Electrical Sales	603-434-6705	603-426-5218
	Industrial / HVAC	Contact Factory	517-764-2300	517-764-3838
MD	Electrical	Metro Electrical Assoc.	301-855-1105	410-535-5611
MA	Electrical	New England Electrical Sales	603-434-6705	603-426-5218
	Industrial / HVAC	Contact Factory	517-764-2300	517-764-3838
MI Lower	Electrical	Young & Champagne	313-491-6500	313-491-4630
	Industrial	R.L.E. & Associates	989-725-8784	989-725-8757
	HVAC	Contact Factory	517-764-2300	517-764-3838
Upper	Electrical	Electrical Solutions Plus, Inc.	414-321-8509	414-321-8609
MN	Electrical / Industrial / HVAC	Electrical Solutions Plus, Inc.	414-321-8509	414-321-8609
MS	Electrical / Industrial / HVAC	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
MO (E)	Electrical/HVAC	Schaeffer Marketing Group	314-894-1100	314-894-2155
(E)	Industrial	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
(W)	Electrical / Industrial / HVAC	Belmont Enterprises, Inc.	713-673-4000	713-673-4242





STATE	MARKET	REPRESENTATIVE	PHONE #	FAX #
MT	Electrical	GM Sales	206-763-4010	206-763-9109
	Industrial / HVAC	Northcoast Manufacturers'	503-657-9427	503-657-7862
NE	Electrical / Industrial / HVAC	Sharp Sales & Engineering	402-376-1489	402-376-3064
NV	Electrical / Industrial / HVAC	C-E Sales & Marketing, Inc.	209-785-9451	209-785-9450
(E)	HVAC	TWC Products	801-381-5625	801-386-5479
Clark Co.	Industrial	Landmark Sales, Inc.	714-441-2884	714-441-2882
NH	Electrical	New England Electrical Sales	603-434-6705	603-426-5218
	Industrial / HVAC	Contact Factory	517-764-2300	517-764-3838
NJ (N)	Electrical / Industrial / HVAC	N.S. Carr Company	732-643-9001	732-643-9499
(S)	Electrical/HVAC	Trio Sales Agency	215-763-4200	215-763-4332
(S)	Industrial	Joseph M. Hayden Assoc.	800-541-0768	610-359-1272
NM	Electrical / Industrial / HVAC	Koenig-Rickey, LLC	303-892-9229	303-893-5012
NY (N)	Electrical / Industrial / HVAC	Mills Talbot Company	315-637-0511	315-637-0512
(S)	Electrical / Industrial / HVAC	N.S. Carr Company	732-643-9001	732-643-9499
(N)	Automotive	Advantage Marketing Ser.	888-591-5222	330-562-1056
NC	Electrical / Industrial / HVAC	M. James Bezanson & Assoc.	704-528-3005	704-528-3006
ND	Electrical / Industrial / HVAC	Electrical Solutions Plus, Inc.	414-321-8509	414-321-8609
OH	Automotive	Advantage Marketing Ser.	330-562-5999	330-562-1056
	Electrical / Industrial / HVAC	Curtis Sales Corp.	419-396-6829	419-396-1809
OK	Electrical / Industrial / HVAC	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
OR	Electrical	GM Sales	206-763-4010	206-763-9109
	Industrial / HVAC	Northcoast Manufacturers'	503-657-9427	503-657-7862
PA (E)	Electrical/HVAC	Trio Sales Agency	215-763-4200	215-763-4332
(E)	Industrial	Joseph M. Hayden Assoc.	800-541-0768	610-359-1272
(W)	Electrical / Industrial / HVAC	Fauth Sales Company	724-742-9445	724-742-9446
(W)	Automotive	Advantage Marketing Ser.	888-591-5222	330-562-1056
RI	Electrical	New England Electrical Sales	603-434-6705	603-426-5218
	Industrial / HVAC	Contact Factory	517-764-2300	517-764-3838
SC	Electrical / Industrial / HVAC	M. James Bezanson & Assoc.	704-528-3005	704-528-3006
SD	Electrical / Industrial / HVAC	Electrical Solutions Plus, Inc.	414-321-8509	414-321-8609
TN	Electrical / Industrial / HVAC	Suncoast Marketing	727-724-1916	727-724-8206
TX	Electrical / Industrial / HVAC	Belmont Enterprises, Inc.	713-673-4000	713-673-4242
UT	Electrical / Industrial	Koenig-Rickey, LLC	303-892-9229	303-893-5012
	HVAC	TWC Products	801-381-5625	801-386-5479
VT	Electrical	New England Electrical Sales	603-434-6705	603-426-5218
	Industrial / HVAC	Contact Factory	517-764-2300	517-764-3838
VA	Electrical / Industrial / HVAC	M. James Bezanson & Assoc.	704-528-3005	704-528-3006
North Tip	Electrical	Metro Electrical Assoc.	301-855-1105	410-535-5611
WA	Electrical	GM Sales	206-763-4010	206-763-9109
	Industrial / HVAC	Northcoast Manufacturers'	503-657-9427	503-657-7862
Washington DC	Electrical	Metro Electrical Assoc.	301-855-1105	410-535-5611
	Industrial	Joseph M. Hayden Assoc.	800-541-0768	610-359-1272
WV	Electrical / Industrial / HVAC	Fauth Sales Company	724-742-9445	724-742-9446
	Automotive	Advantage Marketing Ser.	888-591-5222	330-562-1056
WI (E)	Electrical	Electrical Solutions Plus, Inc.	414-321-8509	414-321-8609
(E)	Industrial	Durrie Sales	630-595-5595	630-595-5858
	HVAC	Contact Factory	517-764-2300	517-764-3838
(W)	Electrical / Industrial	Electrical Solutions Plus, Inc.	414-321-8509	414-321-8609
WY	Electrical / Industrial	Koenig-Rickey, LLC	303-892-9229	303-893-5012
(W)	HVAC	TWC Products	801-381-5625	801-386-5479

Dir. Sales/Mktg.
Reg. Mgr.

Mike Pignataro
Gary Pritts

913-402-9170 (Kansas)
517-795-7593 (Cell)



COMMERCIAL PRODUCT WARRANTY

AIRMASTER® FAN COMPANY warrants to the original user that the equipment shipped will be the kind and quality described in the specifications and to be free from defects in material and workmanship under normal use and service. Liability for defects of material and workmanship in the motor are excepted from the AIRMASTER® Warranty, but are covered in the warranty of the motor manufacturer.

AIRMASTER® FAN COMPANY will rectify defects in material or workmanship within one year from date of shipment by the factory, provided the Company receives immediate written notice of such defects and such claims are substantiated to its satisfaction. Correction of such defects by repair or replacement at company's option, F.O.B. the Company's factory, shall constitute the sole obligation under this warranty.

This warranty does not include accessories or any part of the unit which has subjected to misuse, neglect, accident, or damage caused by flood, fire or act of God. UNDER NO CIRCUMSTANCES IS AIRMASTER® FAN COMPANY liable for labor costs incurred in installation or removal for repairs. UNDER NO CIRCUMSTANCES IS AIRMASTER® FAN COMPANY LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES DUE TO FAILURE TO MEET THE CONDITIONS OF ANY WARRANTY. NO LIABILITY OF ANY NATURE IS ASSUMED BY THE COMPANY FOR FAILURE TO MAKE DELIVERY DUE TO ANY ACT OR CONDITION BEYOND ITS REASONABLE CONTROL.

THIS WARRANTY DOES NOT APPLY TO CONSUMER PRODUCTS,
SEE CONSUMER PRODUCT WARRANTY BELOW.

LIMITED ONE-YEAR CONSUMER WARRANTY

On products intended for personal, family or household purposes, the following limited warranty applies instead of the COMMERCIAL Warranty.

AIRMASTER® warrants to the original consumer purchaser that this product is free from defects in material and workmanship for one year from provable date of purchase.

AIRMASTER will repair or replace, at its option, defective parts at no charge, within this warranty period, provided the product is returned freight prepaid with proof of purchase date to: AIRMASTER® FAN COMPANY, 1300 FALAHEE RD., JACKSON, MI 49203. The obligation under this warranty does not include responsibility for any transportation expenses. **PRODUCT WILL BE RETURNED TO THE CONSUMER FREIGHT COLLECT.**

This warranty is void as to any part that has been improperly installed, overloaded, abused or altered in any manner.

This warranty does not cover incidental or consequential damages arising from any defect of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

No one is authorized to assume any liability on behalf of AIRMASTER® or impose any obligation on it in connection with the sale of any product other than as outlined above.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

(PRICES SUBJECT TO CHANGE WITHOUT NOTICE)













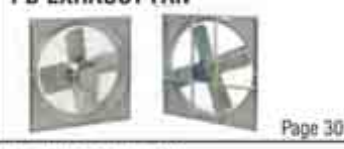






















Due to AIRMASTER®'s commitment to Total Quality Management,
technical specifications are subject to change without notice.



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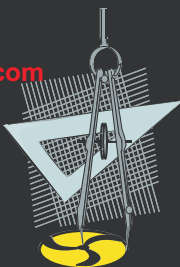
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