



# Airmaster® FAN COMPANY

## 2010 Catalog & Price Book Effective January 1, 2010



Price: \$4.95



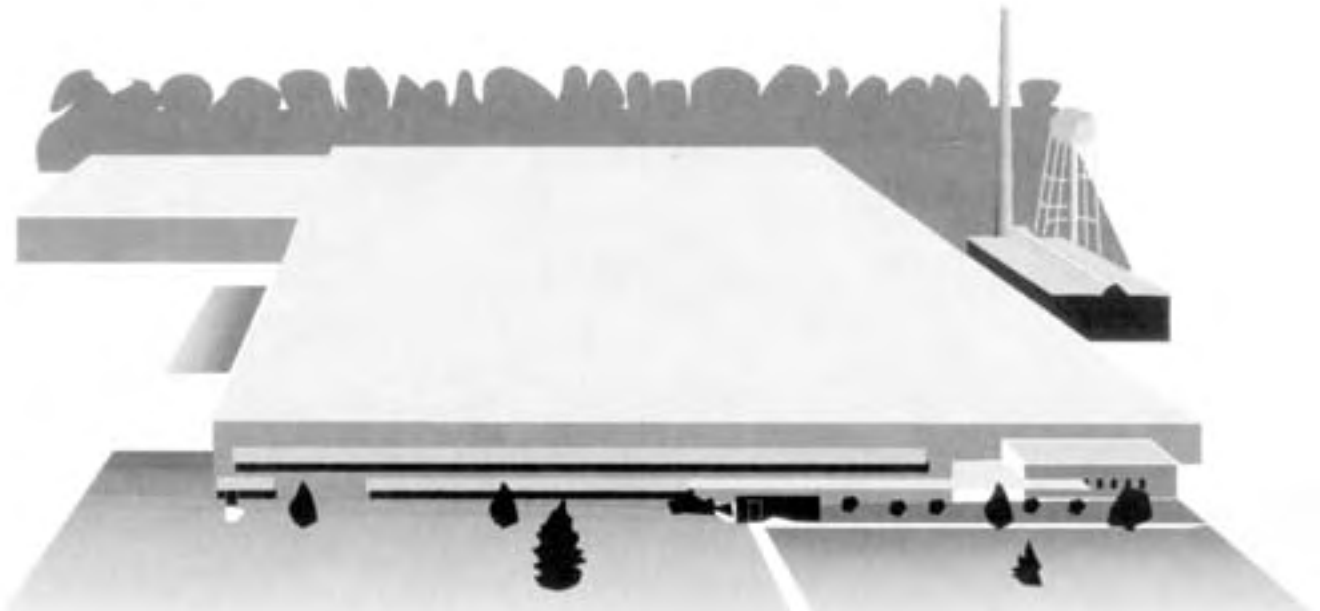
Airmaster® Fan Company traces its roots to the Diehl Fan Company, who patented the first practical electrical fan in 1886.

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



## CONTACTS

<i>DEPARTMENT</i>	<i>NAME</i>	<i>EXT.</i>	<i>E-MAIL</i>
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<b>DIRECTOR OF SALES &amp; MARKETING</b>	Mike Pignataro Cell:	1304 517. 795.7589	mapin@sbcglobal.net

## CUSTOMER SERVICE

Phone: **517.764.2300**

Fax: **517.764.3838**

E-mail: **sales@airmasterfan.com**

### TO PLACE ORDERS . . .

- |  |  |
|--|--|
| 1.) <b>FAX:</b> TOLL FREE 800-255-3084                                 | 4.) <b>MAIL ORDERS TO:</b><br>Airmaster Fan Company<br>1300 Falahee Road / PO Box 968<br>Jackson, MI 49204 |
| 2.) <b>PHONE:</b> 517-764-2300   |  |
| 3.) <b>FAX OR PHONE YOUR LOCAL<br/>AIRMASTER® SALES REPRESENTATIVE</b> | 5.) <b>E-MAIL AIRMASTER® :</b><br>sales@airmasterfan.com   |



# Airmaster® FAN COMPANY



# HEAVY-DUTY AIR CIRCULATORS - 115V

## PEDESTAL, WALL, I-BEAM & CEILING MOUNT FANS

### Non-Oscillating



**5 Year Warranty - Ultra Quiet**



#### 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
- 1/5 HP (18" & 20") and 1/3 HP (24" & 30"), 115V, 1 Phase, Totally Enclosed, Ball Bearing Motor
- 26" Base (18" & 20"); 32" Base (24" & 30")
- Patented Modular Motor End Dome for easy maintenance
- UPS Shippable
- All Stocked

#### PERFORMANCE 115V

Prop Dia.	CFM			RPM			Motor Number	F.L. Amps
	High	Med.	Low	High	Med.	Low		
18"	2600	2113	1805	1125	915	780	642J (Non-Osc.)	1.41
20"	3100	2060	1657	1120	745	600	642J (Non-Osc.)	1.65
24"	5588	4556	3325	1110	900	700	642 (Non-Osc.)	2.5
30"	8402	6259	4463	1098	880	660	642 (Non-Osc.)	2.7

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

#### 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	HP	Ship Wt.	List Price
18"	Pedestal Fan	20892	UP18LF16-S	1/5	65	\$560
	Wall Mount	20899	UP18LW16-S8	1/5	45	\$470
	I-Beam Mount	20906	UP18LI16-S	1/5	48	\$545
	Ceiling Mount	20911	UP18LS16-S	1/5	49	\$450
20"	Pedestal Fan	20893	UP20LF16-S	1/5	66	\$580
	Wall Mount	20902	UP20LW16-S8	1/5	46	\$498
	I-Beam Mount	20907	UP20LI16-S	1/5	49	\$575
	Ceiling Mount	20912	UP20LS16-S	1/5	50	\$478
24"	Pedestal Fan	20895	UP24LF16-S	1/3	85	\$761
	Wall Mount	37144	UP24LW16-S8	1/3	56	\$677
	I-Beam Mount	37139	UP24LI16-S	1/3	58	\$739
	Ceiling Mount	37137	UP24LS16-S	1/3	50	\$651
30"	Pedestal Fan	20900	UP30LF16-S	1/3	91	\$823
	Wall Mount	37145	UP30LW16-S8	1/3	60	\$738
	I-Beam Mount	37140	UP30LI16-S	1/3	63	\$799
	Ceiling Mount	37138	UP30LS16-S	1/3	55	\$724

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.

#### MOTOR TILT ADJUSTMENTS

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

0° = Horizontal Plane

#### ASSEMBLED FAN HEADS

*Motor, Propeller & Guard Assembled*

#### NON-OSCILLATING MODELS - 642 MOTOR

Prop Dia.	Fan Style	EDP Number	Catalog No.	HP	Ship. Wt.	List Price
24"	Head Assembly	20115	M24GBA	1/3	41	\$619
30"	Head Assembly	20915	M30GBA	1/3	47	\$679

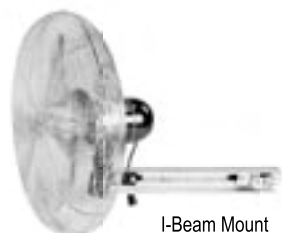
#### MOUNTINGS

*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.)	13	\$95
FLOOR BASE	21165	A786B-1	For use with 8CP-2B pedestal on 18" and 20" fans.	17	\$88
	21166	A786B-2	For use with 8CP-2B pedestal on 24" and 30" fans.	34	\$90
WALL BRACKET	21187	878W	Use for HD air circulator wall mountings. Includes Safety Cable Kit.	10	\$99
I-BEAM BRACKET	21191	700-U	Use for HD air circulator I-Beam mountings. Includes Safety Cable Kit.	14	\$162
CEILING BRACKET	21203	CK-2	Use for HD air circulator ceiling mount (non-oscillating only). Extension pipe not included. Includes Safety Cable Kit.	5	\$71

NOTES:

See page 6 for optional accessories and component parts for fan head assemblies.



I-Beam Mount



# HEAVY-DUTY AIR CIRCULATORS - 115V

## PEDESTAL, WALL, I-BEAM & CEILING MOUNT FANS

### Oscillating

**5 Year Warranty - Ultra Quiet**

**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
- 1/5 HP (18" & 20") and 1/3 HP (24" & 30"), 115V, 1 Phase, Totally Enclosed, Ball Bearing Motor
- 26" Base (18" & 20"); 32" Base (24" & 30")
- Patented Modular Motor End Dome for easy maintenance
- UPS Shippable
- All Stocked

**PERFORMANCE 115V**

Prop Dia.	CFM			RPM			Motor Number	F.L. Amps
	High	Med.	Low	High	Med.	Low		
18"	2600	2113	1805	1125	915	780	967J (Osc.)	1.41
20"	3100	2060	1657	1120	745	600	967J (Osc.)	1.65
24"	5387	4356	3125	1070	850	628	967 (Osc.)	2.5
30"	7996	5859	4063	1045	789	561	967 (Osc.)	2.9

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



Adjustable Pedestal

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

**OSCILLATING MODELS - 967 MOTOR**

Prop Dia.	Fan Style	EDP Number	Catalog No. 115V	HP	Ship Wt.	List Price
18"	Pedestal Fan	20894	UP18BN-S	1/5	71	\$740
	Wall Mount	20903	UP18WN-S8	1/5	51	\$680
	I-Beam Mount	20908	UP18IN-S	1/5	54	\$738
	Ceiling Mount	N/A	N/A	---	---	---
20"	Pedestal Fan	20898	UP20BN-S	1/5	72	\$790
	Wall Mount	20904	UP20WN-S8	1/5	52	\$730
	I-Beam Mount	20909	UP20IN-S	1/5	55	\$780
	Ceiling Mount	N/A	N/A	---	---	---
24"	Pedestal Fan	20885	UP24BN-S	1/3	89	\$1176
	Wall Mount	37129	UP24WN-S8	1/3	60	\$1092
	I-Beam Mount	37147	UP24IN-S	1/3	63	\$1153
	Ceiling Mount	N/A	N/A	---	---	---
30"	Pedestal Fan	20890	UP30BN-S	1/3	95	\$1236
	Wall Mount	37135	UP30WN-S8	1/3	64	\$1152
	I-Beam Mount	37148	UP30IN-S	1/3	67	\$1215
	Ceiling Mount	N/A	N/A	---	---	---



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

**MOTOR TILT ADJUSTMENTS**

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

0° = Horizontal Plane

**NOTES:**

Oscillating motor not to be used upside down.  
See page 6 for optional accessories.



# HEAVY-DUTY AIR CIRCULATORS - 230/460V



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.	F.L. Amps
24"	5739	1140	1069	1.2/1.6
30"	8723	1140	1069	1.2/1.6

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

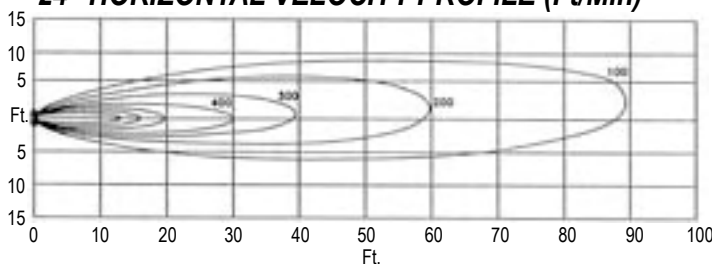
## NON-OSCILLATING MODELS

Prop Dia.	Fan Style	EDP Number	Catalog No. 230/460V	HP	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	1/4	70	\$1123
	Wall Mount Fan 21187 (878W Wall Brkt. with Safety Cable)	20620K	24LW368	1/4	49	\$1005
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20640K	24LI36	1/4	49	\$1067
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20630K	24LS36	1/4	39	\$978
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	1/4	77	\$1185
	Wall Mount Fan 21187 (878W Wall Brkt. with Safety Cable)	20670K	30LW368	1/4	56	\$1067
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20690K	30LI36	1/4	56	\$1127
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20680K	30LS36	1/4	46	\$1039

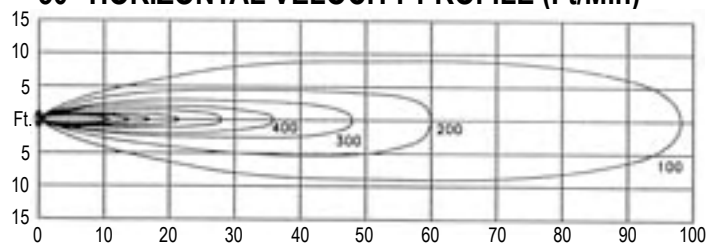
## FAN VELOCITY PROFILES

Represents all 1/4 & 1/3 HP Heavy Duty Air Circulators.  
(See Page 5 for 1 HP Industrial Spot Cooler Profiles.)

24" HORIZONTAL VELOCITY PROFILE (Ft/Min)



30" HORIZONTAL VELOCITY PROFILE (Ft/Min)



# HEAVY DUTY HAZARDOUS LOCATION AIR CIRCULATORS

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

### 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	1.1/1.55
30"	8723	1140	1169	115/230	6.9/3.5
30"	8723	1140	1269	230/460	1.1/1.55

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. 115V/230V Exp. Proof	HP	Ship Wt.	List Price
24"	Pedestal Fan	20301	UP24LF16X	1/4	111	\$1257
	Wall Mount	20321	UP24LW16X8	1/4	78	\$1138
	I-Beam Mount	20341	UP24LI16X	1/4	82	\$1198
	Ceiling Mount	20331	UP24LS16X	1/4	74	\$1111
30"	Pedestal Fan	20351	UP30LF16X	1/4	116	\$1319
	Wall Mount	20371	UP30LW16X8	1/4	82	\$1200
	I-Beam Mount	20391	UP30LI16X	1/4	87	\$1260
	Ceiling Mount	20381	UP30LS16X	1/4	77	\$1172

### 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. 230V/460V Exp. Proof	HP	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	1/4	100	\$1429
	Wall Mount Fan 21187 (878W-Tilted Wall Brkt with Safety Cable)	20470K	24LW36X8	1/4	79	\$1310
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20490K	24LI36X	1/4	79	\$1372
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20480K	24LS36X	1/4	69	\$1283
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	1/4	107	\$1491
	Wall Mount Fan 21187 (878W-Tilted Wall Brkt with Safety Cable)	20520K	30LW36X8	1/4	86	\$1373
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20540K	30LI36X	1/4	86	\$1433
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20530K	30LS36X	1/4	76	\$1345

#### 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.



Motor is UL Listed



**Explosion Proof Motor for Class 1, Group D & Class II, Groups E, F & G See page 43 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.





# HEAVY DUTY INDUSTRIAL SPOT COOLERS

## Non-Oscillating 208/230/460V



Ultra High Velocity Air Flow



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:

- 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.	F.L. 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

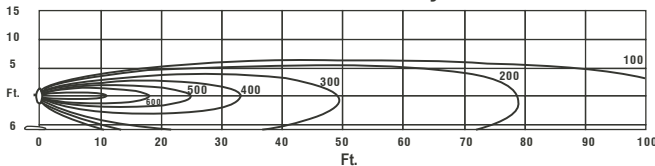
Prop Dia.	Fan Style	EDP Number	Catalog No. 208/230/460V Non-Osc.	HP	Ship Wt.	List Price
All 24" Kitted Components consist of: 21050 (1369 Motor); 21070 (AC24-G Guard Assembly); 21120 (24HH-1 Prop); plus mounting listed below						
24"	Pedestal Fan 21152 (8CP-2B Pedestal) 21166 (A786-2 Base)	20750K	24HF36	1	89	\$1219
	Wall Mount Fan 21187 (878W-Tilted Wall Brkt. with Safety Cable)	20770K	24HW36	1	68	\$1100
	I-Beam Mount Fan 21191 (700-U I-Beam Brkt. with Safety Cable)	20790K	24HI36	1	68	\$1161
	Ceiling Mount Fan 21203 (CK-2 Ceiling Kit with Safety Cable)	20780K	24HS36	1	58	\$1073
<b>UNIT PACKS - Motor, Specified Mounting, Propeller &amp; Guard Shipped in Single Carton</b>						
30"	Pedestal Fan	20840	30HF36	1	96	\$1284
	Wall Mount Fan	20860	30HW36	1	83	\$1164
	I-Beam Mount Fan	20880	30HI36	1	83	\$1225
	Ceiling Mount Fan	20870	30HS36	1	65	\$1137

### MOTOR TILT ADJUSTMENTS

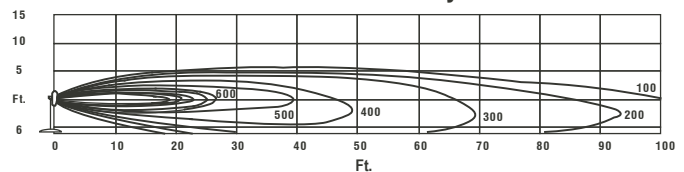
TYPE	TILT (IN DEGREES)	
	NON-OSCILLATING	
	UP	DOWN
FLOOR	20°	10°
WALL	20°	15°
I-BEAM	20°	20°
CEILING	8°	20°

0° = Horizontal Plane

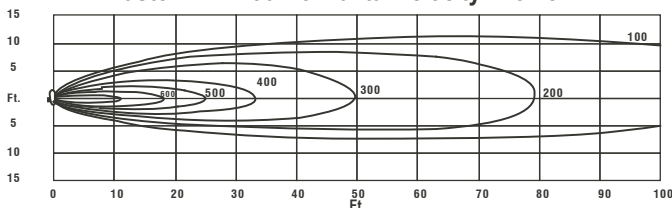
Airmaster® 24HF36 Vertical Velocity Profile



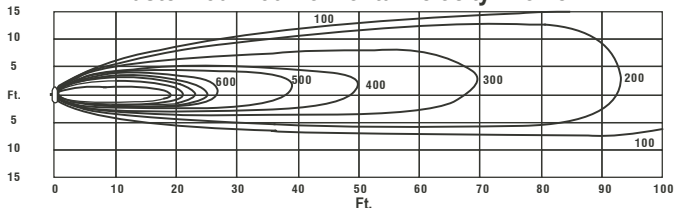
Airmaster® 30HF36 Vertical Velocity Profile



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.





EDP NUMBER	CAT. NUMBER	DESCRIPTION	F.L. AMPS	SHIP WT.	LIST	
<b>MOTORS</b>						
21021	967J	Single-phase, three speed, 115 volt, 1/5 HP, ball bearing, oscillating, 5/8" shaft (use only on standard 18" and 20" oscillating fans). Use BA-1A Propeller NOTE: Oscillating Motor NOT to be used in UPSIDE-DOWN position (1)	1.65	24	\$526	
21007	967-3 SP.	Single-phase, three speed, 115 volt, 1/3 HP, ball bearing, oscillating, 5/8" shaft (use only on standard 24" and 30" oscillating fans). Use BA-1A Propeller NOTE: Oscillating Motor NOT to be used in UPSIDE-DOWN position (1)	2.7	23	\$751	
21777		Gear box assembly for 967J and 967-3SP			\$174	
03915		End dome assembly for 967J and 967-3SP (includes capacitor)			\$62	
21022	642J	Single-phase, three speed, 115 volt, 1/5 HP, ball bearing, non-oscillating, 5/8" shaft (use only on standard 18" and 20" non-oscillating fans). Use BA-1A Propeller (2)	1.65	18	\$264	
21017	642-AC 3 SP.	Single-phase, three speed, 115 volt, 1/3 HP, ball bearing, non-oscillating, 5/8" shaft (use only on standard 24" and 30" non-oscillating fans). Use BA-1A Propeller (2)	2.8	19	\$378	
06004		End dome assembly for 642J and 642-AC-3SP (includes capacitor)			\$49	
21090	642-AC2SDP	Single phase, 2-speed, 115 volt, 1/3 HP, ball bearing, non-oscillating motor with 2-speed drop cord switch. Use with BA-1A propeller (3)		19	\$397	
12013	2-SPDCS-HD	Modular end dome with drop cord and 2 speed switch. For 642 Motor Only. (4)		2	\$82	
21025	1069 B*	Three-phase, 1 Sp., 230/460 volt, 1/4 HP, ball bearing, use only on non-oscillating fans. Use BA-1A Propeller (5)	1.2/1.6	16	\$731	
21035	1169 E*	Single-phase, single-speed, 115/230 volt, 1/4 HP, ball bearing for Class.I Group D and Class.II, Groups E, F & G. (Use only on explosion-proof, non-oscillating fans with BA-1A Propeller). (6)	6.9/3.5	48	\$889	
21040	1269*	Three-phase, single-speed, 230/460 volt, 1/4 HP, ball bearing (use only on non-oscillating, explosion-proof fans). Use BA-1A Propeller, Class I Group D, Class II, Groups E, F & G. (7)	1.1/1.55	33	\$1085	
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	\$946	
<b>*Explosion proof and 3 phase air circulator motors are not supplied with switches or power cords.</b>						
<b>GUARDS</b>						
71000	C-1820G	18" / 20" guard (use on all 18" and 20" oscillating & non-oscillating fans). Nickel Chrome Plated.		11	\$ 89	
21070	AC24-G	24" guard (use on all 24" oscillating & non-oscillating fans) Nickel Chrome Plated.		14	\$110	
21080	AC30-G	30" guard (use on all 30" oscillating & non-oscillating fans) Nickel Chrome Plated.		20	\$162	
21082	AC30GS	30" Bolt fastened safety guard (pat. no. 4,861,230) Zinc.		18	\$195	
70761	AC30GSS	30" Stainless steel guard		18	\$547	
<b>PROPELLERS</b>						
21101	18BA-1	18" Propeller - 5/8" bore. Cast Aluminum.		4	\$149	
21102	20BA-1	20" Propeller - 5/8" bore. Cast Aluminum.		5	\$159	
21095	24BA-1A	24" Propeller - 5/8" bore. Cast Aluminum.		5	\$176	
21105	30BA-1A	30" Propeller - 5/8" bore. Cast Aluminum.		6	\$186	
21120	24HH-1	24" Propeller, 5/8" bore (use only on 24" high velocity spot coolers.) Galvanized.		8	\$76	
21130	30HH-1	30" Propeller, 5/8" bore (use only on 30" high velocity spot coolers.) Galvanized.		9	\$89	
<b>PEDESTAL (Adjustable)</b>						
21152	8CP-2B	5' to 8' pedestal (fits all Heavy Duty fans.)		13	\$95	
<b>FLOOR BASE</b>						
21165	A786B-1	For use with 18" and 20" oscillating & non-oscillating fans with 8CP-2B pedestal.		17	\$88	
21166	A786B-2	For use with 24" and 30" oscillating & non-oscillating fans with 8CP-2B pedestal.		34	\$90	
<b>WALL BRACKET (15° Tilt Built In)</b>						
21187	878W	Use for HD air circulator wall mountings. Includes Safety Cable Kit.		10	\$99	
<b>I-BEAM BRACKET</b>						
21191	700-U	Use for HD air circulator I-Beam mountings. Includes Safety Cable Kit.		14	\$162	
<b>CEILING BRACKET</b>						
21203	CK-2	Use for HD air circulator ceiling mount (non-oscillating only). Extension pipe not included. Includes Safety Cable Kit.		5	\$71	
<b>ACCESSORIES</b>						
21204	Safety Kit	12' of 1/16" diameter cable, two clamp and instructions. This safety cable kit is available for retrofit applications.		1	\$23	
12002	DJ-EC-6	6' extension cord - for use with 642-AC2SDP Drop Cord Motor - Yellow		1	\$21	
12008	DJ-EC-9	9' extension cord - for use with 642-AC2SDP Drop Cord Motor - Yellow		2	\$22	
12009	DJ-EC-12	12' extension cord - for use with 642-AC2SDP Drop Cord Motor - Yellow		2	\$24	
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.		7	\$63	
01633		15' Cord Replacement		2	\$24	
01723		2SP/3SP Pull Chain Switch		2	\$14	

NOTES:  
Explosion Proof and 3 Phase air circulator motors are not supplied with switches or power cords. Must be hard wired.  
See page 43 for further Explosion Proof Motor information.



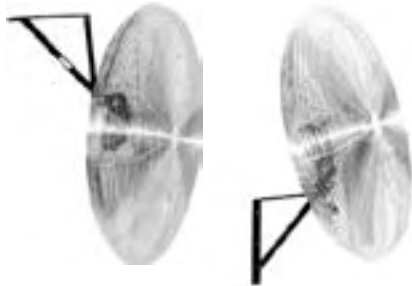
# INDUSTRIAL AIR CIRCULATORS - 115V NON-OSCILLATING UNIT PACKS



All Parts Packaged in One UPS Shippable Carton



Adjustable Floor Model



Non-Oscillating  
Ceiling Mount / 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

- 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
- Galvanized Steel Propeller
- 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 (TEAO)	2.6
20"	2670	---	2035	1615	---	1240	I-1820TEM (TEAO)	2.6
24"	5220	4020	2820	1080	700	540	I-3A (TEAO)	3.0
30"	7185	5300	3415	1080	700	540	I-3A (TEAO)	3.0

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	UPI-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	UPI-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

## 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

## ASSEMBLED FAN HEADS



Industrial Head Assembly

## 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 (2-SP)	1/15*	1	24	\$251
20"	Head Assembly	37114	I-20TEHA (2-SP)	1/15*	1	27	\$262
24"	Head Assembly	37209	I-24-2 (3-SP)	1/3	1	37	\$401
30"	Head Assembly	37212	I-30** (3-SP)	1/3	1	48	\$433

†Motor, Guard, Propeller Pre-Assembled.

\* Motor is 2-speed.

\*\*30" Head Assembly is UPS OverSize 2.

See page 9 for Mounting Options



**All Parts Packaged in One UPS Shippable Carton**

**FEATURES**

- 2 Mounting Options
- Guard Meets OSHA Standards
- 115V, 60 Hz, 1/3 HP, 1 Phase, 3 Speed, Totally Enclosed Ball Bearing Motors
- Galvanized Steel Propeller
- 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	3.2
30"	7794	5943	5143	1091	871	759	0-3B	3.2

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 (3-SP)	1/3	86	\$608
	Wall Mount*	71565	I-24-OIW (3-SP)	1/3	57	\$553
30"	Adjustable Floor	71568	I-30-OAP (3-SP)	1/3	95	\$638
	Wall Mount*	71566	I-30-OIW (3-SP)	1/3	61	\$595

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.

**MOTOR TILT ADJUSTMENTS**

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

0° = Horizontal Plane



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.



## OSCILLATING ASSEMBLED FAN HEADS

**OSCILLATING ASSEMBLED FAN HEADS †**

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
24"	Head Assembly	71610	24-IAC-MGBO (3-SP)	1/3	46	\$497
30"	Head Assembly	38422	30-IAC-MGBO (3-SP)	1/3	56	\$530

†Motor, Guard, and Propeller Pre-Assembled  
Note: Oscillating fan heads are NOT to be used in upside down position.  
30" Head Assembly is UPS OverSize 2.

See page 9 for Mounting Components.



Industrial Head Assembly



# INDUSTRIAL AIR CIRCULATOR COMPONENT PARTS



	EDP Number	Cat. Number	Description	F.L. Amps	Wt.	List
	<b>MOTORS</b>					
	70013	I-1820TEM	Shaded pole, 1/15HP, 2 Speed, TEAO, 115V, ball bearing, 1/2" shaft diameter, 2 spd switch, 10' cord & plug. (1)	2.6	10	\$174
	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)	3.0	22	\$283
	37430	0-3B	Single-phase, three-speed, 115 volt, 1/3HP, TEAO, ball bearing, oscillating, 5/8" shaft dia. (3) NOTE: Oscillating Motor NOT to be used in the UPSIDE-DOWN position.	3.2	22	\$305
	01683 01600		Capacitor for 78019 motors. Capacitor for 37430 motors.		1 1	\$7 \$7
	<b>GUARDS</b>					
	71000 21070 21080	C-1820G AC24G AC30G	18"-20" guard - use on I-1820TEM motor. 24" guard. 30" guard.		11 14 20	\$89 \$110 \$162
	<b>PROPELLERS - Galvanized</b>					
	70740	I-18B	18" propeller - use on I-1820TEM motor. (1)		3	\$47
	72100	I-20B5	20" propeller - use on I-1820TEM motor. (1)		3	\$56
	73300	I-24B2A2	24" propeller. (1)		5	\$58
	73400	I-30B2A	30" propeller. (1)		5	\$63
<b>PEDESTALS</b>						
	73101	I-2030AP	5' to 8' adjustable floor model. (2)		12	\$60
	<b>BASES</b>					
	21153 21166	I-2030B A-786B-2	Open base. (1) Solid base. (2)		24 34	\$84 \$90
	<b>WALL/CEILING MOUNT BRACKET (Patented)</b>					
	75002	C-2030W	For use with industrial air circulators. Not for use with oscillating motors in ceiling mount mode. May be used with EDP# 37430 oscillating motor in wall mount mode if motor tilt isn't more than 35°. Safety Cable Kit included. (1)		5	\$47
	<b>CEILING MOUNT BRACKET</b>					
	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	\$73
<b>WALL MOUNT BRACKET</b>						
	37772	IAC-WB	Use with industrial oscillating and non-oscillating motors. Includes Safety Cable Kit. (3)		7	\$52
	<b>SUSPENSION MOUNT BRACKET</b>					
	75003	C-2030S	Use with industrial & commercial & non-oscillating air circulators. Includes Safety Cable Kit.		3	\$36
	<b>I-BEAM MOUNT BRACKET</b>					
	37784	IAC-BM-1	For use with I-Beam mounting. Includes Safety Cable Kit. NOT FOR USE WITH OSCILLATING MOTORS		13	\$112
	<b>SAFETY CABLE</b>					
	21204	Safety Kit	12' of 1/16" diameter cable, two (2) cable clamps and instructions		3	\$23
	<b>ACCESSORIES</b>					
	70601	AMFW30K	Snap-on wheel kit with set screw lock for all 18" to 30" Airmaster Pedestal Fans, except I-2030B.		5	\$63
	01723		2 SP/3 SP Pull Chain Switch		2	\$14



# 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°
- Nickel Chrome 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

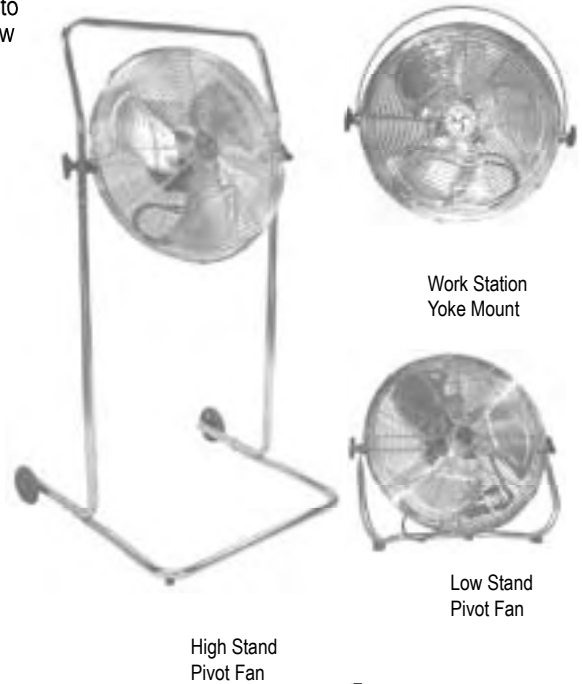
Prop Dia.	CFM			RPM			F. L. Amps
	High	Med	Low	High	Med	Low	
12"	1448	1165	953	1500	1350	1180	0.5
18"	2966	2437	2013	1600	1350	1180	1.65
20"	3390	2755	2295	1600	1350	1180	1.9

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	10	\$109
	Work Station Yoke Mount	78971	I-12YM	1/16	11	\$111
18"	Low Stand Pivot Fan	78974	I-18LS	1/8	15	\$150
	High Stand Pivot Fan*	78969	I-18HS	1/8	23	\$195
	Work Station Yoke Mount	78972	I-18YM	1/8	17	\$153
20"	Low Stand Pivot Fan	78975	I-20LS	1/5	17	\$159
	Work Station Yoke Mount	78970	I-20YM	1/5	19	\$162

\*4" Diameter Wheels



High Stand Pivot Fan

Work Station Yoke Mount

Low Stand Pivot Fan



## TOTALLY ENCLOSED MOTOR HIGH VELOCITY LOW STAND FAN

### FEATURES

- 18" Propeller Size
- Four Position Easy Reach Switch with 10' Three Conductor Cord and Plug
- Adjusts 360°
- Nickel Chrome Guards Meet OSHA Regulations
- 115V, 1 Phase, 3 Speed, Totally Enclosed, Ball Bearing Motor
- Chrome Yoke Mount Included
- Aluminum 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	20	\$169



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

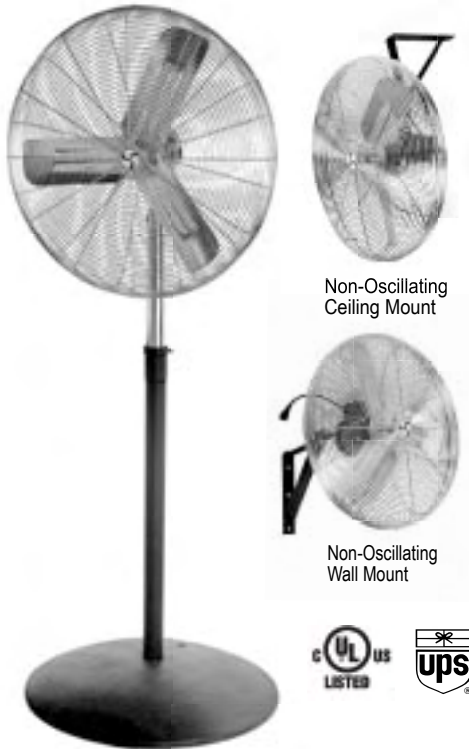
**Both Mounts in Same Box**



# COMMERCIAL AIR CIRCULATORS - 115V NON-OSCILLATING PEDESTAL & WALL/CEILING MOUNTS



**Affordable Quality**



Adjustable Floor Model Solid Base

Non-Oscillating Ceiling Mount

Non-Oscillating Wall Mount

### FEATURES

- Packaged in One UPS Shippable Carton
- Adjustable Pedestal (43" - 63")
- 26" Base Diameter
- Wall/Ceiling Mounts with Safety Cable Included
- All Stocked
- 115V, 1/4 HP Non-Oscillating, 1 Phase, 3 Speed, Totally Enclosed Air Over Ball Bearing Motor
- Galvanized Steel Propeller
- 2 Year Warranty
- 15' 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	
24"	4400	3460	2460	1100	800	600	3.5
30"	6100	4400	2700	1100	800	600	3.5

### MOTOR TILT ADJUSTMENTS

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

### 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.)	71584	CA24APE (3-SP)	1/4	82	\$397
	Wall/Ceiling Mount	71572	CA24WC (3-SP)	1/4	42	\$310
30"	Adjustable Floor (S.B.)	71586	CA30APE (3-SP)	1/4	87	\$408
	Wall/Ceiling Mount	71573	CA30WC (3-SP)	1/4	49	\$321

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

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.

## NON-OSCILLATING HEAD ASSEMBLIES



Non-Oscillating Head Assembly

### 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	3.5
30"	6100	4400	2700	1100	800	600	3.5

### ASSEMBLED FAN HEADS (Non-Oscillating)

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
18"	Head Assembly	37113	I-18TEHA (2-SP)	1/15*	24	\$251
20"	Head Assembly	37114	I-20TEHA (2-SP)	1/15*	25	\$262
24"	Head Assembly	71590	CA24 (3-SP)	1/4	39	\$290
30"	Head Assembly	71591	CA30** (3-SP)	1/4	48	\$300

Motor, Guard and Propeller Pre-assembled.

\* Motor is 2 speed.

\*\*30" Head Assembly is UPS OverSize 2.

See page 13 for Mounting Options for Assembled Fan Heads.

**FOR FLOOR / COUNTER MODEL FANS -  
SELECT ASSEMBLED HEAD; PEDESTAL - 73000; AND BASE - 77000 (page 13)**





## Affordable Quality

### FEATURES

- Packaged in One UPS Shippable Carton
- Adjustable Pedestal (5' - 8')
- 32" Diameter Base
- Wall/Ceiling Mounts with Safety Cable Included
- All Stocked
- 115V, 1/3 HP, Oscillating, 1 Phase, 3 Speed, Totally Enclosed Air Over Ball Bearing Motor
- Galvanized Steel Propeller
- 2 Year Warranty
- 15' 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	
24"	4400	3460	2460	1100	800	600	3.2
30"	6100	4400	2700	1100	800	600	3.2

### 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 (3-SP)	1/3	78	\$501
	Wall Mount	71583	CA24OW (3-SP)	1/3	46	\$370
30"	Adjustable Floor (S.B.)	71581	CA30OAP (3-SP)	1/3	95	\$524
	Wall Mount	71582	CA30OW (3-SP)	1/3	57	\$394

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



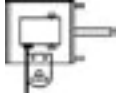
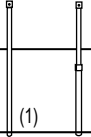
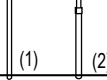
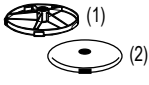
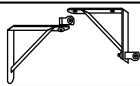



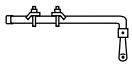



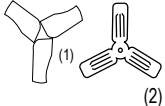
Oscillating Adjustable Pedestal



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.



	EDP Number	Catalog Number		Ship Wt.	List Price	
	<b>MOTORS</b>					
	78018	C-1A	Commercial Non-Oscillating motor, 1/4 HP, 3.5 Amp, 1 Phase, 3 Speed, TEAO, ball bearing, 5/8" dia. shaft, 15' Power Cord.	19	\$228	
	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	\$305	
	70013	I-1820TEM	Shaded pole, 1/15HP, 2 Speed, TEAO, 115V, ball bearing, 1/2" shaft diameter, 2-Sp. switch, 10' cord & plug.	10	\$174	
	<b>CAPACITORS</b>					
	01683 01600		Capacitor for 78018 Motor Capacitor for 37430 Motor	1 1	\$7 \$7	
	<b>PEDESTALS</b>					
	73000 73101	C-2030NP I-2030AP	5' high floor model. Top section provides 33 1/2" counter model. Use only with C-2030B Base. (1) 5' to 8' adjustable floor model. (2)	7 12	\$49 \$60	
	<b>BASES</b>					
	77000 21153 21165 21166	C-2030B I-2030B A-786B-1 A-786B-2	Use with C-2030NP. (1) Open base for counter model. Open base. (1) Solid base, 26" dia. (2) Solid base, 32" dia. (2)	17 24 17 34	\$94 \$84 \$88 \$90	
		<b>WALL/CEILING MOUNT BRACKET (Patent #5033711)</b>				
		75002	C-2030W	Use with commercial air circulators. Not for use with oscillating motors in ceiling mount. Includes Safety Cable Kit.	5	\$47
	<b>WALL MOUNT BRACKET</b>					
	37772	IAC-WB	Recommended for use with oscillating and non-oscillating motors. Includes Safety Cable Kit.	7	\$52	
	<b>CEILING MOUNT BRACKET</b>					
	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	\$73	
	<b>SUSPENSION MOUNT BRACKET</b>					
	75003	C-2030S	Use with commercial & industrial non-oscillating air circulators. Includes Safety Cable Kit.	3	\$36	
	<b>I-BEAM MOUNT BRACKET</b>					
	37784	IAC-BM-1	For use with I-Beam mounting. Includes Safety Cable Kit. NOT FOR USE WITH OSCILLATING MOTORS	13	\$112	
	<b>SAFETY CABLE</b>					
	21204	Safety Kit	12' of 1/16" diameter cable, two (2) cable clamps and instructions	3	\$23	
	<b>ACCESSORIES</b>					
	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	\$63 \$14	
	<b>GUARDS</b>					
	71000 21070 21080	C-1820G AC24G AC30G	18" - 20" guard - use on I-1820TEM motor. 24" Guard. 30" Guard.	11 14 20	\$89 \$110 \$162	
		<b>PROPELLERS</b>				
		70740 72100 72458 73058	I-18B I-20B5 C-24B2 C-30B	18" Propeller - use on I-1820TEM motor (1) 20" Propeller - use on I-1820TEM motor (1) 24" Propeller with 5/8" bore, includes bushing to adapt propeller to fit motors with 1/2" shaft (2). 30" Propeller with 5/8" bore, includes bushing to adapt propeller to fit motors with 1/2" shaft. (2)	3 3 5 7	\$47 \$56 \$58 \$63



### High Visibility, Low Maintenance

#### 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

#### 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.

#### 115V MODELS

#### 2-SPEED PULL CHAIN SWITCH

#### 2-SPEED DROP CORD SWITCH

Prop Dia.	Fan Style	EDP Number	Catalog No.	Ship Wt.	List Price	HP	EDP Number	Catalog No.	Ship Wt.	List Price	
20"	All 20" Kitted components consist of: 11031 (DJ-110V-HEM Motor); 12212 (DJ-20HGB Guard with Prop) plus mounting listed below.							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			
	Pedestal Mount 11710 (DJ-PB/1 Base) 11750 (DJ-PC Pedestal)	12200K	DJ-PF20-2SPH	78	\$715	1/3	12201K	DJ-PF20-2SPH-DC	81	\$764	
	Adapter Kit Model 11454 (DJ-AK Adapter Kit with Safety Cable)	12202K	DJ-AKF20-2SPH	46	\$548	1/3	12203K	DJ-AKF20-2SPH-DC	49	\$598	
	Wall Mount 37772 (IAC-WM Wall Mount with Safety Cable)	12204K	DJ-WMF20-2SPH	51	\$606	1/3	12205K	DJ-WMF20-2SPH-DC	54	\$654	
	Ceiling / Bench Mount 11456 (DJ-CM Ceil./Bench Mount with Safety Cable)	12206K	DJ-CMF20-2SPH	51	\$585	1/3	12207K	DJ-CMF20-2SPH-DC	54	\$633	
	Channel Mount 11453 DJ-CCM (Channel Beam Mt. with Safety Cable)	12208K	DJ-CCM20-2SPH	58	\$634	1/3	12209K	DJ-CCM20-2SPH-DC	61	\$684	
	Beam Mount 37784 (IAC-BM-1 Beam Mount with Safety Cable)	12210K	DJ-BMF20-2SPH	58	\$615	1/3	12211K	DJ-BMF20-2SPH-DC	61	\$663	
24"	All 24" Kitted components consist of: 11031 (DJ-110V-HEM Motor); 11080 (DJ-24HGB Guard with Prop) plus mounting listed below.							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			
	Pedestal Mount 11710 (DJ-PB/1 Base) 11750 (DJ-PC Pedestal)	10501K	DJ-PF24-2SPH	82	\$730	1/3	10731K	DJ-PF24-2SPH-DC	85	\$779	
	Adapter Kit Model 11454 (DJ-AK Adapter Kit with Safety Cable)	10101K	DJ-AKF24-2SPH	50	\$565	1/3	10733K	DJ-AKF24-2SPH-DC	53	\$612	
	Wall Mount 37772 (IAC-WM Wall Mount with Safety Cable)	10401K	DJ-WMF24-2SPH	55	\$621	1/3	10740K	DJ-WMF24-2SPH-DC	58	\$671	
	Ceiling / Bench Mount 11456 (DJ-CM Ceil./Bench Mount with Safety Cable)	10301K	DJ-CMF24-2SPH	55	\$602	1/3	10738K	DJ-CMF24-2SPH-DC	58	\$650	
	Channel Mount 11453 DJ-CCM (Channel Beam Mt. with Safety Cable)	10203K	DJ-CCM24-2SPH	62	\$651	1/3	10735K	DJ-CCM24-2SPH-DC	65	\$700	
Beam Mount 37784 (IAC-BM-1 Beam Mount with Safety Cable)	10204K	DJ-BMF24-2SPH	62	\$631	1/3	10750K	DJ-BMF24-2SPH-DC	65	\$681		
30"	All 30" Kitted components consist of: 11031 (DJ-110V-HEM Motor); 11070 (DJ-30 HGB Guard with Prop) plus mounting listed below.							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			
	Pedestal Mount 11710 (DJ-PB/1 Base) 11750 (DJ-PC Pedestal)	10551K	DJ-PF30-2SPH	89	\$745	1/3	10732K	DJ-PF30-2SPH-DC	92	\$795	
	Adapter Kit Model 11454 (DJ-AK Adapter Kit with Safety Cable)	10151K	DJ-AKF30-2SPH	54	\$580	1/3	10734K	DJ-AKF30-2SPH-DC	57	\$629	
	Wall Mount 37772 (IAC-WM Wall Mount with Safety Cable)	10451K	DJ-WMF30-2SPH	59	\$636	1/3	10741K	DJ-WMF30-2SPH-DC	62	\$686	
	Ceiling / Bench Mount 11456 (DJ-CM Ceil./Bench Mount with Safety Cable)	10351K	DJ-CMF30-2SPH	59	\$603	1/3	10739K	DJ-CMF30-2SPH-DC	62	\$663	
	Channel Mount 11453 DJ-CCM (Channel Beam Mt. with Safety Cable)	10253K	DJ-CCM30-2SPH	66	\$665	1/3	10736K	DJ-CCM30-2SPH-DC	69	\$715	
Beam Mount 37784 (IAC-BM-1 Beam Mount with Safety Cable)	10254K	DJ-BMF30-2SPH	66	\$647	1/3	10737K	DJ-BMF30-2SPH-DC	68	\$694		



Pedestal Mount

**Patented Modular Motor End Dome for easy maintenance**

#### SAFETY HEAD ASSEMBLIES 1/3HP

EDP Number	Catalog Number	Ship Wt.	List Price
12553	DJ24 HEAD ASSY	58	\$568
12554	DJ30 HEAD ASSY	55	\$583



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.

#### NOTES:

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

Cord and Plug supplied with 1 Phase Models.

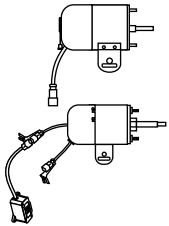
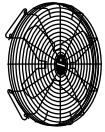
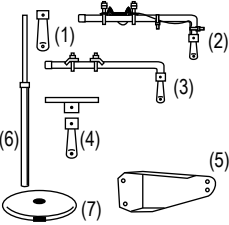
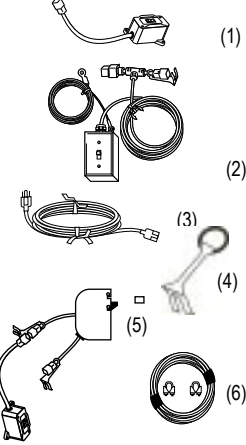
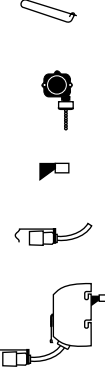
See page 15 for Component Parts & Accessories.



# HEAVY DUTY SAFETY YELLOW AIR CIRCULATORS

## Component Parts / Accessories



	EDP Number	Catalog Number	Description	Ship Wt.	List Price
	(1)		<b>MOTORS</b>		
	11031	DJ-110V-HEM	High efficiency, 115V, 2.7A, 2 speed, 1/2" shaft dia., 1/3 HP, TE ball bearing motor with modular end dome and recessed pull chain switch. Used with 20, 24 or 30 inch fans. (1)	19	\$337
	12005	DJ-110V-HEM-DCS2	Above 115V, 2.7 Amp, 1/3 HP, TE motor with 2 speed drop cord switch. (2)	19	\$400
			<b>GUARD &amp; PROPELLER COMPONENTS</b>		
	12212	DJ-20HGB	20" Hinged Guard (yellow PVC coated) and Propeller.	20	\$214
	11080 11070	DJ-24HGB DJ-30HGB	24" Hinged Guard (yellow PVC coated) and Propeller. 30" Hinged Guard (yellow PVC coated) and Propeller.	30 32	\$230 \$246
			<b>MOUNTING COMPONENTS</b>		
	11454	DJ-AK	Adapter Kit - Used with 20, 24 or 30 inch fans. (1)	3	\$38
	11453	DJ-CCM	Channel Mount - Used with 20, 24 or 30 inch fans. (2)	14	\$122
	37784	IAC-BM-1	Beam Mount - Used with 20, 24 or 30 inch fans. (3)	13	\$112
	11456	DJ-CM	Ceiling/Bench Mount - Used with 20, 24 or 30 inch fans. (4)	7	\$73
	37772	IAC-WB	Wall Mount - Used with 20, 24 or 30 inch fans. (5)	7	\$52
	11750 11710	DJ-PC DJ-PB	Yellow Pedestal Column - Used with 20, 24 or 30 inch fans. (6) Yellow Pedestal Base - Used with 20, 24 or 30 inch fans. (7)	12 33	\$81 \$123
			<b>SAFETY FAN ACCESSORIES</b>		
	12001	DJ-DCS-2	Drop cord with 2 speed switch. (1)	1	\$36
	12191	DJ-DCS	15' drop cord with 1 speed switch (Patent #4,672,234). (2)	2	\$120
	12002	DJ-EC-6	6' extension cord - for use with 2 speed drop cord switch. (3)	1	\$21
	12008	DJ-EC-9	9' extension cord - for use with 2 speed drop cord switch. (3)	1	\$22
	12009	DJ-EC-12	12' extension cord - for use with 2 speed drop cord switch. (3)	1	\$24
	12000	DJ-MMS-DCS-2	Modular end dome with drop cord and 2 speed switch. (5)	2	\$81
03033		Cord Lock Assembly (4)	1	\$4	
21204	SK	Safety cable kit - 12' of 1/16" cable and 2 clamps. (6)	3	\$23	
			<b>SAFETY FAN REPLACEMENT PARTS</b>		
	12219	DJ-HSP20	Guard safety pins. (set of 3) (1) For 20" fan.	1	\$9
	11010	DJ-HSP	Guard safety pins. (set of 4) (1) For 24" & 30" fans.	1	\$13
	01750		Guard safety pins. (1 pin only) (1) For 24" & 30" fans.	1	\$9
	01723	DJ-SW-2S-PC	Switch - pull chain. (2)	2	\$14
	01518	DJ-CAP-HE	Capacitor - 7.5 MF. (3)	1	\$14
12192	DJ-CRP	Cord and plug. (4)	2	\$28	
12251	DJMMS-HE	Modular Motor Shell (complete with switch, 7.5 MF capacitor & male connector.) (5)	1	\$67	

NOTE:  
Adapter Kit is used to adapt fan head to 1/2" (11 1/2 threads/inch) pipe mounts.



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

## MISTING PEDESTAL and PEDESTAL BARREL FANS

### 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
- 10 Foot Cord and Plug Included
- 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	HP	Ship Wt.	List Price
30"	Pedestal Barrel	60031	AMF30B	1/3	96	\$916
30"	Pedestal Fan	60034	AMF30-1	1/3	75	\$780



Pedestal Barrel - Blue

Pedestal Fan - White

## MISTING BARREL FANS

### FEATURES

- 1 Year Warranty
- 5 Nozzle Misting Head
- Water Output - up to 6 Gallons/Hour
- 10 Foot Cord with GFCI Plug
- Indoor/Outdoor 115V, 1/4 HP, 1 Phase, 3 Speed (20" or 2 Speed (24" and 30"), Waterproof Motor with Waterproof Push Button Switch
- 14 Foot Water Hose Connection
- 20 Gauge Roll Formed Housing
- UL and OSHA Compliant Guards
- Epoxy Powder Coated Housing and Guards

### PERFORMANCE 115V

Prop Dia.	Fan Style	CFM			RPM			Watts
		High	Med	Low	High	Med	Low	
20"	Barrel Fan	7000	5654	4200	1500	1350	1150	200
24"	Barrel Fan	7700	---	6475	1100	---	950	245
30"	Barrel Fan	9100	---	7200	1100	---	950	302

### 115V MODELS

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	Ship Wt.	List Price
20"	Barrel Fan	78925	20MBF	1/4	39	\$362
24"	Barrel Fan	78926	24MBF	1/4	46	\$427
30"	Barrel Fan	78927	30MBF	1/4	56	\$534



Barrel Fan - Silver





# STAINLESS STEEL FOOD SERVICE WASHDOWN® 115V and 115/230V AIR CIRCULATOR



BISSC Approved



Stainless Steel Floor Model



Stainless Steel Wall Model

## FEATURES

- Constructed with Electro-polished 304 Stainless Steel Meets the USDA and the NSF Requirements for "Food Zones".
- All Stainless Steel Motor
- Motor Washdown Specification is IEC-IP55
- Non-Oscillating, 115V, 1/15 HP (20") and 115/230V, 1/4 HP (24"), 1/3 HP (30"), 1 Phase, TENV, Ball Bearing, BISSC Approved Motor
- 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 (20") & 115/230V (24" & 30")

Prop Dia.	CFM	RPM	Motor Number
20"	2670	1600	5B
24"	5220	1075	4G
30"	8800	1075	4H

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

## 115V (20") & 115/230V (24" & 30") UNIT PACK MODELS \*

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	PH	Ship Wt.	List Price
20"	Floor Model	70834	PWIISS20	1/15	1	69	\$1861
	Wall Model	70833	WWIISS20	1/15	1	52	\$1640
24"	Floor Model	70836	PWIISS24	1/4	1	79	\$2190
	Wall Model	70835	WWIISS24	1/4	1	62	\$1930
30"	Floor Model	70764	PWIISS30	1/3	1	81	\$2461
	Wall Model	70767	WWIISS30	1/3	1	64	\$2169

Note: When assembling fans use only the stainless steel fasteners supplied with the motors. Fans and motors should be cleaned and inspected regularly.

\* **CORD AND PLUG NOT PROVIDED WITH 115V or 115/230V MODELS. MUST BE HARD WIRED. WIRING MUST CONFORM TO ALL NATIONAL, STATE AND LOCAL CODES.**

## CHEMICAL RESISTANCE RATING CHART

CHEMICAL	CONCENTRATION	STAINLESS STEEL PARTS
<b>WATER:</b>		
De-Ionized Boiling	100%	Excellent
Salt (Immersed)	30%	Excellent
Salt (Spray)	5%	Excellent
Tap - 250°/120° @ 10,000 PSI	100%	Excellent
<b>ACIDS:</b>		
Hydrochloric	35%	Poor
Sulfuric	25%	Poor
Nitric	35%	Excellent
Picric	Saturated Solution	Excellent
<b>BASE:</b>		
Caustic	100%	Excellent
Caustic	12pH	Excellent
Caustic - 125°F/50°C	9.5pH	Excellent
<b>SOLVENTS:</b>	-	Excellent

NOTES:  
TENV = Totally Enclosed Non Vented

See page 18 for Component Parts.

## WASHDOWN® APPLICATIONS

FOOD SERVICE	DAIRY BARNS
HOSPITALS	POULTRY HOUSES
FOOD PROCESSING	FISHERIES

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

- Constructed with Electro-polished 304 Stainless Steel or White Epoxy Coating in accordance with FDA
- 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 115/230V, 1 PHASE

Prop Dia.	CFM	RPM	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 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	\$1972
30"	Wall Model 37773 (IAC-WBS Wall Brkt. with Safety Cable)	70772K	WACISSW	58	\$1675

### EPOXY 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); 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	\$1386
30"	Wall Model 75010 (IAC0WBW Wall Brkt. with Safety Cable)	70773K	WACISWW	64	\$1243



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.

### NOTES:

TEAO = Totally Enclosed Air Over

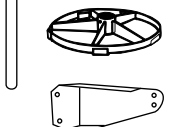
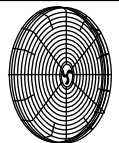
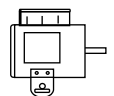
"K" suffix indicates unit shipped as individual component parts, may be shipped UPS or Truck.

**\* CORD AND PLUG NOT PROVIDED WITH 115/230V MODELS. MUST BE HARD WIRED. WIRING MUST CONFORM TO ALL NATIONAL, STATE AND LOCAL CODES.**

See below for Component Parts.

## STAINLESS STEEL & GENERAL DUTY WASHDOWN® COMPONENT PARTS

EDP Number	Cat. Number	Description	F.L. Amps	Ship Wt.	List
<b>115V and 115/230V MOTORS (HARD WIRED)</b>					
70202	WASHGUARD™ I	1/4 HP, 115/230V, 1 Phase, ball bearing, 1/2" shaft (White Epoxy Coated)	3.2/1.6	26	\$922
78039	5B	1/15 HP, 115V, 1 Phase, ball bearing, 1/2" shaft (Stainless Steel) *BISSC Approved	1.4	30	\$780
78040	4G	1/4 HP, 115/230V, 1 Phase, ball bearing 1/2" shaft (Stainless Steel) *BISSC Approved	3.87	32	\$1075
78042	4H	1/3 HP, 115/230V, 1 Phase, ball bearing, 1/2" shaft (Stainless Steel) *BISSC Approved	3.87	34	\$1280
<b>GUARDS</b>					
70840	AC20GSS	20" Stainless Steel Guard		16	\$360
70841	AC24GSS	24" Stainless Steel Guard		18	\$430
70761	AC30GSS	30" Stainless Steel Guard		19	\$547
70763	AC30GW	30" White Epoxy Coated Guard		20	\$159
<b>PROPELLERS</b>					
70842	WGBS20	20" Stainless Steel Propeller		4	\$150
70843	WGBS24	24" Stainless Steel Propeller		5	\$160
72401	WGBS30	30" Stainless Steel Propeller		6	\$171
72403	WGBW	30" Galvanized White Epoxy Coated Propeller		6	\$110
<b>PEDESTAL</b>					
73001	PEDSS	Stainless Steel Stationary Pedestal, 5' Height/ Bottom 33 1/2" Counter Model		7	\$171
75014	C-2030NPW	Epoxy White Stationary Pedestal, 5' Height/ Bottom 33 1/2" Counter Model		7	\$69
<b>BASE</b>					
77001	BOS	Open Base - Stainless Steel		16	\$291
75011	C-2030BW	Open Base - Epoxy White Coated		17	\$143
<b>WALL MOUNT BRACKET</b>					
37773	IAC-WBS	Stainless Steel Wall Mount Bracket - (Complete with Safety Cable)		7	\$175
75010	IAC-WBW	Epoxy White Coated Wall Mount Bracket - (Complete with Safety Cable)		7	\$64



# EPOXY COATED WASHDOWN® BARREL FAN



## 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
- Tilttable
- Toggle Switch on 36"; Push Button Switch on 20", 24" and 30"
- Designed to Withstand Moist/Wet Environments Without Affecting Performance or Function.
- 10 Foot Cord and Plug Included
- UL / CUL Listed
- Two Year Warranty



### PERFORMANCE 115V MODELS

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

### MARKETS:

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

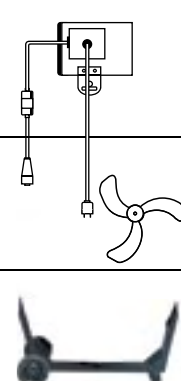
### 115V MODELS

PROP DIA.	EDP NUMBER	CATALOG NUMBER	HP	VOLT	PHASE	F.L. AMPS	WT.	PRICE
20"	60475	20WDDF	1/4	115	1	2.9	75	\$1289
24"	60474	24WDDF	1/4	115	1	3.0	80	\$1499
30"	60473	30WDDF	1/4	115	1	3.2	103	\$1666
36"	60472	36WDDF	1/2	115	1	5.3	130	\$1815

NOTES:  
TEAO = Totally Enclosed Air Over.

# EPOXY COATED WASHDOWN® BARREL FAN REPLACEMENT PARTS

EDP Number	Description	F.L. Amps	Ship Wt.	List
<b>115 MOTOR ASSEMBLY WITH SWITCH AND CORD</b>				
70220	1/4 HP, 115V, 1 Phase 1/2" shaft, ball bearing, WASHGUARD™ motor. For 20", 24" and 30" Models	3.2	29	\$1125
70221	1/2 HP, 115V, 1 Phase 1/2" shaft, ball bearing, WASHGUARD™ motor. For 36" Model.	3.8	35	\$1214
<b>PROPELLER ASSEMBLY</b>				
21102	20" Propeller Assembly - 5/8" Bore. Cast Aluminum	5	5	\$159
21095	24" Propeller Assembly - 5/8" Bore. Cast Aluminum	5	5	\$176
21105	30" Propeller Assembly - 5/8" Bore. Cast Aluminum	6	6	\$186
21115	36" Propeller Assembly - 5/8" Bore. Cast Aluminum	10	10	\$230
<b>CRADLE KITS</b>				
08380	20" Cradle Kit	16	18	\$127
08381	24" Cradle Kit	18	20	\$140
08382	30" Cradle Kit	20	20	\$157
08383	36" Cradle Kit	22	22	\$178



## Affordable Versatility

### FEATURES

- Versatile
- One Fan - Four Mounting Options
- All Mountings In One Box
- Easy To Assemble
- UPS Shippable
- Guards, Barrel, Mountings Epoxy Coated
- 1/4 HP, 3 Speed (30") & 1/2 HP, 2 Speed (36"), 115V, 1 Phase, Ball Bearing, Totally Enclosed Air Over Motors
- 2 Year Warranty
- UL / CUL Listed
- Tiltable
- Pull Chain Switch

### 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 (3-SP)	1/4	97	\$480
36"	4 - IN - 1 All Mounts	60471	DD3641* (2-SP)	1/2	119	\$575

\* 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.



Ceiling Mount



Hanging Mount



Portable Barrel



Wall Mount



## 24" MANCOOLER®

### 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
- 2 Year Warranty

### 115V MODEL

Prop Dia.	Fan Style	EDP Number	Catalog Number	HP	CFM		RPM		Amps	Ship Wt.	List Price
					High	Low	High	Low			
24"	Portable Barrel	70001	DDMC24C	1/4	4000	2100	1100	800	3.5	75	\$388



Portable Barrel



# PORTABLE MANCOOLERS® - 115V

## MC BELT DRIVE MODELS



**Engineered for Superior Performance**

### FEATURES ON ALL BELT DRIVE MANCOOLERS®

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



Tiltable  
Portable Belt Drive  
BDMC36C



### BDMC36C

- 115V, 1 Phase, 2 Speed, ODP, 1/2 HP Motor
- 36" Diameter Three Bladed Aluminum Propeller
- Tiltable
- 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)	36 1/2"	7800/5300	660/450	116	\$551



Portable  
Belt Drive 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	130	\$670

### 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



Swivel Mount Belt Drive  
MC42/48B



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)	42 1/2"	16,180	380	135	\$1350
48"	Swivel Mt.	60026	MC48B	1 (1SP)	48 1/2"	17,730	385	160	\$1645



### Engineered for Superior Performance

#### FEATURES ON ALL BELT DRIVE MANCOOLERS®

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

#### EMC42D\*

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

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	\$620

\* **SWIVEL TILT STAND KIT** Available For EMC42D ONLY

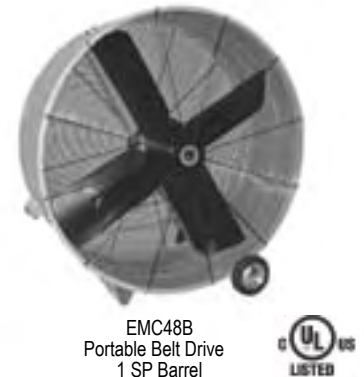
- Assembly Required
- For Models prior to 2007, drilling of 8 holes in fan is necessary to accommodate stand

EDP Number	Catalog Number	Ship Wt.	List Price
70008	SKMC	38	\$249.00

#### 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
48"	Portable	60019	EMC48B	1 (1SP)	48½"	17,173	385	165	\$1344



## MANCOOLER® PORTABLE BELT DRIVE CABINET FANS - 115V

#### FEATURES

- Completely Assembled
- On/Off Switch & Handle
- 2 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	\$1933
36"	Cabinet Fan	39140	M36RA	1/2	152	\$2025
42"	Cabinet Fan	39150	M42RA	3/4	277	\$2708
48"	Cabinet Fan	39160	M48RA	1	312	\$2946





## 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).







# LIGHT COMMERCIAL FANS

## NON-OSCILLATING PEDESTAL & WALL/CEILING MOUNTS

**NEW**

### Features

<b>Motor</b>	Non-oscillating, 120V, 1/4 HP, 3-speed, 1 Phase, Ball bearing, Open ventilated, Permanently lubricated permanent split capacitor
<b>Switch</b>	Pull Chain
<b>Cord</b>	SJT type 3 conductor, 9-1/2 feet long
<b>Guards</b>	Epoxy coated steel with retaining clips
<b>Propeller</b>	Three aluminum blades
<b>Pedestal Column</b>	Adjusts center of fan from 44" to 62"
<b>Packaging</b>	Shipped in one UPS-shippable carton
<b>Warranty</b>	1 year
<b>Standards</b>	UL, Meets OSHA standards

### Performance

Size	CFM			Amps
	High	Med	Low	
30"	6000	5500	4800	2.4

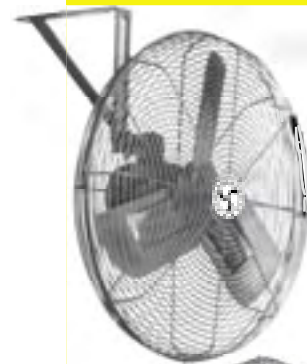


Adjustable Pedestal

### LC Models - 120V

Size	Fan Style	EDP Number	Catalog Number	Ship Weight	List
30"	Pedestal Mount	71531	LC30AP	62	\$248
	Wall / Ceiling Mount	71533	LC30WC	37	\$193

*Because these circulators do not have totally enclosed motors, they should be used in clean, dry commercial applications such as schools, offices or warehouses.*



Ceiling Mount



Wall Mount



# LIGHT COMMERCIAL FANS

## PORTABLE DIRECT DRIVE MANCOOLERS®

### 24" and 36" MODELS



**NEW**



24"



36"

Portable Barrel

**FULLY ASSEMBLED**

## Features

<b>Motor</b>	115V, 1/3 HP, ODP (24") or 1/2 HP, TEAO (36"), 2-speed, 1 Phase, ball bearing
<b>Switch</b>	Rotary (24"); Rocker (36")
<b>Cord</b>	10 Feet with grounded plug
<b>Guards &amp; Housing</b>	Epoxy coated steel
<b>Propeller</b>	Three bladed aluminum
<b>Wheels</b>	5" steel hubbed (24"); 6-1/2" steel hubbed (36")
<b>Handle</b>	Full width for ease of maneuvering
<b>Warranty</b>	1 year
<b>Standards</b>	UL (24"); UL / CUL (36")

## Performance

Size	CFM		RPM		dBA		Watts
	High	Low	High	Low	High	Low	
24"	4670	4490	1116	1070	65	58	212 180
36"	8781	7982	1156	960	68	65	385 322

## LC Models - Direct Drive

Size	Fan Style	EDP Number	Catalog Number	Ship Weight	List
24"	Portable Barrel	78939	LC24DD	40.5	\$245
36"	Portable Barrel	78954	LC36DD	82	\$390

*Because these circulators do not have totally enclosed motors, they should be used in clean, dry commercial applications such as schools, offices or warehouses.*





# LIGHT COMMERCIAL FANS

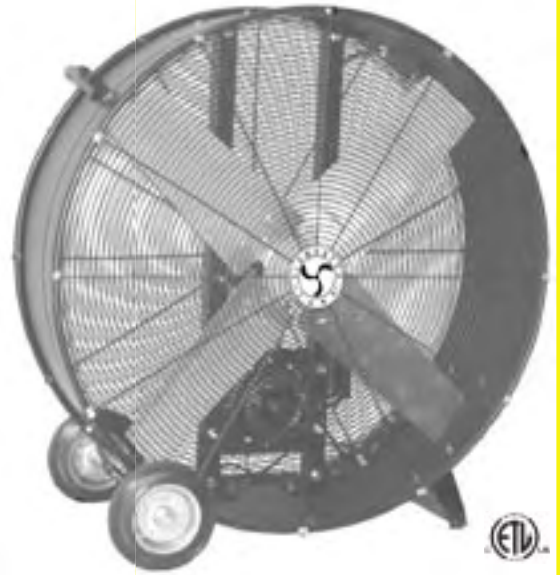
## PORTABLE BELT DRIVE MANCOOLERS®

### 36" and 42" MODELS

**NEW**

### Features

<b>Motor</b>	115V, 1/2 HP (36") or 1 HP (42") 2-speed, 1 Phase, ODP, ball bearing,
<b>Switch</b>	2 speed rocker
<b>Cord</b>	10 Feet with grounded plug
<b>Guards &amp; Housing</b>	Epoxy coated steel
<b>Propeller</b>	Four bladed aluminum
<b>Wheels</b>	8" steel
<b>Velocity</b>	159 fpm @ 90 feet
<b>Warranty</b>	1 year
<b>Standards</b>	ETL



Portable Barrel

**FULLY ASSEMBLED**

### Performance

Size	CFM		RPM		dBA		Watts
	High	Low	High	Low	High	Low	
36"	8,758	7,962	600	545	68	65	550
42"	13,036	11,850	582	517	70	66	630

### LC Models - Belt Drive

Size	Fan Style	EDP Number	Catalog Number	Ship Weight	List
36"	Portable Barrel	78938	LC36BD	82	\$410
42"	Portable Barrel	78933	LC42BD	103	\$480

*Because these circulators do not have totally enclosed motors, they should be used in clean, dry commercial applications such as schools, offices or warehouses.*



# COMMERCIAL and INDUSTRIAL HEATERS

## MODELS MMHD1502C and MMHD1502B



**NEW**



MMHD1502C Heater

### MMHD1502C Features

<b>Thermostat</b>	Eay to Use, Built-In
<b>Controls</b>	Two Comfort Heat Selections, Overheat and Tip-Over Shut Off
<b>Plug and Cord</b>	3 Prong Grounded Plug and 6 Ft. Cord
<b>Construction</b>	Durable All Metal, Heat Circulating Fan, Power-On Indicator Lamp
<b>Size</b>	10.7" (W) x 16.5" (H) x 8.5" (D)
<b>Amps</b>	12.5 / 10.8
<b>Warranty</b>	1 year
<b>Standards</b>	UL

### Performance 120V

Style	EDP Number	Catalog Number	Watts		Max. BTU's	Volts	Phase	Ship Weight	List
			High	Low					
Heater	71537	MMHD1502C	1500	1300	5120	120	1	7.3	\$51

**NEW**



MMHD1502B Heater

### MMHD1502B Features

<b>Thermostat</b>	Built-in
<b>Controls</b>	Two Comfort Heat Selections, Overheat and Tip-Over Shut-Off
<b>Plug and Cord</b>	3 Prong Grounded Plug and 6 Ft. Cord
<b>Construction</b>	Durable All Metal, Heat Circulating Fan, Power-On Indicator Lamp, Compact Design to make Completely Portable
<b>Size</b>	7.9" (W) x 11.4" (H) x 5.9" (D)
<b>Amps</b>	12.5 / 6.2
<b>Warranty</b>	1 year
<b>Standards</b>	UL

### Performance 120V

Style	EDP Number	Catalog Number	Watts		Max. BTU's	Volts	Phase	Ship Weight	List
			High	Low					
Heater	71534	MMHD1502B	1500	750	5120	120	1	4	\$42





# COMMERCIAL and INDUSTRIAL HEATERS

## MODELS MCM1503 and MMHD1501C

**NEW**

### MCM1503 Features

<b>Thermostat</b>	Maintains Desired Room Temperature, 10H14 Manual Reset
<b>Controls</b>	Three Comfort Heat Selections, Overheat and Tip-Over Shut Off
<b>Plug and Cord</b>	3 Prong Grounded Plug and 6 Ft. Cord
<b>Construction</b>	Durable All Metal, Ceramic Core Element, Power-On Indicator Lamp, Extended Safety Grille
<b>Size</b>	12.3" (W) x 15.7" (H) x 12" (D)
<b>Amps</b>	12.5 / 7.5 / 5.0
<b>Warranty</b>	1 year
<b>Standards</b>	UL



MCM1503 Heater

### Performance 120V

Style	EDP Number	Catalog Number	Watts			Max. BTU's	Volts	Phase	Ship Weight	List
			High	Med	Low					
Heater	71538	MCM1503	1500	900	600	5120	120	1	8	\$121

### MMHD1501C Features

<b>Thermostat</b>	Easy to Use, Built-in
<b>Controls</b>	Overheat and Tip-Over Shut-Off
<b>Plug and Cord</b>	3 Prong Grounded Plug and 6 Ft. Cord
<b>Construction</b>	Provides Radiant Heat, Steel Cabinet, Aluminum Alloy Screen
<b>Size</b>	15.6" (W) x 10.6" (H) x 5.4" (D)
<b>Amps</b>	12.5
<b>Warranty</b>	1 year
<b>Standards</b>	ETL

**NEW**



MMHD1501C Heater



### Performance 120V

Style	EDP Number	Catalog Number	Watts	Max. BTU's	Volts	Phase	Ship Weight	List
Heater	71536	MMHD1501C	1500	5120	120	1	4.8	\$52





# COMMERCIAL & CONSUMER FANS

## 18" HIGH VELOCITY PEDESTAL and 16" DESK FAN



High Velocity Pedestal

### 18" High Velocity Pedestal Features

<b>Motor</b>	120V, 60 Hz, 3 Speed, 1.22 Amp Draw 150 Watts
<b>Controls</b>	Rotary Button, Tilttable
<b>Cord</b>	6 Feet
<b>Guards</b>	Steel Nickel Chrome
<b>Propeller</b>	18" Diameter, Aluminum Three Bladed
<b>Height</b>	Adjustable from 39" to 44"
<b>Warranty</b>	1 year
<b>Standards</b>	UL

### Performance 120V, 60 Hz

Size	Fan Style	EDP Number	Catalog Number	CFM	Watts	Amps	Ship Weight	List
18"	High Velocity Pedestal	78924	18HVYPF	3215	150	1.22	32	\$209

### 16" Desk Fan Features

<b>Motor</b>	120V, 60 Hz, 3 Speed, 0.42 Amp Draw 50 Watt Draw
<b>Tilt:</b>	Adjustable 45°, 90° Oscillation
<b>Guards</b>	1/4" x 1/2" Steel Diamond Mesh Painted
<b>Propeller</b>	16" Diameter
<b>Height</b>	24"
<b>Warranty</b>	1 year
<b>Standards</b>	UL

### Performance 120V, 60 Hz

Size	Fan Style	EDP Number	Catalog Number	CFM	Watts	Amps	Ship Weight	List
16"	Desk/Office Fan	78923	16DF	1932	50	0.42	9	\$55



Desk Fan





# COMMERCIAL & CONSUMER FANS

## PORTABLE UTILITY BLOW AND HEATER OPTION and TOWER FAN

### Portable Utility Blower Features

<b>Motor</b>	120V, 60 Hz, 3 Speed, 1.77 Amp Draw, Ball bearing, up to 300 CFM
<b>Controls</b>	Three speed selector switch
<b>Cord</b>	8-1/2 Feet with grounded plug
<b>Design Specs.</b>	Compact portable, impact resistant shell, rubber contact pads for surface protection, carrying handle, adjustable air direction, restable circuit breaker protection
<b>Receptacles</b>	Two 120V, 10 Amp. with protective covers
<b>Warranty</b>	1 year
<b>Standards</b>	CSA

### Optional Heater Attachment Features

<b>Motor</b>	120V, 60 Hz, 10 Amps., 1320 Watts, 4500 BTU heating capacity
<b>Switch</b>	Lighted on/off rocker
<b>Cord</b>	8" with grounded plug
<b>Design Specs.</b>	Thermal protection, clips onto front of blower, plugs into outlet on side of blower, converts blower into lightweight portable heater
<b>Warranty</b>	1 year
<b>Standards</b>	CSA

### Performance 120V, 60 Hz

Size	Desc.	EDP Number	Catalog Number	Ship Weight	List
12-1/2" X 9" X 13"	Blower	78967	UB180	9	\$103
8-3/4" X 4-7/8" X 3-1/8"	Heater	78966	HFUB11	2	\$ 44

### Tower Fan Features

<b>Motor</b>	8 Speed, 120V, 60 Hz, .034 Amps, 38 Watts
<b>Controls</b>	Soft touch, push button panel on top with dust cover
<b>Cord</b>	6 Feet
<b>Design Specs.</b>	360° oscillation, Up to 12 hour timer, Sleeping breeze, soft wind, Built-in ion generator, Column top size: 7" x 7"
<b>Height</b>	Adjustable from 48" to 53"
<b>Warranty</b>	1 year
<b>Standards</b>	UL

### Performance 120V, 60 Hz

Size	Fan Style	EDP Number	Catalog Number	CFM	Watts	Amps	Ship Weight	List
48"-53"	Tower Fan	78920	CTF1	518	38	0.34	18	\$226



Portable Utility Blower

**READY TO USE**



Optional Heater Attachment



Tower Fan



# COMMERCIAL & CONSUMER FANS

## 16" HIGH VOLUME OSCILLATING PEDESTAL and

## 16" IONIZE PEDESTAL



High Volume Pedestal



Ionize Pedestal

### 16" High Volume Oscillating Pedestal Features

<b>Motor</b>	120V, 60 Hz, 3 Speed, 0.50 Amp Draw 59 Watts
<b>Controls</b>	Soft Touch, Push Button Panel, Remote Control with Light Indicator
<b>Cord</b>	6 Feet
<b>Guard and Base</b>	Removeable Steel Painted Guards; Acrylic see-through base
<b>Propeller</b>	Polypropylene Clear Tinted
<b>Height</b>	Adjustable from 46" to 54"
<b>Design Specs.</b>	Up to 8 hour timer, Sleeping breeze, soft wind, Horizontal, vertical, figure eight oscillations with wind direction adjustments
<b>Warranty</b>	1 year
<b>Standards</b>	UL

### Performance 120V, 60 Hz

Size	Fan Style	EDP Number	Catalog Number	CFM	Watts	Amps	Ship Weight	List
16"	High Volume Osc. Pedestal	78921	16HVPOF	2062	59	0.50	21	\$208

### 16" Ionize Pedestal Features

<b>Motor</b>	120V, 60 Hz, 3 Speed, 0.50 Amp Draw 59 Watts
<b>Controls</b>	Push Button Panel, Remote Control with Light Indicator
<b>Cord</b>	6 Feet with Cord Wrap
<b>Guard and Base</b>	16" Removeable Steel Painted Guards; Nickel Chrome Open Tube Base
<b>Propeller</b>	Polypropylene Clear Tinted
<b>Height</b>	Adjustable from 46" to 54"
<b>Design Specs.</b>	Up to 8 hour timer, Sleeping breeze, soft wind, Horizontal, vertical, figure eight oscillations
<b>Warranty</b>	1 year
<b>Standards</b>	UL

### Performance 120V, 60 Hz

Size	Fan Style	EDP Number	Catalog Number	CFM	Watts	Amps	Ship Weight	List
16"	Ionize Pedestal	78922	16PIF	2062	59	0.50	21	\$206



## 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 / CUL 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	290	120	0.52	62
	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	\$99	-
	40021	MARK VIII	19	\$274	-
	40123	MARK VI-115	17	\$186	-
	40124	MARK VI-277	16	-	\$207
60"	40041	MARK VIII-60	19	\$289	-

Multiple fans, wire in parallel.

Ambient temperature for all models is 104° F. (40° C).

State and local electrical codes apply to all installation procedures.

† Recommended for quiet applications, such as churches or schools, when using Variable Speed Control as produces least audible harmonics.

## Moisture & Dust Resistant Jetproof

### FEATURES

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

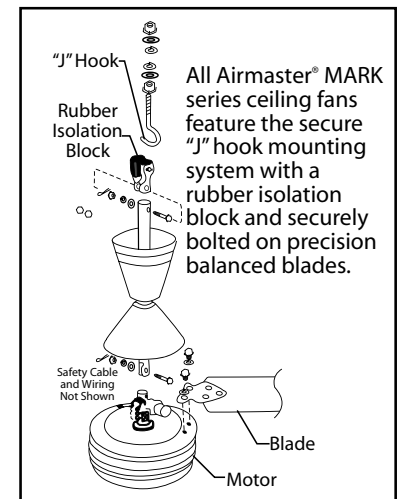
### PERFORMANCE

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)	16	\$292

Multiple fans, wire in parallel.



## ACCESSORIES

EDP Number	Cat. Number	Description	Ship Wt.	List Price
<b>CONTROLS FOR COMMERCIAL AND INDUSTRIAL CEILING FANS</b>				
24855	485210	Variable speed control regulates 1 to 6 fans. Not to exceed a maximum amp draw of 6.0 amps. (1)	1	\$55
24860	596321	Variable speed control regulates 7 to 12 fans. Not to exceed a maximum amp draw of 10.0 amps. (1)	1	\$117
24848	374111	Variable speed control, 277V, regulates 1 to 3 fans. 1.5 amps. (1)	1	\$59
24880	H-1	Humidistat (2) 20% to 80% RH range.	1	\$242
<b>PROTECTIVE CEILING FAN GUARD AND MESH COVER (For 56" Fans)</b>				
40006	UCFG	61-inch diameter nickel chrome plated top and bottom guard kit UPS shippable.	21	\$286
40015	FGN	Nylon mesh wrap-around cover with nylon draw strings.	1	\$196
<b>SAFETY CABLE KIT</b>				
21204	Safety Kit 40150	Safety Cable Kit - Available for Retrofit Applications	3	\$23



## 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) <sup>2</sup>	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.





**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


**PERFORMANCE 115/230V & 230/460V**

Prop Dia. <sup>1</sup>	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. <sup>1</sup>	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

<sup>1</sup>Actual Propeller 3/4" less.



High Stand

Prop Dia.	EDP Number USE COLUMN ATRIGHT FORLAST DIGIT OF EDPNO.	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	\$3719	18MP-1/4	\$3674	18M-1/4X	\$4340	18MP-1/4X	\$4442
24"	2131 □	1/4	255	24M-1/4	\$3874	24MP-1/4	\$3820	24M-1/4X	\$4449	24MP-1/4X	\$4542
	2132 □	1/2	260	24M-1/2	\$4213	24MP-1/2	\$4189	24M-1/2X	\$4977	24MP-1/2X	\$5104
	2133 □	1	270	24M-1	\$4644	24MP-1	\$4485	24M-1X	\$5439	24MP-1X	\$5442
	2134 □	3	300	24M-3	\$6024	24MP-3	\$4985	-	-	24MP-3X	\$6080
30"	2135 □	1/2	281	30M-1/2	\$4630	30MP-1/2	\$4616	30M-1/2X	\$5411	30MP-1/2X	\$5546
	2136 □	1 1/2	340	30M-1 1/2	\$5296	30MP-1 1/2	\$5021	30M-1 1/2X	\$7766	30MP-1 1/2X	\$5968
	2137 □	3	360	30M-3	\$6313	30MP-3	\$5345	-	-	30MP-3X	\$6493
36"	2138 □	1 1/2	415	36M-1 1/2	\$6061	36MP-1 1/2	\$5809	36M-1 1/2X	\$8625	36MP-1 1/2X	\$6756
	2139 □	2	420	36M-2	\$6542	36MP-2	\$5859	36M-2X	\$9464	36MP-2X	\$6981
	2160 □	3	445	-	-	36MP-3	\$6935	-	-	36MP-3X	\$8586
42"	2141 □	2	565	42M-2	\$11,298	42MP-2	\$7199	-	-	42MP-2X	\$8201
	2162 □	5	590	-	-	42MP-5	\$8220	-	-	42MP-5X	\$10,087
48"	2163 □	7 1/2	875	-	-	48MP-7 1/2	\$13,539	-	-	48MP-7 1/2X	\$15,089
MEDIUM STAND MODEL - 360° TILT											
18"	2170 □	1/4	160	18M-1/4M	\$3237	18MP-1/4M	\$3190	18M-1/4MX	\$3866	18MP-1/4MX	\$3963
24"	2171 □	1/4	165	24M-1/4M	\$3513	24MP-1/4M	\$3326	24M-1/4MX	\$3945	24MP-1/4MX	\$4185
	2172 □	1/2	180	24M-1/2M	\$3716	24MP-1/2M	\$3697	24M-1/2MX	\$4448	24MP-1/2MX	\$4616
	2173 □	1	190	24M-1M	\$4138	24MP-1M	\$3969	24M-1MX	\$4940	24MP-1MX	\$4927
	2174 □	3	260	24M-3M	\$5668	24MP-3M	\$4467	-	-	24MP-3MX	\$5583
	2175 □	1/2	220	30M-1/2M	\$4064	30MP-1/2M	\$4050	30M-1/2MX	\$4846	30MP-1/2MX	\$4982
30"	2176 □	1 1/2	260	30M-1 1/2M	\$4740	30MP-1 1/2M	\$4438	30M-1 1/2MX	\$6478	30MP-1 1/2MX	\$5396
	2177 □	3	277	30M-3M	\$5743	30MP-3M	\$4771	-	-	30MP-3MX	\$5908
	2178 □	1 1/2	320	36M-1 1/2M	\$5527	36MP-1 1/2M	\$5247	36M-1 1/2MX	\$8089	36MP-1 1/2MX	\$6362
36"	2179 □	2	325	36M-2M	\$5986	36MP-2M	\$5302	36M-2MX	\$8905	36MP-2MX	\$6428
	2200 □	3	350	-	-	36MP-3M	\$6377	-	-	36MP-3MX	\$8032
42"	2181 □	2	415	42M-2M	\$10,641	42MP-2M	\$6521	-	-	42MP-2MX	\$7525
	2202 □	5	440	-	-	42MP-5M	\$7548	-	-	42MP-5MX	\$9499
48"	2203 □	7 1/2	745	-	-	48MP-7 1/2M	\$11,091	-	-	48MP-7 1/2MX	\$14,109
LOW STAND MODEL											
18"	2210 □	1/4	87	18M-1/4L	\$2702	18MP-1/4L	\$2655	18M-1/4LX	\$3333	18MP-1/4LX	\$3416
24"	2211 □	1/4	115	24M-1/4L	\$2815	24MP-1/4L	\$2777	24M-1/4LX	\$3396	24MP-1/4LX	\$3500
	2212 □	1/2	120	24M-1/2L	\$3175	24MP-1/2L	\$3153	24M-1/2LX	\$3900	24MP-1/2LX	\$4064
	2213 □	1	130	24M-1L	\$3594	24MP-1L	\$3406	24M-1LX	\$4392	24MP-1LX	\$4373
	2214 □	3	160	24M-3L	\$6428	24MP-3L	\$3903	-	-	24MP-3LX	\$5021
30"	2215 □	1/2	141	30M-1/2L	\$3481	30MP-1/2L	\$3453	30M-1/2LX	\$4260	30MP-1/2LX	\$4382
	2216 □	1 1/2	200	30M-1 1/2L	\$4144	30MP-1 1/2L	\$3830	30M-1 1/2LX	\$6606	30MP-1 1/2LX	\$4927
	2217 □	3	220	30M-3L	\$5146	30MP-3L	\$4166	-	-	30MP-3LX	\$5302
36"	2218 □	1 1/2	250	36M-1 1/2L	\$4779	36MP-1 1/2L	\$4491	36M-1 1/2LX	\$7343	36MP-1 1/2LX	\$5455
	2219 □	2	255	36M-2L	\$5227	36MP-2L	\$4542	36M-2LX	\$8144	36MP-2LX	\$5668
	2240 □	3	280	-	-	36MP-3L	\$5621	-	-	36MP-3LX	\$7272
42"	2221 □	2	315	42M-2L	\$9871	42MP-2L	\$5733	-	-	42MP-2LX	\$6737
	2242 □	5	340	-	-	42MP-5L	\$6756	-	-	42MP-5LX	\$8633
48"	2243 □	7 1/2	685	-	-	48MP-7 1/2L	\$10,172	-	-	48MP-7 1/2LX	\$13,184

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



Medium Stand



Low Stand

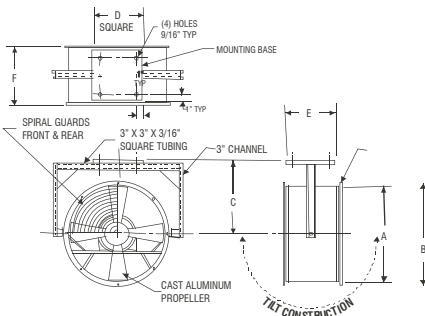


# DIRECT DRIVE AIR BLASTERS - 115/230V & 230/460V ACCESSORIES & MODIFICATIONS



Prop Dia.	EDP Number	Description	Wt.	List
<b>YOKE MOUNT - TILT ONLY</b>				
18" 24" 30" 36"	22440 22450 22460 22470	For wall or ceiling mounting.	45 50 55 70	Add the following to low stand prices: \$741 \$829 \$848 \$1032
<b>YOKE MOUNT - TILT &amp; SWIVEL</b>				
18" 24" 30" 36"	22441 22451 22461 22471	For wall or ceiling mounting.	45 50 55 70	Add the following to low stand prices: \$1810 \$1886 \$2111 \$2350
<b>CASTERS (For Low &amp; Medium Models)</b>				
18"-30" 36"-48"	22480 22490	Two fixed / two swivel (with locking device)	12 16	Add the following to low or medium stand prices: \$582 \$816

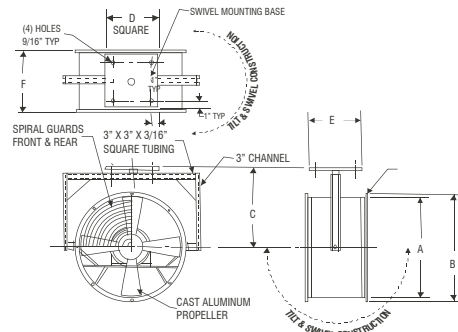
### Tilt Mount



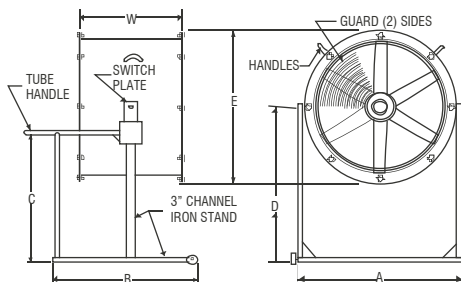
### AIR BLASTER YOKE MOUNT DIMENSIONS

SIZE	A	B	C*	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

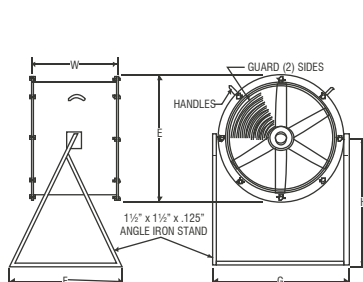
\* Dimension for Tilt Only; \*\* Dimension for Tilt and Swivel Only



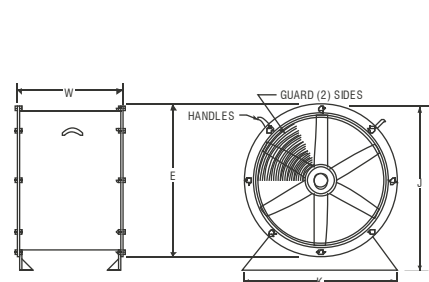
### Tilt & Swivel Mount



**HIGH STAND**



**MEDIUM STAND**



**LOW STAND**

### OPTIONAL PREWIRED STARTER SWITCHES

EDP Number	Motor HP	1 Phase Standard	3 Phase Standard
91901	1/4, 1/2, 1	\$651	-
91902	1 1/2	\$1529	-
91903	1/4, 1/2, 1, 1 1/2, 2, 3	-	\$1537
91904	5	-	\$1749

### 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



### 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 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.

<b>AVERAGE AIR CHANGES REQUIRED FOR GOOD VENTILATION</b>	<b>MINUTES/CHANGE</b>
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
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# DIRECT DRIVE LOW PRESSURE SHUTTER FAN MODEL EPRSM



**MADE USA**

## FEATURES

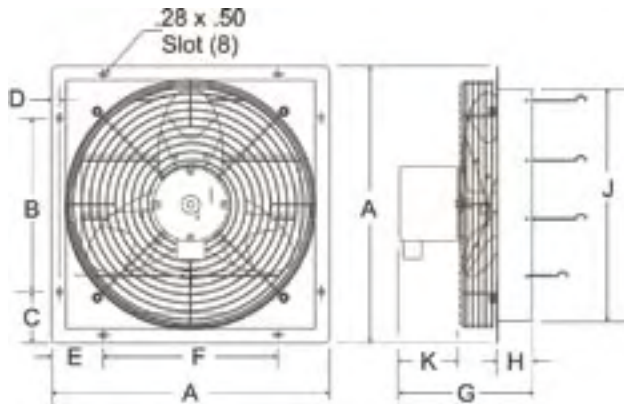
- Fully Assembled - Ready to Install
- Rear Guard Meets OSHA Standards
- Totally Enclosed Motor
- UL Listed

## 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	\$233
10"	◀23001	EPRSM10	13-1/8"	10-1/2"	611	318	1/30	115	1	6.6	10	\$250
12"	◀23002	EPRSM12	15-1/8"	13"	815	490	1/30	115	1	7.6	12	\$285
16"	◀23003	EPRSM16	19-1/8"	17"	1216	765	1/20	115	1	8.0	20	\$425
18"	◀23004	EPRSM18	21-1/8"	18-1/2"	1877	752	1/15	115	1	8.4	25	\$475
20"	◀23007	EPRSM20	23-1/8"	20-1/2"	2235	920	1/15	115	1	9.0	29	\$505
24"	◀23005	EPRSM24	27-1/8"	25"	3214	2015	1/4*	115	1	11.7	48	\$595
30"	◀23008	EPRSM30	33-1/8"	30-1/2"	4970	3510	1/4*	115	1	12.0	54	\$710

\*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	1/30	1550	630	469	418	394	309	234	5.6	12	\$392**
12"	◀24110	12EPR16	1/30	1550	897	843	754	689	503	378	6.0	14	\$407*
16"	◀24120	16EPR16	1/9	1050	1881	1766	1626	1540	1169	814	8.8	24	\$495**
18"	◀24130	18EPR16	1/9	1050	2504	2345	2149	2035	1553	884	9.5	27	\$526*

NOTE: For Supply Duty add "S" prefix to EDP Number and use list price divided by 0.80.  
For \* or \*\* see Controls below.



### 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) \$199	WR9E (22753) \$104	WC9 (22754) \$127	WR10E (22750) \$104	WC10 (22755) \$137	10EPR (23060) 3# \$189
12EPR16	WS12 (06884) \$215	WR10E (22750) \$104	WC10 (22755) \$137	WR12E (22765) \$110	WC12 (22611) \$137	12EPR (23070) 4# \$198
16EPR16	WS16E (06885) \$245	WR12E (22765) \$110	WC12 (22611) \$137	WR16E (22775) \$140	WC16 (22621) \$143	16EPR (23080) 5# \$245
18EPR16	WS18E (06886) \$283	WR16E (22775) \$140	WC16 (22621) \$143	WR18E (22785) \$151	WC18 (22631) \$170	18EPR (23090) 7# \$248

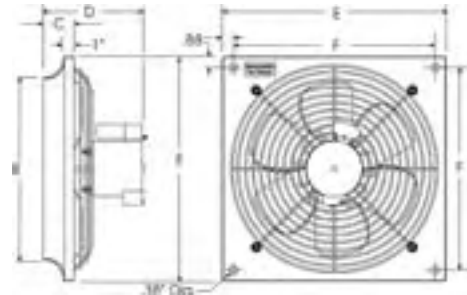
See page 49 for WS Wall Collar Dimensions. See page 49 for WRE and WC shutter selection/installation information, ship weights and cautions.

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.



### FAN DIMENSIONS (INCHES)

Size	A	B	C	D	E	F	H(DIA.)	# HOLES
10	10	10 1/4	1 1/2	6	14	12.25	.38	4
12	12	12 1/4	1 1/2	8	16	14.25	.38	4
16	16	16 1/2	1 3/4	9 1/2	20	18.25	.38	4
18	18	18 1/2	1 3/4	10	22	20.25	.38	4



### FOR MOTORIZED SHUTTERS ADD MOTOR KIT FROM LIST BELOW

#### WR Exhaust Motor Kit - For 9" to 36" Wall Shutters

Catalog No.	EDP No.	List
MK4620-F (120/240V)	22930	\$307

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

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

EDP No.	List
02684	\$159

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

Catalog No.	EDP No.	List
MK5047-F (120V/240V)	22900	\$307

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

NOTE: If Supply Shutter is remote from fan, it must be motorized.

### CONTROLS

EDP#	Model	Item	List
24852	-	*Two Speed Switch for Fan Only	\$44
85388	-	*Two Speed Switch for Fan & Supply Shutter	\$38
24855	458210	**Variable Speed	\$55
24820	T-1	Thermostat (115V only)	\$206





# DIRECT DRIVE FANS LOW PRESSURE INDUSTRIAL DUTY MODEL EXG



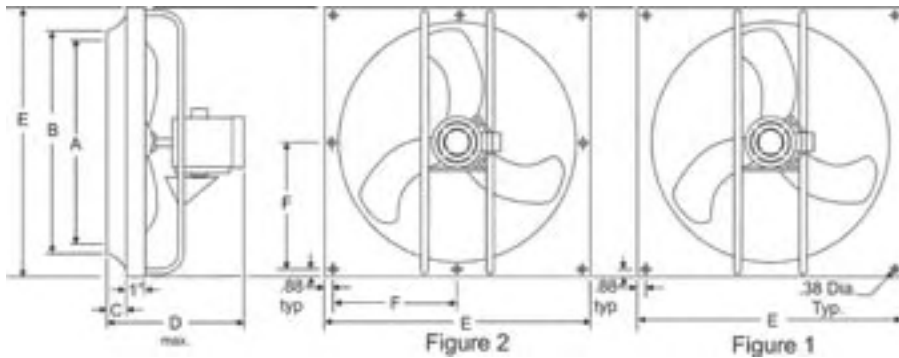
## SPARK RESISTANT CONSTRUCTION WITH EXPLOSION PROOF MOTORS

### 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	\$1336	-	-
16"	◀24360	16EXG16	1/4	1725	2950	2200	1900	40	17.6	\$1546	-	-
18"	24371	18EXG16A	1/4	1140	2600	2200	1000	62	10.5	-	\$1569	-
	24391	18EBX836A	1/4	1140	2600	2200	1000	60	10.5	-	-	\$1695
24"	◀24381	24EXG16A	1/4	1140	5100	4780	3550	75	20.6	-	\$1610	-
	24401	24EBX836A	1/4	1140	5100	4780	3550	90	20.6	-	-	\$1760

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 E, F & G, with the exception of the 12" and 16" sizes which are Explosion Proof Motors, Class I, Group D & Class II Groups F & G. Propellers have spark resistant aluminum blades. See page 43 for Explosion Proof Motor information. Do not use variable speed control with EXG fan.



### DIMENSIONS FOR EXG (IN.)

Size	12"	16"	18"	24"
See Fig.	1	1	1	2
A(Dia.)	12	16	18	24
B	12½	16½	18½	24½
C	1-5/8	1-7/8	2	2½
D	10-5/8	13-3/4	15-1/2	15½
E	16	22	24	30
F				14-1/8
H(Dia.)	.38	.38	.38	.38
HOLES	4	4	4	8

### 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) \$215	WR10E (22750) \$104	WC10 (22755) \$137	12FG (23660) 7#	\$199		
		WR12E (22765) \$110	WC12 (22611) \$137	12RG (23605) 15#	\$230		
16"	WS18E (06886) \$283	WR16E (22775) \$140	WC16 (22621) \$143	16FG (23665) 11#	\$211		
		WR16E (22775) \$140	WC16 (22621) \$143	16RG (23610) 21#	\$290		
18"	WS18 (06894) \$265	WR18E (22785) \$151	WC18 (22631) \$170	18FG (23670) 11#	\$240		
		WR18E (22785) \$151	WC18 (22631) \$170	18RG (23615) 23#	\$330		
24"	WS24 (06887) \$280	WR24E (22795) \$201	WC24 (22641) \$214	24FG (23675) 15#	\$265		
		WR24E (22795) \$201	WC24 (22641) \$214	24RG (23620) 28#	\$348		

#### NOTES:

Weatherhoods are available for the 24" 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.

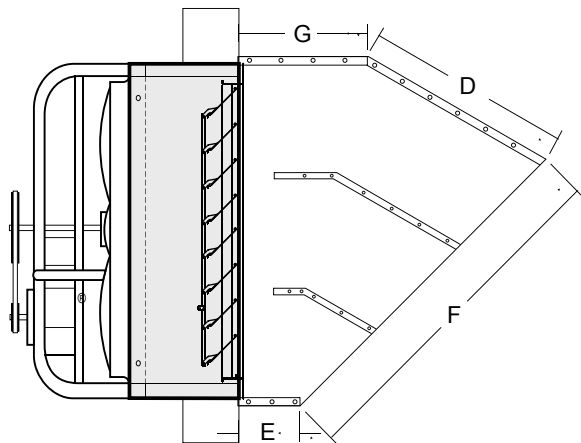
See pages 49 and 50 for WS Wall Collar Dimensions & Weatherhoods. See page 50 for prop (front) and motor (rear) side guard dimensions.

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

See page 49 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 Supply Duty Fan, add "S" to EDP number and use list price divided by 0.80.

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. 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. Twp 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	34	\$619	-
24"	◀24211	PD24T-E3A	1/2	870	4860	4360	4270	2800	11.6	56	\$700	-
	◀24260	PD24T-F8A	1/4	825	4610	4110	4020	2550	11.6	70	-	\$1363
30"	◀24221	PD30T-G3A	1/2	845	7380	6850	6750	5500	16.7	73	\$1395	-
	◀24270	PD30T-G8	1/2	845	7380	6850	6750	5500	16.7	70	-	\$1462
36"	◀24231	PD36R-G3A	1/2	840	8664	7814	7545	5916	20.5	95	\$1647	-
	◀24280	PD36R-G8	1/2	840	8664	7814	7545	5916	20.5	95	-	\$1708



PD18 & 24



PD30 & 36

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

### 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) \$151	WS18 (06894) \$265	WC18 (22631) \$170	18FG (23670) 11# \$240	INCLUDED - - -
24"	WR24E (22795) \$201	WS24 (06887) \$280	WC24 (22641) \$214	24FG (23675) 15# \$265	INCLUDED - - -
30"	WR30E (22805) \$275	WS30 (06888) \$423	WC30 (22651) \$301	30FG (23680) 19# \$290	30RG (23625) 37# \$374
36"	WR36E (22815) \$344	WS36 (06889) \$450	WC36 (22661) \$399	36FG (23685) 27# \$355	36RG (23630) 64# \$610

See page 50 for prop side (front) & motor side (rear) guard dimensions. See page 49 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.

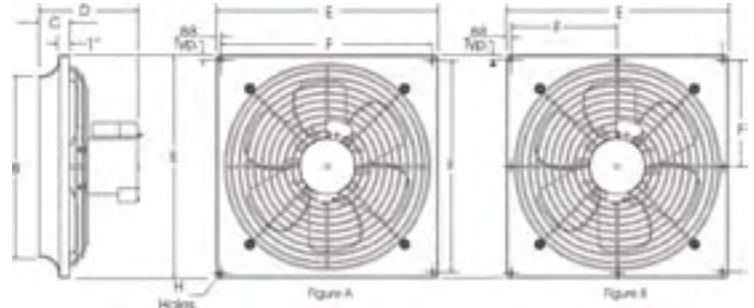
NOTE: On 18" and 24" sizes, motor is guard mounted.

### DIMENSIONS FOR PD (IN.)

Size	18"	24"	30"	36"
See Fig. A(Dia.)	18	24	30	36
B	18½	24½	30½	36½
C	3	3½	4-5/8	4¾
D	9-3/8	15½	13¾	12¾
E	24	30	36	42
F	22¼	14-1/8	17-1/8	20-1/8
G				18¾
J				11
H(Dia.)	.38	.62	.62	.62
HOLES	4	8	8	10

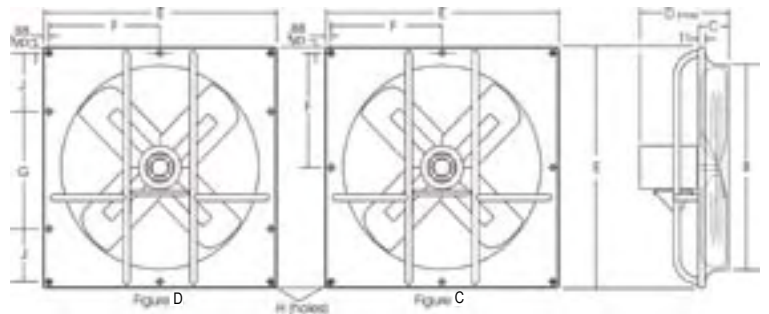
PD 18" and 24"

Illustration A



PD 30" and 36"

Illustration B



### FOR MOTORIZED 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	Cat. No.	Volt	EDP No.	List
MK4620-F (120/240V)	22930	\$307	MK5047-F	120/240V, 9"-36" Sizes	22900	\$307
MK4620-C (440V)	22935	\$307	MK5047-C	440V, 9"-36" Sizes	22905	\$282

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	\$159

### CONTROLS

Item	Model#	EDP#	List
*Two Speed Switch for 115V, TE, 2 Sp. Fan Only	-	24852	\$44
*Two Speed Switch for Fan & Supply Shutter	-	85388	\$38
Thermostat (115V only)	T-1	24820	\$206



# 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	28	\$951
16"	◀25305	H16V76-1	1/2	1750	2700	2590	2390	2100	1740	18.5	115/230	1	44	\$1158
	25310	H16V836-1	1/2	1750	2700	2590	2390	2100	1740	18.5	230/460	3	39	\$1116
18"	25315	H18V76-1	1/2	1750	3900	3780	3575	3280	2880	23.0	115/230	1	46	\$1244
	◀25320	H18V836-1	1/2	1750	3900	3780	3575	3280	2880	23.0	230/460	3	42	\$1205
24"	◀25335	H24V76-2	1	1750	6860	6560	6240	5900	5426	35.4	115/230	1	88	\$1610
	◀25340	H24V836-2	1	1750	6860	6560	6240	5900	5426	35.4	230/460	3	79	\$1440
30"	25355	H30V76-1	1	1150	9470	8750	8030	7100	5900	29.0	115/230	1	51	\$2975
	25360	H30V836-1	1	1150	9470	8750	8030	7100	5900	29.0	230/460	3	118	\$1868
36"	◀25365	H30V836-3	3	1750	14400	13900	13450	13000	12500	60.1	230/460	3	130	\$2030
	25385	H36V836-3	1-1/2	1150	13300	12400	11600	10600		37.1	230/460	3	203	\$2211
42"	◀25390	H36V836-1	3	1750	16890	16179	15504	14816	14125	80.1	230/460	3	205	\$2226
	◀25395	H36V836-2	5	1750	20300	19650	19100	18600	17950	76.5	230/460	3	225	\$2533
48"	25415	H42V836-3	1-1/2	1150	15789	15044	14059	13020	11690	51.8	230/460	3	240	\$2895
	25420	H42V836-1	3	1150	22100	21300	20500	19650	18650	51.3	230/460	3	295	\$3460
48"	◀25425	H42V836-2	5	1150	26640	25968	25250	24350	23250	62.3	230/460	3	320	\$3646
	25445	H48V836-3	3	850	27420	25800	24350	22600		40.7	230/460	3	315	\$4947
	◀25450	H48V836-2	7-1/2	1150	37100	35800	34700	33600	32450	70.2	230/460	3	360	\$5306

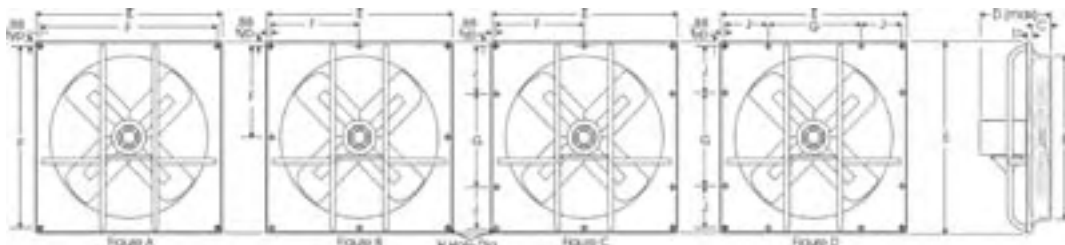


### PERFORMANCE : FANS WITH EXPLOSION PROOF MOTORS / PRICING



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	55	\$1616
	25330	H18VEX836-1	1/2	1750	3990	3780	3480	3020	2250	23.0	230/460	3	49	\$1908
24"	25345	H24VEX76-2	1	1750	7820	7690	7450	7070	6450	35.4	115/230	1	47	\$1984
	25350	H24VEX836-2	1	1750	7820	7690	7450	7070	6450	35.4	230/460	3	118	\$2084
30"	25370	H30VEX76-1	1	1150	10440	9750	8750	7640	6000	29.0	115/230	1	110	\$4698
	25375	H30VEX836-1	1	1150	10440	9750	8750	7640	6000	29.0	230/460	3	118	\$3773
36"	25380	H30VEX836-3	3	1750	16000	15350	14700	13850	12900	60.1	230/460	3	202	\$3733
	25400	H36VEX836-3	1-1/2	1150	17620	16500	15200	13620	12300	37.1	230/460	3	203	\$3927
42"	25405	H36VEX836-1	3	1750	18500	17700	15700	15100	13900	80.1	230/460	3	205	\$3953
	25410	H36VEX836-2	5	1750	23000	22150	21100	20200	19000	76.5	230/460	3	225	\$4756
48"	25435	H42VEX836-1	3	1150	24500	23150	23000	22000	19650	51.3	230/460	3	275	\$5257
	25440	H42VEX836-2	5	1150	28970	27960	26840	25700	24200	62.3	230/460	3	320	\$5906
	25460	H48VEX836-2	7-1/2	1150	37000	35000	32800	30600	28000	70.2	230/460	3	360	\$7554

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 43 for further Explosion Proof Motor information. Shutters and Motor Kits are not Explosion Proof. Do not use speed control with HVEX fans.



### 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 43 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 <sup>1</sup>			WS Wall Collar			WC Supply Shutter <sup>1</sup>			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	\$104	06884	WS12	\$215	22755	WC10	\$137	23660	12FG	7	\$199	23605	12RG	15	\$230
22775	WR16E	\$140	06886	WS18E	\$283	22621	WC16	\$143	23665	16FG	11	\$211	23610	16RG	21	\$290
22785	WR18E	\$151	06894	WS18	\$265	22631	WC18	\$170	23670	18FG	11	\$240	23615	18RG	23	\$330
22795	WR24E	\$201	06887	WS24	\$280	22641	WC24	\$214	23675	24FG	15	\$265	23620	24RG	28	\$348
22805	WR30E	\$275	06888	WS30	\$423	22651	WC30	\$301	23680	30FG	19	\$290	23625	30RG	37	\$374
22815	WR36E	\$344	06889	WS36	\$450	22661	WC36	\$399	23685	36FG	27	\$355	23630	36RG	64	\$610
22825	WR42E	\$558	06890	WS42	\$520	22671	WC42	\$561	23690	42FG	34	\$420	23635	42RG	75	\$782
22835*	WR48E	\$651	06891	WS48	\$601	22681	WC48	\$673	23695	48FG	40	\$460	23640	48RG	85	\$954
22747 <sup>†</sup>	WRHD48	\$932														

**OPTIONAL WEATHERHOODS**

Size	EDP #	Cat. #	List
24"	99915	WH24	\$704
30"	99916	WH30	\$825
36"	99917	WH36	\$913
42"	99921	WH42	\$1199
48"	99923	WH48	\$1319

See page 50 for Weatherhood Dimensions.

**RECOMMENDED OPTIONAL ACCESSORIES FOR FANS WITH EXPLOSION PROOF MOTORS**

WR Exhaust Shutter <sup>1</sup>			WS Wall Collar			WC Supply Shutter <sup>1</sup>			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	\$151	06894	WS18	\$265	22631	WC18	\$170	23670	18FG	11	\$240	23615	18RG	23	\$330
22795	WR24E	\$201	06887	WS24	\$280	22641	WC24	\$214	23675	24FG	15	\$265	23620	24RG	28	\$348
22805	WR30E	\$275	06888	WS30	\$423	22651	WC30	\$301	23680	30FG	19	\$290	23625	30RG	37	\$374
22815	WR36E	\$344	06889	WS36	\$450	22661	WC36	\$399	23685	36FG	27	\$355	23630	36RG	64	\$610
22825	WR42E	\$558	06890	WS42	\$520	22671	WC42	\$561	23690	42FG	34	\$420	23635	42RG	75	\$782
22747 <sup>†</sup>	WRHD48	\$932	06891	WS48	\$601	22681	WC48	\$673	23695	48FG	40	\$460	23640	48RG	85	\$954

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 50 for prop side (front) and motor side (rear) guard dimensions.

<sup>†</sup> See below for Motor Kits for motorized wall louvers.

**<sup>1</sup> FOR MOTORIZED WALL SHUTTERS ADD MOTOR KIT FROM LIST BELOW (not approved for Hazardous Locations):**

**EXHAUST MOTOR KITS**

EDP No.	CAT No.	Description	List Ea.
22930	MK-4620-F	120/240 Volt, for 9" - 36" exhaust shutters	\$307
22935	MK-4620-C	440 Volt, for 9" - 36" exhaust shutters	\$307
22938	MK-4620-E	550 Volt, for 9" - 36" exhaust shutters	\$324
22940	MK-4621-F	120/240 Volt, for 42" - 48" exhaust shutters	\$496
22945	MK-4621-C	440 Volt, for 42" - 48" exhaust shutters	\$496
22948	MK-4621-E	550 Volt, for 42" - 48" exhaust shutters	\$472
22930	MK-4620-F	120/240 Volt, for 54" - 60" exhaust shutters*	\$307
22935	MK-4620-C	440 Volt, for 54" - 60" exhaust shutters*	\$307
22938	MK-4620-E	550 Volt, for 54" - 60" exhaust shutters*	\$324

**EXHAUST SHUTTER  
MANUAL CHAIN OPERATORS**

EDP No.	Description	LIST
02684	1 Panel Shutter for 10" - 36"	\$159
02686	2 Panel Shutters for 42" - 54"	\$361
32686	3 Panel Shutters for 60"	\$483

**SUPPLY MOTOR KITS**

EDP No.	CAT No.	Description	List Ea.
22900	MK-5047-F	120/240 Volt, for 9" - 36" supply shutters	\$307
22905	MK-5047-C	440 Volt, for 9" - 36" supply shutters	\$282
22908	MK-5047-E	550 Volt, for 9" - 36" supply shutters	\$282
22910	MK-4782-F	120/240 Volt, for 42" - 48" supply shutters	\$496
22915	MK-4782-C	440 Volt, for 42" - 48" supply shutters	\$496
22918	MK-4782-E	550 Volt, for 42" - 48" supply shutters	\$473
22900	MK-5047-F	120/240 Volt, for 54" - 60" supply shutters**	\$307
22905	MK-5047-C	440 Volt, for 54" - 60" supply shutters**	\$282
22908	MK-5047-E	550 Volt, for 54" - 60" supply shutters**	\$282

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

\* 54" requires 2 motor kits (MK-4621) and 60" requires 3 motor kits (MK-4620).

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

\*\* 54" requires 2 Motor Kits (MK-5047) and 60" requires (1) one MK-5047 plus (1) one MK-4782 motor kits.

**NOTES:**

Do not use Shutter Motor Kits 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 49 for WS Wall Collar Dimensions.

<sup>†</sup> See page 47 for Heavy Duty Shutters.

See page 49 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	1/4" SP CFM	RPM
30"	36 1/2" x 19" W or 25" W	6066	3370	2714	574
36"	42 1/2" x 19" W or 25" W	8143	4044	2814	415
42"	48 1/2" x 19" W or 25" W	11039	5950	5397	413
48"	54 1/2" x 19" W or 25" W	14970	10509	7084	372

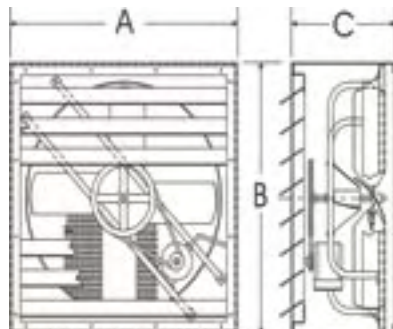
### 115V, 115/230V & 230/460V MODELS

◀ = 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
	A	B	C										
30"	36 1/2"	36 1/2"	19"	◀39220	CWF-30-2A	1/2 (ODP)	1	10.99	139	\$1882	-	-	-
	36 1/2"	36 1/2"	25"	39223	CWF-30-2A3E	1/2 (TEFC)	3	10.9	153	-	-	\$2366	-
	36 1/2"	36 1/2"	25"	39225	CWF-30-2A1X	1/2 (EXP)	1	10.9	168	-	-	-	\$3103
36"	42 1/2"	42 1/2"	19"	◀39230	CWF-36-2A	1/2 (ODP)	1	9.5	150	\$2108	-	-	-
	42 1/2"	42 1/2"	25"	39237	CWF-36-2A3E	1/2 (TEFC)	3	9.5	181	-	-	\$2785	-
	42 1/2"	42 1/2"	25"	39236	CWF-36-3AS1E	3/4 (TEFC)	1	9.5	177	-	\$2950	-	-
	42 1/2"	42 1/2"	25"	39234	CWF-36-2A1X	1/2 (EXP)	1	9.5	181	-	-	-	\$3621
42"	48 1/2"	48 1/2"	19"	◀39240	CWF-42-3A	3/4 (ODP)	1	12.6	275	\$3403	-	-	-
	48 1/2"	48 1/2"	25"	39247	CWF-42-3A3E	3/4 (TEFC)	3	12.6	297	-	-	\$3486	-
	48 1/2"	48 1/2"	25"	39241	CWF-42-3A1X	3/4 (EXP)	1	12.6	317	-	-	-	\$4396
48"	54 1/2"	54 1/2"	19"	◀39250	CWF-48-4A	1(ODP)	1	12.5	310	\$3687	-	-	-
	54 1/2"	54 1/2"	25"	39255	CWF-48-4A3E	1(TEFC)	3	12.5	341	-	-	\$3903	-
	54 1/2"	54 1/2"	25"	39257	CWF-48-4A1E	1(TEFC)	1	12.5	341	-	\$3730	-	-
	54 1/2"	54 1/2"	25"	39246	CWF-48-4A1X	1(EXP)	1	12.5	353	-	-	-	\$4806



\*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 43 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		Single Speed ODP
					0"	1/8"			1 Phase 115V	3 Phase 230/460V	
24"	25602	PB24RA-F1A	1/3	710	4973	3862	10.21	53	\$1039	-	-
	◀25612	PB24RA-G1A	1/2	850	5953	5001	14.2	55	\$1082	-	-
	25801	PB24RA-F8A	1/3	710	4973	3862	10.2	57	-	\$1029	-
	25811	PB24RA-G8A	1/2	850	5953	5001	14.2	59	-	\$1296	-
30"	25622	PB30RA-F1A	1/3	510	7012	5163	9.0	60	\$1079	-	-
	◀25632	PB30RA-G1A	1/2	600	8249	6720	11.7	64	\$1100	-	-
	25821	PB30RA-F8A	1/3	510	7012	5163	9.0	65	-	\$1057	-
	25831	PB30RA-G8A	1/2	600	8249	6720	11.7	59	-	\$1300	-
36"	25652	PB36RA-F1A	1/3	375	9048		8.5	69	\$1259	-	-
	◀25662	PB36RA-G1A	1/2	440	10616	8120	11.5	72	\$1276	-	-
	25851	PB36RA-F8A	1/3	375	9048		8.5	74	-	\$1238	-
	◀25861	PB36RA-G8A	1/2	440	10616	8120	11.5	69	-	\$1482	-
42"	25682	PB42RA-F1A	1/3	340	10808	6812	8.4	97	\$1738	-	-
	25692	PB42RA-G1A	1/2	386	12271	9304	10.8	100	\$1751	-	-
	25702	PB42RA-H3A	3/4	445	14146	11672	14.0	109	\$1925	-	-
	◀25712	PB42RA-I3A	1	495	15736	13568	16.8	107	\$1933	-	-
	25881	PB42RA-F8A	1/3	340	10808	6812	8.4	106	-	\$1728	-
	25891	PB42RA-G8A	1/2	386	12271	9304	10.8	98	-	\$1973	-
48"	◀25911	PB42RA-I8A	1	495	15736	13568	16.8	105	-	\$2144	-
	25722	PB48RA-G1A	1/2	320	14609	10154	10.1	110	\$1863	-	-
	25732	PB48RA-H3A	3/4	370	16891	13393	15.0	115	\$2017	-	-
	◀25742	PB48RA-I3A	1	406	18535	15457	16.8	125	\$2005	-	-
	25921	PB48RA-G8A	1/2	320	14609	10154	10.1	112	-	\$2085	-
25941	PB48RA-I8A	1	406	18535	15457	16.8	127	-	\$2237	-	

## PB24 to PB36

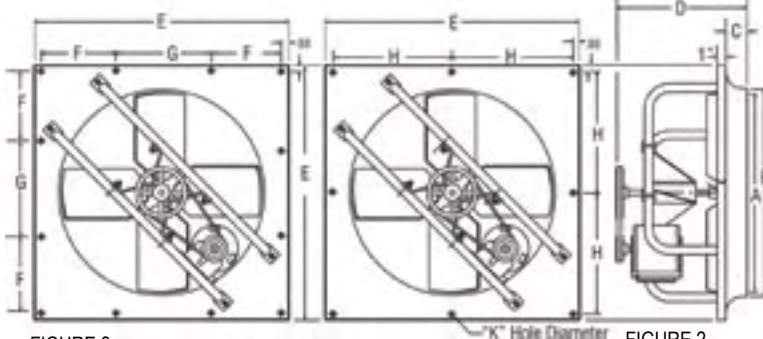


FIGURE 3

FIGURE 2

## PB42 & PB48

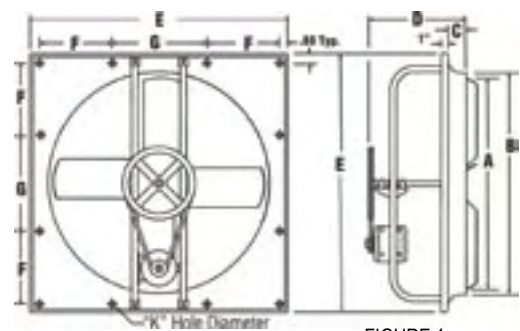


FIGURE 1

## 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	
Exhaust - Automatic Cat. No. EDP# List	Supply - Automatic Cat. No. EDP# List			Cat. No. EDP# List	Cat. No. EDP# List
WR24E (22795) \$201	WC24 (22641) \$214	24FG (23675) \$265	24RG (23620) \$348	WS24 (06887) \$280	
WR30E (22805) \$275	WC30 (22651) \$301	30FG (23680) \$290	30RG (23625) \$374	WS30 (06888) \$423	
WR36E (22815) \$344	WC36 (22661) \$399	36FG (23685) \$355	36RG (23630) \$610	WS36 (06889) \$450	
WR42E (22825) \$558	WC42 (22671) \$561	42FG (23690) \$420	42RG (23635) \$782	WS42 (06890) \$520	
WR48E (22835) \$651	WC48 (22681) \$673	48FG (23695) \$460	48RG (23640) \$954	WS48 (06891) \$601	


**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 WR48E 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 49 for WRE and WC shutter selection/installation information, ship weights and cautions.  
See page 50 for safety prop side (front) and motor side (rear) guard dimensions.  
See page 73 for Motor Kits for motorized wall louvers.


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

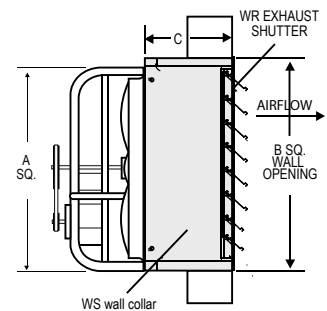
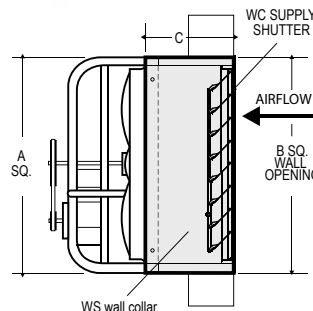
**MOTOR SIDE  
RG (REAR) SAFETY GUARD**
**WALL COLLAR DIMENSIONS**

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	\$704
30"	99916	WH30	\$825
36"	99917	WH36	\$913
42"	99921	WH42	\$1199
48"	99923	WH48	\$1319

See page 50 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.	HA Model #	HP	Fan RPM	Max BHP	Capacity (CFM) @ "SP"					Max Sones @ 5'	Ship Wt.	Single Speed							
					0"	1/8"	1/4"	3/8"	1/2"			Open Drip Proof				Totally Enclosed			
												1 Phase		3 Phase		1 Phase		1 Phase	
												115V	115/230V	208/230/460V		115/230V			
EDP No.	List Price	EDP No.	List Price	EDP No.	List Price	EDP No.	List Price	EDP No.	List Price										
24"	HA24CA	1/4	746	0.28	4398	3745				12.4	70	42500	\$1298	-	-	42503	\$1369	-	-
	HA24DA	1/3	805	0.37	4746	4210	2885			12.9	80	42509	\$1324	-	-	42512	\$1444	42518	\$1524
	HA24FA	1/2	980	0.64	5778	5409	4617			18.4	85	-	-	42530	\$1532	42533	\$1484	42539	\$1617
	HA24HA	3/4	1080	0.86	6367	6049	5502	4428		22.6	92	-	-	42545	\$1571	42548	\$1486	42554	\$1633
	HA24JA	1	1180	1.14	6957	6674	6257	5453	4462	26.3	111	-	-	42563	\$1525	42566	\$1466	◀42569	\$1616
	HA24KA	1 1/2	1340	1.63	7900	7658	7349	6867	6067	34.0	121	-	-	42575	\$1751	42581	\$1615	42584	\$2046
30"	HA30DA	1/3	530	0.36	6518	4821	2608			8.8	98	-	-	-	-	42593	\$1553	42596	\$1688
	HA30FA	1/2	640	0.55	7871	6735	4669			12.8	103	-	-	42605	\$1692	42608	\$1645	42618	\$1708
	HA30HA	3/4	730	0.85	8978	8080	6439	4690		19.3	108	-	-	42624	\$1695	42627	\$1646	42630	\$1801
	HA30JA	1	820	1.14	10085	9333	8114	6425		20.8	127	-	-	42639	\$1742	42642	\$1676	◀42648	\$1830
	HA30KA	1 1/2	930	1.67	11438	10804	9913	8579	7089	28.2	136	-	-	42657	\$1999	42663	\$1763	42666	\$1814
36"	HA36FA	1/2	561	0.56	9720	8211	5602			14.0	122	-	-	42672	\$1817	42675	\$1769	42678	\$1909
	HA36HA	3/4	650	0.83	11262	10143	7951			18.1	128	-	-	42684	\$1846	42687	\$1796	42696	\$1876
	HA36JA	1	720	1.10	12475	11533	9805			21.8	148	-	-	42702	\$1896	42705	\$1830	◀42708	\$1981
	HA36KA	1 1/2	820	1.65	14207	13429	12223	10377		26.3	157	-	-	42717	\$2133	42720	\$1861	◀42732	\$1939
	HA36MA	2	890	2.15	15420	14721	13739	12219	10464	30.3	172	-	-	-	-	42744	\$1975	-	-
42"	HA42FA	1/2	410	0.58	12797	9882				12.0	169	-	-	42756	\$2207	42759	\$2178	42762	\$2297
	HA42HA	3/4	453	0.83	14139	11686	7833			14.4	170	-	-	42768	\$2157	42771	\$2100	42774	\$2192
	HA42JA	1	500	1.08	15606	13517	10254			17.1	215	-	-	42780	\$2216	42783	\$2229	42786	\$2382
	HA42KA	1 1/2	583	1.66	18197	16533	14113			21.1	225	-	-	42798	\$2569	42801	\$2259	42807	\$2489
	HA42MA	2	635	2.20	19820	18339	16298	13666		24.8	235	-	-	-	-	42813	\$2360	-	-
	HA42OA	3	725	3.28	22629	21378	19787	17760	15381	31.8	255	-	-	-	-	42822	\$2593	-	-
48"	HA48HA	3/4	395	0.86	17392	14182				15.9	223	-	-	42828	\$2519	42831	\$2432	42834	\$2585
	HA48JA	1	420	1.13	18493	15544	10953			16.6	225	-	-	42840	\$2406	42843	\$2398	42846	\$2613
	HA48KA	1 1/2	485	1.67	21335	18883	15665			23.4	230	-	-	42855	\$2839	42858	\$2583	42861	\$2691
	HA48MA	2	535	2.31	23556	20848	18132	14264		26.1	245	-	-	-	-	42870	\$2532	-	-
	HA48OA	3	610	3.43	26858	24896	22832	20205		35.5	265	-	-	-	-	42882	\$2728	-	-
	HA48PA	5	690	4.79	30381	28610	26909	24888	22419	53.9	285	-	-	-	-	42900	\$2868	-	-
54"	HA54JA	1	301	1.11	21524	17049	8814			12.6	310	-	-	42909	\$3627	42912	\$3549	42915	\$3728
	HA54KA	1 1/2	353	1.65	25243	21902	15939			16.2	313	-	-	42921	\$3830	42924	\$3511	42927	\$3869
	HA54MA	2	383	2.20	27388	24450	19521	12944		18.7	320	-	-	-	-	42933	\$3657	-	-
	HA54OA	3	437	3.31	31250	28802	25241	20099	14178	23.4	370	-	-	-	-	42939	\$3686	-	-
	HA54PA	5	527	5.50	37686	35717	33353	30099	25907	31.8	385	-	-	-	-	42945	\$4027	-	-
	HA54QA	7 1/2	600	8.13	42906	41174	39308	36932	33896	41.4	455	-	-	-	-	42957	\$5149	-	-
60"	HA60KA	1 1/2	295	1.64	28923	24368	16985			22.1	395	-	-	42963	\$4191	42966	\$3918	42969	\$4132
	HA60MA	2	328	2.20	32158	28269	22401			26.1	400	-	-	-	-	42975	\$3949	-	-
	HA60OA	3	373	3.29	36570	33294	28826	22824		30.3	450	-	-	-	-	42984	\$3972	-	-
	HA60PA	5	447	5.50	43825	41170	38024	33975		44.3	465	-	-	-	-	42996	\$4313	-	-
	HA60QA	7 1/2	510	8.18	50002	47680	45165	42090	38385	57.2	535	-	-	-	-	43011	\$5530	-	-
	HA60RA	10	570	11.31	55885	53786	51667	49180	46262	68.5	555	-	-	-	-	43020	\$5575	-	-

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	\$888
95104	HA30	\$1035
95108	HA36	\$1183
95112	HA42	\$1554
95116	HA48	\$1750
95120	HA54	\$2589
95124	HA60	\$2761

### WR HEAVY DUTY EXHAUST SHUTTERS

EDP Number	Catalog Number	Shutter Size	List Price	Number of Panels	Motor Kit (# Required for WRHD)
22747	WRHD48	50" x 50"	\$932	2	MK-4621 (1)
22748	WRHD54	56" x 56"	\$1324	2	MK-4620 (2)
22749	WRHD60	62" x 62"	\$1451	3	MK-4620 (3)

SEE PAGE 73 FOR EDP# AND LIST PRICE

NOTES:  
If Motor & Drive to be shipped separately: Use above EDP Numbers and add "K" suffix. Example: 42500K

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.





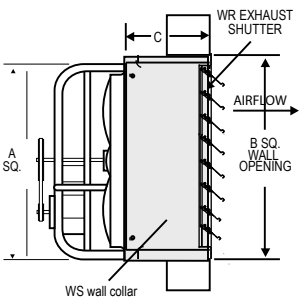
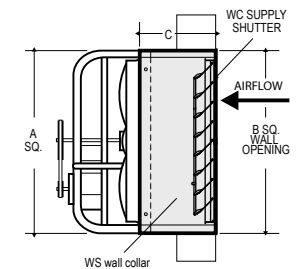


◀= EDP in stock

HA Model #	Single Speed		RECOMMENDED OPTIONAL ACCESSORIES (EDP # in Parenthesis)							
	Totally Enclosed		Wall Shutters		Safety Guards Prop Side (Front)		Weather Hoods		Wall Collar ♦	
	3 Phase		Exhaust Automatic	Supply Automatic	Motor Side (Rear) ♦		Cat. # ( EDP# ) List Desc.		Cat.# ( EDP#) List	
	EDP No.	List Price	Cat.# ( EDP#) List	Cat.# ( EDP#) List	Cat.# ( EDP#) Wt List	Cat.# ( EDP#) List	Cat.# ( EDP#) List	Cat.# ( EDP#) List		
HA24CA	42506	\$1469								
HA24DA	42521	\$1449								
HA24FA	42542	\$1535								
HA24HA	◀42557	\$1576	WR24E (22795) \$201	WC24 (22641) \$214	24FG (23675) 15 \$265	WH24 Hood for 24" Unit (99915) \$704	WS24 (06887) \$280			
HA24JA	42572	\$1511			24RG (23620) 28 \$348					
HA24KA	42587	\$1733								
HA30DA	42599	\$1608								
HA30FA	42621	\$1688								
HA30HA	42633	\$1730	WR30E (22805) \$275	WC30 (22651) \$301	30FG (23680) 19 \$290	WH30 Hood for 30" Unit (99916) \$825	WS30 (06888) \$423			
HA30JA	◀42651	\$1760			30RG (23625) 37 \$374					
HA30KA	42669	\$1746								
HA36FA	42681	\$1846								
HA36HA	42699	\$1804								
HA36JA	◀42711	\$1909	WR36E (22815) \$344	WC36 (22661) \$399	36FG (23685) 27 \$355	WH36 Hood for 36" Unit (99917) \$913	WS36 (06889) \$450			
HA36KA	◀42735	\$1981			36RG (23630) 64 \$610					
HA36MA	42753	\$2006								
HA42FA	42765	\$2249								
HA42HA	42777	\$2272								
HA42JA	42789	\$2239								
HA42KA	◀42810	\$2381	WR42E (22825) \$558	WC42 (22671) \$561	42FG (23690) 34 \$420	WH42 Hood for 42" Unit (99921) \$1199	WS42 (06890) \$520			
HA42MA	42816	\$2390			42RG (23635) 75 \$782					
HA42OA	42825	\$2761								
HA48HA	42837	\$2544								
HA48JA	42849	\$2555								
HA48KA	42864	\$2628	WR48E (22835) \$651	WC48 (22681) \$673	48FG (23695) 40 \$460	WH48 Hood for 48" Unit (99923) \$1319	WS48 (06891) \$601			
HA48MA	◀42876	\$2629			48RG (23640) 85 \$954					
HA48OA	◀42891	\$2896								
HA48PA	42903	\$3257								
HA54JA	42918	\$3562								
HA54KA	42930	\$3651								
HA54MA	42936	\$3656	**WR54E (22845) \$777	WC54 (22691) \$866	54FG (23700) 75 \$540	WH54 Hood for 54" Unit (99918) \$1532	WS54 (06892) \$989			
HA54OA	42942	\$3819	†WRHD54 (22748) \$1324		54RG (23645) 92 \$1092					
HA54PA	◀42951	\$4040								
HA54QA	42960	\$4600								
HA60KA	42972	\$4060								
HA60MA	42981	\$3988	**WR60E (22855) \$1089	WC60 (22701) \$1072	60FG (23705) 90 \$620	WH60 Hood for 60" Unit (99919) \$1684	WS60 (06893) \$1243			
HA60OA	42990	\$4345								
HA60PA	43005	\$4505								
HA60QA	◀43017	\$5119	†WRHD60 (22749) \$1451		60RG (23650) 102 \$1240					
HA60RA	43026	\$6377								

### 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 73. See page 50 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 50. WR48E & WR54E are two panel construction. WR60E is three panel.

### HA DIMENSIONS

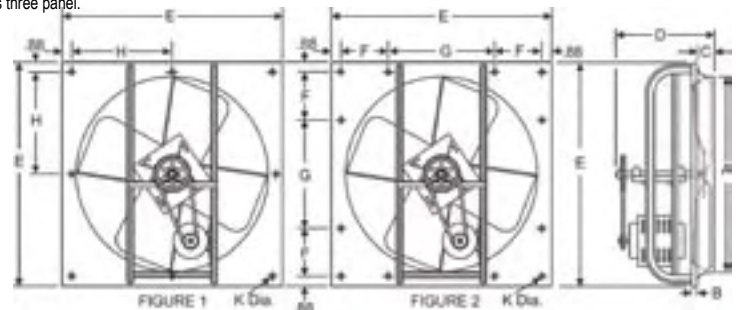
Model	See Figure	A	B	C	D	E	F	G	H	K	No. Holes
HA24	1	24-7/16	1	2-1/2	15-3/16	30	-	-	14-1/8	5/8	8
HA30	1	30-1/2	1	2-5/8	18-5/8	36	-	-	17-1/8	5/8	8
HA36	1	36-1/2	1-1/2	3-1/4	19-1/8	42	-	-	20-1/8	5/8	8
HA42	2	42-1/2	2	3-1/4	23-3/4	48	14	18-1/4	-	5/8	12
HA48	2	48-1/2	2	3-1/4	24-7/8	54	17	18-1/4	-	5/8	12
HA54	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 49 for WRE and WC shutter selection/installation information, ship weights and cautions.

† WRHD Heavy Duty Shutter to be used with 7-1/2 and 10 HP fans. See page 47 for WRHD Heavy Duty Shutter information.







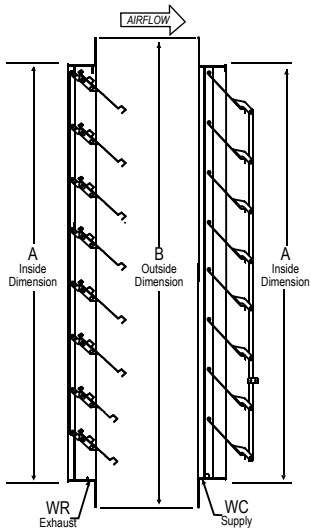
## WRE & WC SHUTTERS

### 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	\$104	MK-4620
22750	WR10E	10"	EXHAUST	12" SQ.	15" SQ.	12 3/4"	8	1	3	\$104	
22765	WR12E	12"	EXHAUST	14" SQ.	17" SQ.	14 3/4"	8	1	4	\$110	
22775	WR16E	16"	EXHAUST	18" SQ.	21" SQ.	18 3/4"	12	1	5	\$140	
22785	WR18E	18"	EXHAUST	20" SQ.	23" SQ.	20 3/4"	12	1	5	\$151	
22795	WR24E	24"	EXHAUST	26" SQ.	29" SQ.	26 3/4"	12	1	9	\$201	
22805	WR30E	30"	EXHAUST	32" SQ.	35" SQ.	32 3/4"	16	1	12	\$275	
22815	WR36E	36"	EXHAUST	38" SQ.	41" SQ.	38 3/4"	16	1	16	\$344	
22825	WR42E	42"	EXHAUST	44" SQ.	47" SQ.	44 3/4"	20	2	20	\$558	
22835	WR48E	48"	EXHAUST	50" SQ.	53" SQ.	50 3/4"	20	2	23	\$651	
22845	WR54E	54"	EXHAUST	56" SQ.	59" SQ.	56 3/4"	24	2	27	\$777	
22855	WR60E	60"	EXHAUST	62" SQ.	65" SQ.	62 3/4"	24	3	30	\$1089	
22754	WC9	10"	SUPPLY	10" SQ.	13" SQ.	10 3/4"	8	1	3	\$127	MK-5047
22755	WC10	10"	SUPPLY	12" SQ.	15" SQ.	12 3/4"	8	1	4	\$137	
22611	WC12	12"	SUPPLY	14" SQ.	17" SQ.	14 3/4"	8	1	4	\$137	
22621	WC16	16"	SUPPLY	18" SQ.	21" SQ.	18 3/4"	12	1	5	\$143	
22631	WC18	18"	SUPPLY	20" SQ.	23" SQ.	20 3/4"	12	1	7	\$170	
22641	WC24	24"	SUPPLY	26" SQ.	29" SQ.	26 3/4"	12	1	9	\$214	
22651	WC30	30"	SUPPLY	32" SQ.	35" SQ.	32 3/4"	16	1	12	\$301	
22661	WC36	36"	SUPPLY	38" SQ.	41" SQ.	38 3/4"	16	1	17	\$399	
22671	WC42	42"	SUPPLY	44" SQ.	47" SQ.	44 3/4"	20	2	22	\$561	
22681	WC48	48"	SUPPLY	50" SQ.	53" SQ.	50 3/4"	20	2	25	\$673	
22691	WC54	54"	SUPPLY	56" SQ.	59" SQ.	56 3/4"	24	2	28	\$866	
22701	WC60	60"	SUPPLY	62" SQ.	65" SQ.	62 3/4"	24	3	31	\$1072	



See page 73 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 47 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.

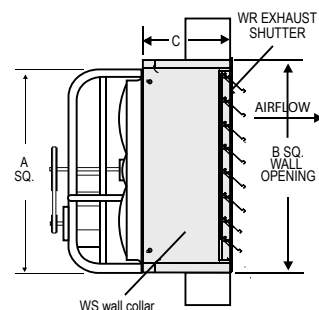
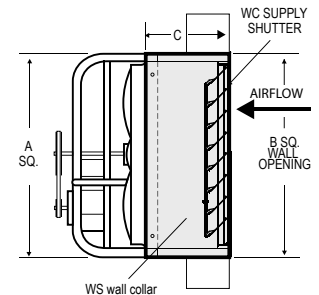
## WS WALL COLLARS

### DIMENSIONS

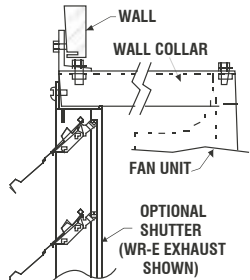
Prop Dia.	A Sq.	B Wall Opening	C	Wall Collar	Ship Wt.	Exhaust Shutter	Supply Shutter	Safety Motor Side (Rear) Guard*
10 EPR	14	15	12	WS10	14	WR9E	WC9	N/R
12	16	17	12	WS12	15	WR10E	WC10	12RG
16 EPR	20	21	12	WS16E	20	WR12E	WC12	N/R
16	22	23	12	WS18E	20	WR16E	WC16	16RG
18 EPR	22	23	12	WS18E	19	WR16E	WC16	N/R
18	24	25	12	WS18	19	WR18E	WC18	18RG
24	30	31	14	WS24	31	WR24E	WC24	24RG
30	36	37	14 1/2	WS30	45	WR30E	WC30	30RG
36	42	43	17	WS36	61	WR36E	WC36	36RG
42	48	49	19	WS42	89	WR42E	WC42	42RG
48	54	55	21	WS48	112	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 included on all EPR, and 18" & 24" PD series fans. See page 50 for motor (rear) side guard dimensions.  
 For epoxy coating of Wall Collars, add \$285 list.

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

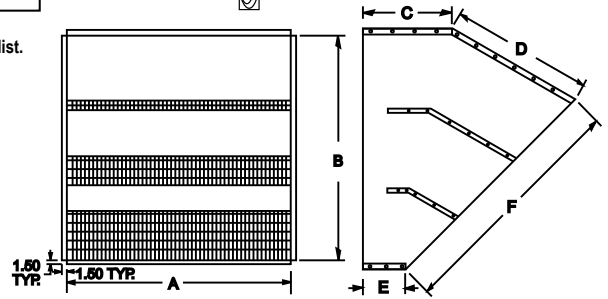
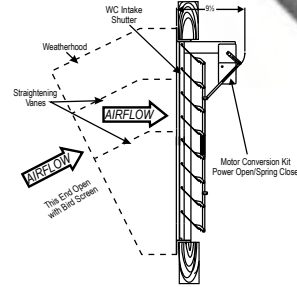
Cat. No.	A	B	C	D	E	F
WH24	30.50	30.50	15.29	18.06	9.43	30.50
WH30	36.50	36.50	18.30	21.62	11.28	36.50
WH36	42.50	42.50	21.31	25.17	13.14	42.50
WH42	48	48	19.42	28.43	10.19	48
WH48	54	54	21.04	31.98	10.65	54
WH54	60	60	22.88	35.54	11.34	60
WH60	66	66	24.04	38.59	11	66

Size	EDP#	Cat. No.	Ship Wt.	List
Hood for 24" Unit	99915	WH24	67	\$704
Hood for 30" Unit	99916	WH30	168	\$825
Hood for 36" Unit	99917	WH36	206	\$913
Hood for 42" Unit	99921	WH42	231	\$1199
Hood for 48" Unit	99923	WH48	303	\$1319
Hood for 54" Unit	99918	WH54	342	\$1532
Hood for 60" Unit	99919	WH60	382	\$1684

Used on 24" - 60" propeller wall fans.

For epoxy coating of Weatherhoods, add \$285 list.

Weatherhoods shipped knocked down for field assembly

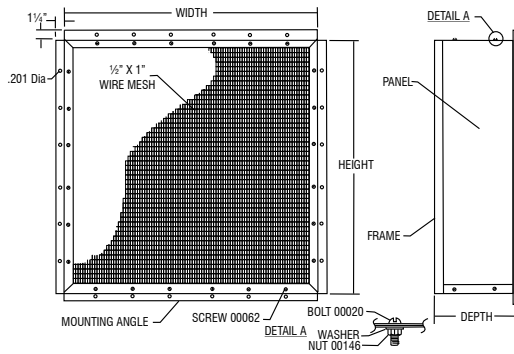


## FEATURES

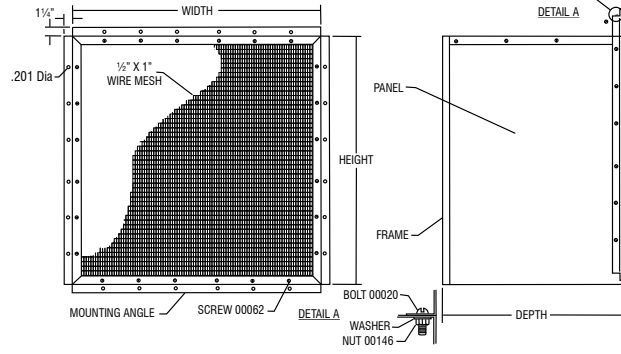
- Galvanized construction
- Removable mounting flanges on RG rear guard
- Shipped knocked down
- Easy to assemble
- 1/2" X 1" Wire Mesh Guard

# 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	7
16FG	19.75	19.75	6	16	10
18FG	21.75	21.75	6	16	11
24FG	27.75	27.75	6	16	15
30FG	33.75	33.75	6	16	18
36FG	39.75	39.75	6	24	28
42FG	45.75	45.75	6	24	35
48FG	51.75	51.75	6	24	40
54FG	57.75	57.75	6	24	43
60FG	63.75	63.75	6	24	48

Model	Height	Width	Depth	Frame Material	No. of Mounting Holes	Ship Weight
12RG	16.25	16.25	16	20 Ga.	16	20
16RG	22.25	22.25	16	20 Ga.	16	17
18RG	24.25	25.25	16	20 Ga.	16	22
24RG	30.54	30.54	25	20 Ga.	16	28
30RG	36.54	36.54	25	18 Ga.	16	42
36RG	42.57	42.57	28	18 Ga.	24	75
42RG	48.57	48.57	34.5	18 Ga.	24	101
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.	Totally Enclosed 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	32002	\$1769	32003	\$1798
	PLDA12HZ	3/4	3450	2044	1960	1920	1820	1650	1500	32008	\$1855	32009	\$1865
18"	PLDA18CA	1/4	1725	3450	3050	2500	2200			32014	\$1959	32015	\$1930
	PLDA18DA	1/3	1725	3315	3000	2600	2000	1400		32020	\$2069	32021	\$2048
	PLDA18JA	1	1725	4600	4375	4080	3600	3000	2100	32026	\$2729	32027	\$2507
24"	PLDA24CA	1/4	1725	5200	4200	2820	1050			32032	\$2158	32033	\$2123
	PLDA24DC	1/3	1140	4975	4690	4250	3920	2850		32038	\$2907	32039	\$2805
	PLDA24FA	1/2	1725	6510	5880	5200	4150	3100	1800	32044	\$2480	32045	\$2461
	PLDA24HC	3/4	1140	6900	6450	6265	5600	3300		32051	\$3663	32052	\$3105
	PLDA24JA	1	1725	7425	7000	6350	5850	5000	3300	32057	\$2949	32058	\$2729
	PLDA24OA	3	1725	10500	9800	9500	9100	8700	7800	-	-	32062	\$3242
27"	PLDA27FA	1/2	1725	7550	6829	6000	5100	4000	2000	32066	\$2697	32067	\$2665
	PLDA27JA	1	1725	9600	9000	8400	7775	7050	4800	32073	\$3105	32074	\$2905
	PLDA27MA	2	1725	11500	11200	10700	10000	9300	8000	32079	\$4230	32080	\$3132
30"	PLDA30FA	1/2	1725	8980	7650	6300	5400	4350	2300	32085	\$2872	32086	\$2923
	PLDA30HC	3/4	1140	10440	9750	8750	7640	600		32091	\$3959	32092	\$3388
	PLDA30MA	2	1725	12000	11250	10450	9600	8700	6000	32097	\$4009	32098	\$3419
	PLDA30MC	2	1140	14000	13750	12900	11850	10450	2500	-	-	32102	\$3956
	PLDA30OA	3	1725	16000	15350	14700	13850	12900	10200	-	-	32105	\$3530
34"	PLDA34KA	1-1/2	1725	13350	12100	10000	9100	7300		32109	\$3964	32110	\$3629
	PLDA34MA	2	1725	14850	13600	12100	10450	8800	4000	32115	\$4423	32116	\$3913
	PLDA34MC	2	1140	15950	15100	13800	12500	11400		-	-	32120	\$4192
	PLDA34OC	3	1140	19300	18290	17230	16000	14800	11614	-	-	32123	\$4944
42"	PLDA42JD	1	870	15800	15200	13480	12310	5800	900	-	-	32126	\$5290
	PLDA42MC	2	1140	17964	17277	15326	13990	12351	7600	-	-	32128	\$4987
	PLDA42MD	2	870	22040	21000	20500	18500	15000	6000	-	-	32131	\$6122
	PLDA42PC	5	1140	28970	27960	26840	25700	24200	19500	-	-	32133	\$6095
48"	PLDA48OC	3	1140	28600	26500	24400	22000	20000	15900	-	-	32136	\$6632
	PLDA48OD	3	870	28700	26500	24200	21600	18500	10000	-	-	32138	\$7631
	PLDA48PD	5	870	33000	31500	29750	27650	25300	18000	-	-	32140	\$8763

## 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	\$87	32142	\$386	32143	\$322	32144	\$757	32145	\$94
18"	32146	\$118	32147	\$408	32148	\$321	32149	\$934	32151	\$110
24"	32152	\$153	32153	\$416	32154	\$357	32155	\$1173	32156	\$123
27"	32157	\$161	32158	\$504	32159	\$357	32160	\$1334	32161	\$161
30"	32162	\$174	32163	\$518	32164	\$357	32165	\$1465	32166	\$190
34"	32167	\$196	32168	\$526	32169	\$357	32171	\$1654	32172	\$204
42"	32173	\$212	32174	\$561	32175	\$408	32176	\$1938	32177	\$225
48"	32178	\$241	32179	\$587	32180	\$481	32181	\$2252	32182	\$248



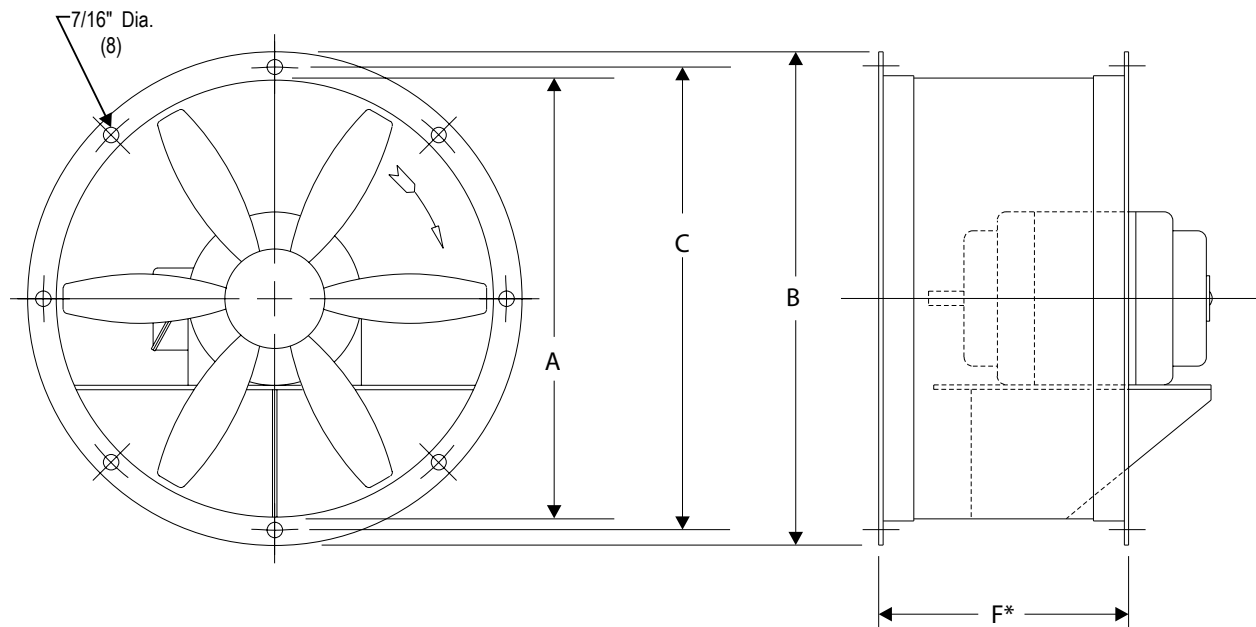
### PRICING (CONT.)

Model No.	Explosion Proof Single Speed				Approx. Ship. Wt.
	EDP No.	1 Phase 115/230V	EDP No.	3 Phase 230/460V	
PLDA12FZ	32004	\$2432	32005	\$2442	41
PLDA12HZ	32010	\$2668	32011	\$2687	50
PLDA18CA	32016	\$2517	32017	\$2461	60
PLDA18DA	32022	\$2805	32023	\$2623	90
PLDA18JA	32028	\$3545	32029	\$3511	100
PLDA24CA	32034	\$2722	32035	\$2650	96
PLDA24DC	32040	\$3629	32041	\$3919	100
PLDA24FA	32046	\$3232	32047	\$3393	114
PLDA24HC	32053	\$4274	32054	\$4251	120
PLDA24JA	32059	\$3758	32060	\$3714	150
PLDA24OA	-	-	32063	\$4365	190
PLDA27FA	32068	\$3444	32069	\$3672	122
PLDA27JA	32075	\$3918	32076	\$3895	152
PLDA27MA	32081	\$6558	32082	\$4281	175
PLDA30FA	32087	\$3608	32088	\$3766	128
PLDA30HC	32093	\$4552	32094	\$4565	185
PLDA30MA	32099	\$6989	32100	\$4234	180
PLDA30MC	-	-	32103	\$5076	180
PLDA30OA	-	-	32106	\$4646	200
PLDA34KA	32111	\$6530	32112	\$4620	190
PLDA34MA	32117	\$7091	32118	\$4837	200
PLDA34MC	-	-	32121	\$5352	200
PLDA34OC	-	-	32124	\$6681	250
PLDA42JD	-	-	-	-	260
PLDA42MC	-	-	32129	\$6047	252
PLDA42MD	-	-	-	-	260
PLDA42PC	-	-	32134	\$7902	300
PLDA48OC	-	-	-	-	290
PLDA48OD	-	-	-	-	290
PLDA48PD	-	-	-	-	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

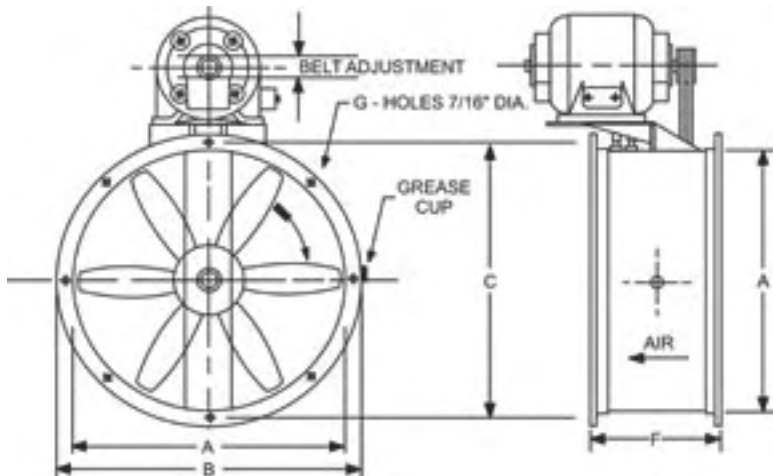


## FEATURES

- 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					Totally Enclosed 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		32185	\$2451	32186	\$2461
	PLDXA12FA	1/2	3450	1875	1650	1400	1320	1250	1100	32191	\$2451	32192	\$2533
	PLDXA12HA	3/4	3450	2044	1960	1920	1820	1650	1500	32197	\$2571	32198	\$2745
15"	PLDXA15CA	1/4	2000	2600	2100	1700				32203	\$2706	32204	\$2716
	PLDXA15DA	1/3	2200	2950	2500	2100	1760	1000		32209	\$2722	32210	\$2792
	PLDXA15FA	1/2	1890	3350	3000	2650	2200	1500		32215	\$2847	32216	\$2905
	PLDXA15HA	3/4	2200	3900	3700	3400	3100	2700	1150	32221	\$3168	32222	\$3146
18"	PLDXA18CA	1/4	1600	3050	2500	2000	1200			32227	\$2858	32228	\$2877
	PLDXA18DA	1/3	1725	3375	3000	2600	2000	1400		32233	\$2867	32234	\$2942
	PLDXA18FA	1/2	1890	3850	3500	3100	2500	2000		32239	\$2981	32240	\$3044
	PLDXA18JA	1	1725	4600	4375	4080	3600	3000	2100	32245	\$3663	32246	\$3509
	PLDXA18KA	1-1/2	1990	5350	5060	4830	4550	3950	3000	32251	\$3903	32252	\$3613
24"	PLDXA24FA	1/2	1298	5643	5320	4826	4440	3500		32257	\$3232	32258	\$3297
	PLDXA24HA	3/4	1600	6906	6510	5900	5440	4650	2750	32263	\$3524	32264	\$3511
	PLDXA24JA	1	1725	7425	7000	6350	5850	5000	3300	32269	\$3801	32270	\$3643
	PLDXA24KA	1-1/2	1540	8200	7900	7650	7280	6850	5500	32275	\$4812	32276	\$4552
	PLDXA24MA	2	1600	9760	9114	8830	8460	8090	7000	32281	\$5164	32282	\$4665
	PLDXA24OA	3	1725	10500	9800	9500	9100	8700	7800	-	-	32286	\$4855
27"	PLDXA27HA	3/4	1250	8330	7814	7550	7070	6500	4650	32290	\$4480	32291	\$4486
	PLDXA27JA	1	1400	9400	8675	8480	7950	7300	5200	32296	\$4754	32297	\$4633
	PLDXA27KA	1-1/2	1600	10700	10250	9700	9080	8375	6000	32302	\$5038	32303	\$4780
	PLDXA27MA	2	1350	11500	11200	10700	10000	9300	8000	32308	\$5451	32309	\$4955
30"	PLDXA30FA	1/2	1140	8900	7925	6660	4270	2300		32314	\$4413	32315	\$4523
	PLDXA30JA	1	1298	9896	8970	7980	6050	4120		32320	\$4910	32321	\$4785
	PLDXA30KA	1-1/2	1035	11100	10600	9700	8600	7500	3500	32326	\$5384	32327	\$5139
	PLDXA30MA	2	1176	12100	11660	11000	10121	9322	6700	32332	\$5739	32333	\$5258
	PLDXA30OA	3	1350	13480	12982	12498	12042	11465	10380	-	-	32337	\$5422
34"	PLDXA34KA	1-1/2	1170	13695	12400	11100	8365	6000	1050	32341	\$5650	32342	\$5413
	PLDXA34MA	2	1027	14657	13652	12590	11500	10000	8000	32347	\$6189	32348	\$5725
	PLDXA34OA	3	1175	17580	16750	15896	14600	14095	12000	-	-	32354	\$5867
42"	PLDXA42KA	1-1/2	750	18960	17000	14662	11700	7200		32358	\$6729	32359	\$6511
	PLDXA42MA	2	820	20700	18900	17002	14700	11400	4000	32364	\$7041	32365	\$6598
	PLDXA42OA	3	890	23700	22100	20200	18960	16970	9950	-	-	32369	\$6795
	PLDXA42PA	5	850	26900	25600	24403	23450	22250	18400	-	-	32374	\$7196
48"	PLDXA48PA	5	800	33000	31000	29400	27500	25670	20700	-	-	32377	\$10,259
	PLDXA48QA	7-1/2	900	37500	35900	34500	32800	31200	27700	-	-	32380	\$10,868
	PLDXA48RA	10	1000	41200	39700	38300	36900	35400	32400	-	-	32383	\$11,423



## 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.	Explosion Proof Single Speed				Approx. Ship. Wt.
	EDP No.	1 Phase 115/230V	EDP No.	3 Phase 230/460V	
PLDXA12CA	32187	\$2905	32188	\$3085	68
PLDXA12FA	32193	\$2971	32194	\$3398	72
PLDXA12HA	32199	\$3161	32200	\$3543	76
PLDXA15CA	32205	\$3161	32206	\$3350	73
PLDXA15DA	32211	\$3449	32212	\$3721	75
PLDXA15FA	32217	\$3589	32218	\$3831	80
PLDXA15HA	32223	\$3899	32224	\$3895	95
PLDXA18CA	32229	\$3303	32230	\$3511	80
PLDXA18DA	32235	\$3596	32236	\$3862	85
PLDXA18FA	32241	\$3728	32242	\$3967	95
PLDXA18JA	32247	\$4420	32248	\$4437	115
PLDXA18KA	32253	\$6321	32254	\$4573	125
PLDXA24FA	32259	\$3975	32260	\$4225	125
PLDXA24HA	32265	\$4247	32266	\$4342	130
PLDXA24JA	32271	\$4565	32272	\$4581	145
PLDXA24KA	32277	\$7239	32278	\$5521	150
PLDXA24MA	32283	\$8369	32284	\$5688	170
PLDXA24OA	-	-	32287	\$6000	185
PLDXA27HA	32292	\$5197	32293	\$5319	135
PLDXA27JA	32298	\$5519	32299	\$5564	155
PLDXA27KA	32304	\$7457	32305	\$5746	160
PLDXA27MA	32310	\$8654	32311	\$5981	210
PLDXA30FA	32316	\$5158	32317	\$5448	118
PLDXA30JA	32322	\$5674	32323	\$5739	140
PLDXA30KA	32328	\$7817	32329	\$6104	165
PLDXA30MA	32334	\$8943	32335	\$6280	200
PLDXA30OA	-	-	32338	\$6571	215
PLDXA34KA	32343	\$8079	32344	\$6383	175
PLDXA34MA	32349	\$9403	32352	\$6753	210
PLDXA34OA	-	-	32355	\$7016	275
PLDXA42KA	32360	\$9164	32361	\$7494	250
PLDXA42MA	32366	\$10,250	32367	\$7620	260
PLDXA42OA	-	-	32372	\$7942	275
PLDXA42PA	-	-	32375	\$8574	325
PLDXA48PA	-	-	32378	\$11,635	375
PLDXA48QA	-	-	32381	\$12,617	430
PLDXA48RA	-	-	32384	\$13,221	520

### WEATHER COVER FOR MOTOR AND DRIVE

Size	EDP #	HP	List
12" - 42"	88202	Up to 1.5	\$445
24" - 48"	88203	2 - 5	\$561
42" - 48"	88205	7.5 & Up	\$693

### 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	\$87	32386	\$386	32387	\$153	32388	\$322	32389	\$757	32391	\$94
15"	32392	\$102	32393	\$394	32394	\$153	32395	\$322	32396	\$846	32397	\$102
18"	32398	\$118	32399	\$408	32400	\$153	32401	\$322	32402	\$934	32403	\$110
24"	32404	\$153	32405	\$416	32406	\$169	32407	\$357	32408	\$1173	32409	\$123
27"	32412	\$161	32413	\$504	32414	\$212	32415	\$357	32416	\$1334	32417	\$161
30"	32418	\$174	32419	\$518	32420	\$212	32421	\$357	32422	\$1465	32423	\$190
34"	32424	\$196	32425	\$526	32426	\$269	32427	\$357	32428	\$1654	32429	\$204
42"	32431	\$212	32432	\$561	32433	\$306	32434	\$408	32435	\$1938	32436	\$225
48"	32437	\$241	32438	\$587	32439	\$401	32440	\$481	32441	\$2252	32442	\$248



# DIRECT DRIVE UPBLAST PROPELLER ROOF VENTILATORS MODEL UP



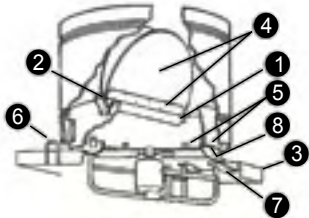
## FEATURES

- 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	17618	16879	16019	1.99
	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	\$2413	-
	30400	UP18H-G8	1/2 (TE)	165	-	\$2371
24"	30260	UP24H-F3	1/3 (TE)	290	\$2852	-
	30270	UP24H-I3	1 (TE)	290	\$2722	-
	30410	UP24H-F8	1/3 (TE)	230	-	\$3904
	30420	UP24H-I8	1 (TE)	230	-	\$2728
	30280	UP30H-H3	3/4 (TE)	290	\$2627	-
30"	30430	UP30H-H8	3/4 (TE)	290	-	\$3531
	30440	UP30H-K8	2 (TE)	290	-	\$3550
	30450	UP36H-I8	1 (TE)	350	-	\$4140
36"	30460	UP36H-L8	3 (TE)	350	-	\$4357
	30470	UP42H-I8	1 (TE)	500	-	\$5789
42"	30480	UP42H-K8	2 (TE)	500	-	\$5800
	30490	UP42H-M8	5 (TE)	500	-	\$5843
48"	30500	UP48H-K8	2 (TE)	575	-	\$7418
	30510	UP48H-M8	5 (TE)	575	-	\$7490
60"	30520	UP60H-L8	3 (TE)	775	-	\$9151

## ROOF CURBS FOR UP & UPB SERIES

Prop Dia.	EDP Number	Catalog Number	Description	Ship Wt.	List Price
18"	31050	PACN31.5-8	31 1/2" x 31 1/2" x 8" Insulated steel curb	34	\$276
24"	31055	PACN37.5-8	37 1/2" x 37 1/2" x 8" Insulated steel curb	39	\$329
30"	31060	PACN43.5-8	43 1/2" x 43 1/2" x 8" Insulated steel curb	45	\$381
36"	31065	PACN49.5-8	49 1/2" x 49 1/2" x 8" Insulated steel curb	50	\$435
42"	31070	PACN55.5-8	55 1/2" x 55 1/2" x 8" Insulated steel curb	60	\$514
48"	31075	PACN61.5-8	61 1/2" x 61 1/2" x 8" Insulated steel curb	67	\$539
60"	31080	PACN73.5-8	73 1/2" x 73 1/2" x 8" Insulated steel curb	85	\$645

PACN Curbs do not have Damper Shelf.

### NOTES:

For dimensional data, see page 56.

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.

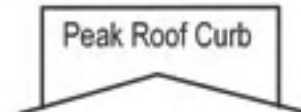
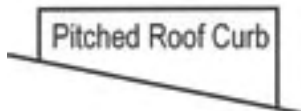
Pitched and Peaked Curbs available.

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.

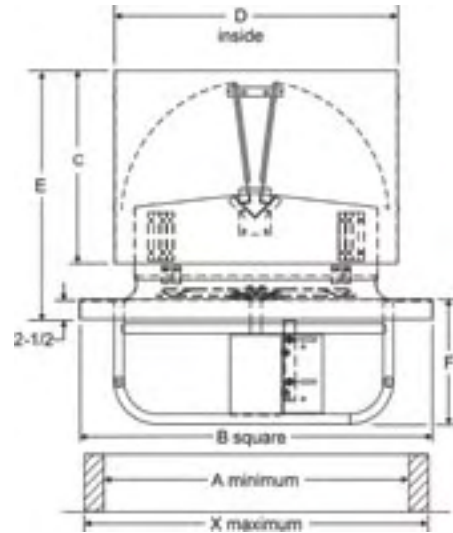
For pricing of Pitched or Peaked Roof Curbs greater than 8" in height, consult factory.

Please specify Pitched or Peaked when ordering.



### BELT DRIVE PERFORMANCE

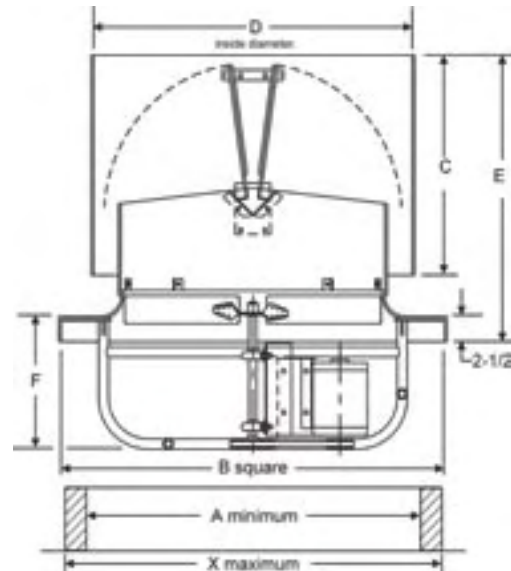
Prop Dia.	HP	RPM	0" SP CFM	1/8" CFM	1/4" CFM	0" BHP
24"	1/2	985	5652	4967	4152	0.57
	3/4	1133	6501	5940	5309	0.74
	1	1256	7207	6690	6121	1.01
30"	3/4	773	8870	7900	6493	0.77
	1	849	9742	8944	7836	1.02
	1-1/2	979	11233	10730	9644	1.57
36"	2	1085	12449	12072	11061	2.13
	1	661	12367	10698	9401	0.97
	1-1/2	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

### 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	\$2873	-
	30610	UPB24R-H3	3/4	270	\$2975	-
	30620	UPB24R-I3	1	270	\$2974	-
	30850	UPB24R-G8	1/2	270	-	\$2816
	30860	UPB24R-H8	3/4	270	-	\$2853
	30870	UPB24R-I8	1	270	-	\$2837
30"	30630	UPB30R-H3	3/4	330	\$3576	-
	30640	UPB30R-I3	1	330	\$3598	-
	30650	UPB30R-J3	1 1/2	330	\$3715	-
	30880	UPB30R-H8	3/4	330	-	\$3467
	30890	UPB30R-I8	1	330	-	\$3531
	30900	UPB30R-J8	1 1/2	330	-	\$3657
36"	30910	UPB30R-K8	2	330	-	\$3651
	30670	UPB36R-I3	1	375	\$4315	-
	30680	UPB36R-J3	1 1/2	375	\$4424	-
	30920	UPB36R-I8	1	375	-	\$4146
	30930	UPB36R-J8	1 1/2	375	-	\$4367
	30940	UPB36R-K8	2	375	-	\$4275
42"	30950	UPB36R-L8	3	375	-	\$4651
	30960	UPB36R-M8	5	375	-	\$5160
	30720	UPB42R-J3	1 1/2	525	\$4998	-
	30970	UPB42R-J8	1 1/2	525	-	\$4958
48"	30980	UPB42R-K8	2	525	-	\$4907
	30990	UPB42R-L8	3	525	-	\$5225
	31000	UPB42R-M8	5	525	-	\$5816
60"	31010	UPB48R-L8	3	600	-	\$5971
	31020	UPB48R-M8	5	600	-	\$6170
60"	31030	UPB60R-L8	3	800	-	\$8247
	31040	UPB60R-M8	5	800	-	\$8640



UPB SERIES

### 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 3/4	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.



# 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
- Emergency Disconnect Switch Standard

## 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



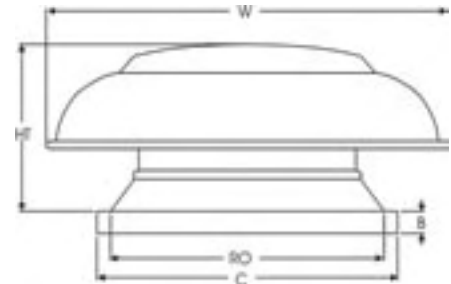
## 115V MODELS & OPTIONAL CURBS

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	\$607	PACA17.75-8 (31100) \$176	BD14.5A (32452) \$137
					PACA17.75-12 (31101) \$196	
12"	32645	ARD120XB	20	\$961	PACA17.75-8 (31100) \$176	BD14.5A (32452) \$137
					PACA17.75-12 (31101) \$196	
14"	32646	ARD140BC	34	\$1274	PACA20-8 (31102) \$200	BD16.75A (32453) \$158
					PACA20-12 (31103) \$220	
18"	32647	ARD180DC	46	\$1587	PACA25-8 (31110) \$258	BD21.75A (32454) \$218
					PACA25-12 (31111) \$302	

WALL MOUNT BRACKETS AVAILABLE - CONTACT FACTORY

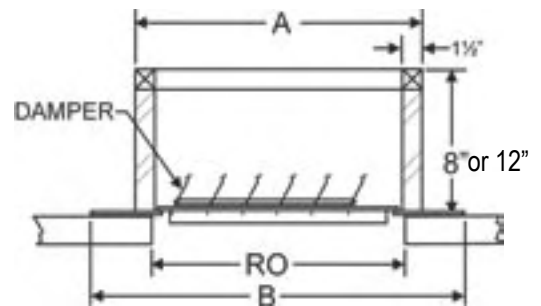
## FAN DIMENSIONS

Prop Dia.	Catalog Number	Ht	W	B	C	RO or WO
10"	ARD100	9"	18"	2"	19"	13"
12"	ARD120	11"	21-1/2"	2"	19"	13"
14"	ARD140	14"	27"	2"	21"	16"
18"	ARD180	16"	34"	2"	26"	20"



## CURB DIMENSIONS

Curb Cat. No.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.	Ship Wt.
PACA17.75	17-3/4"	23-3/4"	13"	BD14.5A	3
PACA20	20"	24"	16"	BD16.75A	4
PACA25	25"	29"	20"	BD21.75A	5



## 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

- Durable and Quiet at Higher Static Pressures
- Suitable for Roof or Wall Mount
- 115V, 1 Phase, 1 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	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	1/15	1600	3770	547	482	421	364	309	260	199	
CDD120-2	1/15	1500	4123	811	716	583	533	483			
CDD250B-2	1/4	1170	3599	926	849	783	714	604			
CDD330B-2	1/3	1700	5229	1455	1395	1341	1286	1226	1167	1108	969
CDD550B-2	1/2	1650	5940	2581	2465	2383	2294	2206	2109	2013	1811

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

### 115V MODELS

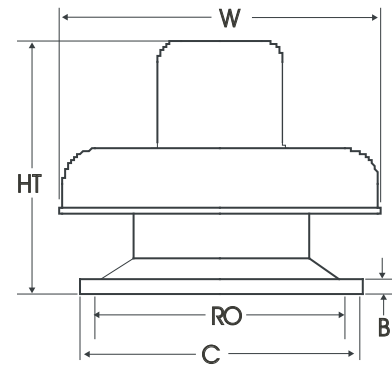
Wheel Dia.	EDP Number	Catalog Number	Ship Wt.	List Price.	8" Curb (EDP#)		Gravity Damper (EDP#)	
					12" Curb (EDP#)	List Price	Motor Kit (EDP#)	List Price
9"	32446	CDD100-2	30	\$709	PACA17.75-8	(31100) \$176	BD14.5A	(32452) \$137
					PACA17.75-12	(31101) \$196	Motor Kit 115/230V	(94283) \$250
10½"	32447	CDD120-2	35	\$809	PACA17.75-8	(31100) \$176	BD14.5A	(32452) \$137
					PACA17.75-12	(31101) \$196	Motor Kit 115/230V	(94283) \$250
10¾"	32448	CDD250B-2	45	\$1315	PACA20-8	(31102) \$200	BD16.75A	(32453) \$158
					PACA20-12	(31103) \$220	Motor Kit 115/230V	(94283) \$250
11¾"	32449	CDD330B-2	45	\$1722	PACA20-8	(31102) \$200	BD16.75A	(32453) \$158
					PACA20-12	(31103) \$220	Motor Kit 115/230V	(94283) \$250
12"	32451	CDD550B-2	50	\$2036	PACA20-8	(31102) \$200	BD16.75A	(32453) \$158
					PACA20-12	(31103) \$220	Motor Kit 115/230V	(94283) \$250

Motorized damper requires 12" Curb.

### WALL MOUNT BRACKETS AVAILABLE - CONTACT FACTORY

### FAN DIMENSIONS

Catalog Number	Ht.	W	B	C	Wall or Roof Opening
CDD100-2	14"	19"	2"	19"	13"
CDD120-2	16"	21"	2"	19"	13"
CDD250B-2	23-1/2"	27-5/8"	2"	21"	16"
CDD330B-2	23-1/2"	27-5/8"	2"	21"	16"
CDD550B-2	23-1/2"	27-5/8"	2"	21"	16"

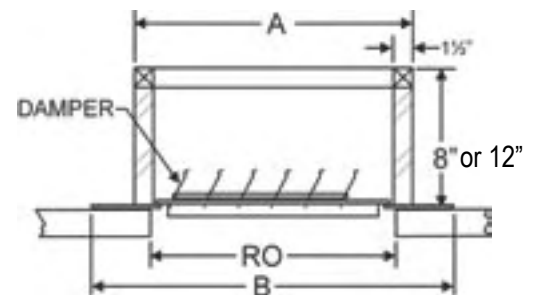


### CURB DIMENSIONS

Curb Cat. No.	Ship Wt.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.	Ship Wt.
PACA17.75	17	17-3/4"	23-3/4"	13"	BD14.5A	3
PACA20	22	20"	24"	16"	BD16.75A	4

### ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$132



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



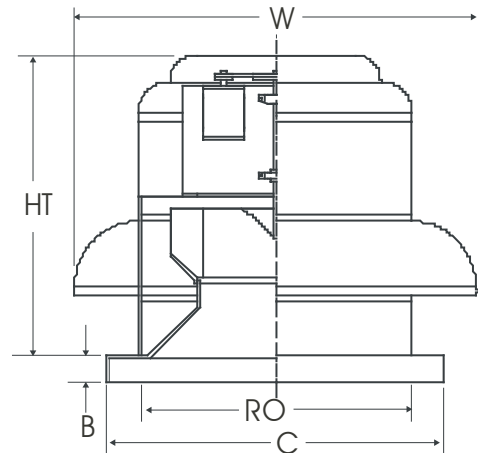
Wheel Dia.	Cat. Number	HP	Fan RPM	Tip Speed	Max BHP	Capacity (CFM) at "S.P.									Max. Sones	Ship Wt.
						0"	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"		
13"	CBD130CA	1/4	1255	4410	0.29	1985	1892	1799	1705	1609	1357	-	-	-	10.8	105
	CBD130DA	1/3	1328	4780	0.37	2152	2066	1980	1894	1807	1607	1300	-	-	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
	CBD150JA	1	1527	6296	1.08	3966	3880	3794	3709	3623	3413	3201	2944	2630	21.0	130
18"	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
	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
20"	CBD200FA	1/2	761	4110	0.49	4366	4174	3981	3725	3435	2541	-	-	-	8.4	155
	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
	CBD200MA	1-1/2	1093	5903	1.57	6271	6137	6003	5869	5735	5385	4993	4523	3830	15.0	185
24"	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
	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
30"	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
	CBD300PA	5	859	6943	5.20	14077	13859	13641	13422	13204	12744	12241	11720	11022	21.0	380
36"	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
	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.

### FAN DIMENSIONS

Catalog Number	Ht.	W	B	C	RO or WO
CBD130	25-1/2"	28-1/4"	2"	21"	16"
CBD150	28-1/4"	31-1/2"	2"	24-3/4"	20"
CBD180	31-1/2"	37-1/2"	2"	28"	24"
CBD200	31-1/2"	37-1/2"	2"	28"	24"
CBD245	37-1/2"	42"	2"	33"	28"
CBD300	39"	51-1/4"	2"	40"	36"
CBD365	42-1/2"	61-3/8"	2"	44"	40"

NOTES:  
Instructions for Wall Mounting included with each fan.  
Totally Enclosed Motors available upon request.  
50Hz motors available upon request.



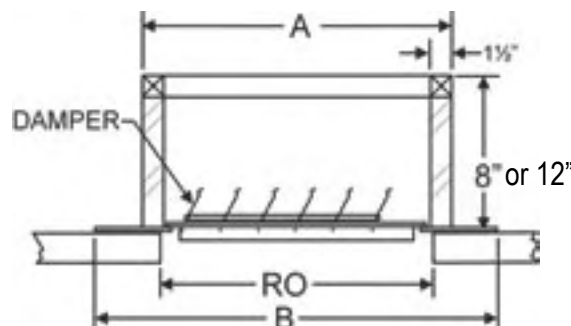
Cat. Number	EDP Number	1 Phase		3 Phase		8" Curb (EDP#)			Damper - Gravity (EDP#)		
		115/230V	EDP Number	208/230/460V	EDP Number	12" Curb (EDP#)			Damper Motor Kit (EDP#)		
CBD130CA	32459	\$1886	-	-	-	PACA20-8 (31102)	\$200	BD16.75A (32453)	\$158		
CBD130DA	32460	\$1919	-	-	-	PACA20-12 (31103)	\$220	Motor Kit 115/230V (94283)	\$250		
CBD130FA	32461	\$1969	32462	\$1927				Motor Kit 460V (94282)	\$250		
CBD150DA	32463	\$2045	-	-							
CBD150FA	32464	\$2096	32465	\$1903		PACA23.75-8 (31107)	\$245	BD29A (32455)	\$193		
CBD150HA	32466	\$2159	32467	\$2095		PACA23.75-12 (31108)	\$287	Motor Kit 115/230V (94283)	\$250		
CBD150JA	32468	\$2246	32469	\$2122				Motor Kit 460V (94282)	\$250		
CBD180DA	32471	\$2532	-	-							
CBD180FA	32472	\$2575	32473	\$2525							
CBD180HA	32474	\$2646	32475	\$2575		PACA27-8 (31112)	\$279	BD23.75A (32456)	\$238		
CBD180JA	32476	\$2743	32477	\$2606		PACA27-12 (31113)	\$326	Motor Kit 115/230V (94283)	\$250		
CBD180KA	32478	\$2781	32479	\$2622				Motor Kit 460V (94282)	\$250		
CBD180MA	32480	\$3111	32481	\$2910							
CBD200FA	32483	\$2714	32484	\$2662							
CBD200HA	32485	\$2789	32486	\$2711		PACA27-8 (31112)	\$279	BD23.75A (32456)	\$238		
CBD200JA	32487	\$2890	32488	\$2748		PACA27-12 (31113)	\$326	Motor Kit 115/230V (94283)	\$250		
CBD200KA	32489	\$3067	32493	\$2764				Motor Kit 460V (94282)	\$250		
CBD200MA	-	-	32494	\$3058							
CBD245HA	32495	\$3200	32496	\$3120							
CBD245JA	32497	\$3302	32498	\$3155		PACA32-8 (31115)	\$330	BD37A (32518)	\$290		
CBD245KA	32499	\$3485	32500	\$3169		PACA32-12 (31116)	\$387	Motor Kit 115/230V (94283)	\$250		
CBD245MA	-	-	32501	\$3421				Motor Kit 460V (94282)	\$250		
CBD245OA	-	-	32502	\$3502							
CBD300JA	32503	\$4151	32504	\$3984							
CBD300KA	32505	\$4352	32506	\$4006		PACA39-8 (31118)	\$401	BD44A (32457)	\$361		
CBD300MA	-	-	32507	\$4531		PACA39-12 (31119)	\$472	Motor Kit 115/230V (94283)	\$250		
CBD300OA	-	-	32508	\$4718				Motor Kit 460V (94282)	\$250		
CBD300PA	-	-	32509	\$4928							
CBD365JA	32511	\$5851	32512	\$5649							
CBD365KA	32513	\$6092	32514	\$5671		PACA43-8 (31121)	\$390	BD39.75A (32458)	\$411		
CBD365MA	-	-	32515	\$5711		PACA43-12 (31122)	\$519	Motor Kit 115/230V (94283)	\$250		
CBD365OA	-	-	32516	\$6531				Motor Kit 460V (94282)	\$250		
CBD365PA	-	-	32517	\$6784							

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 some levels. Sones are given for the highest value over catalog range.

**WALL MOUNT BRACKETS AVAILABLE (through CBD245-MA) - CONTACT FACTORY**

**CURB DIMENSIONS**

Curb Cat. No.	Ship Wt.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.	Ship Wt.
PACA20	20	20"	24"	16"	BD16.75A	4
PACA23.75	23	23.75"	27.75"	20"	BD29A	6
PACA27	28	27"	31"	24"	BD23.75A	7
PACA32	34	32"	36"	24"	BD37A	9
PACA39	39	39"	43"	36"	BD44A	16
PACA43	45	43"	47"	40"	BD39.75A	18



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.

**ACCESSORIES**

EDP No.	Description	List
62000	Curb Hinge	\$132



# BELT DRIVE CENTRIFUGAL UPBLAST EXHAUST FANS MODEL CBU



**High Efficiency... Quiet Operation**



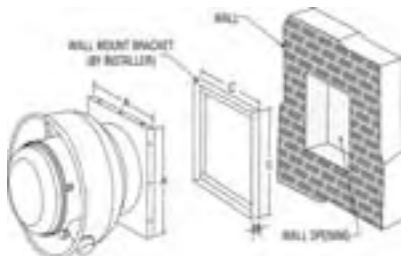
### FEATURES

- 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



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"			
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
20"	CBU180KA	1-1/2	1319	6439	1.59	4837	4736	4635	4417	4194	3959	3714	3052	23	180
	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
24"	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
	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
30"	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
	CBU300HA	3/4	458	3702	0.77	6445	5941	5388	-	-	-	-	-	9	340
36"	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
	CBU300PA	5	864	6984	5.19	13153	12985	12409	11942	11400	10829	9582	-	27	410
36"	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

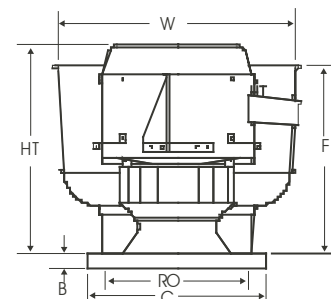
MODEL	A	C	WALL OPENING*
CBU130	21	20-1/2	17-3/8
CBU150	24-3/4	24-1/4	17-3/8
CBU 180	28	27-1/2	17-3/8
CBU200	28	27-1/2	17-3/8
CBU245	33	32-1/2	20-3/8

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

### FAN DIMENSIONS

Wheel Dia.	Catalog Number	Ht.	W	B	C	F	RO or WO*
13"	CBU130	25-1/2"	28-1/4"	2"	21"	23"	16"
15"	CBU150	28-1/4"	31-1/2"	2"	24-3/4"	23"	20"
18"	CBU180	31-1/2"	37-1/2"	2"	28"	26"	24"
20"	CBU200	31-1/2"	37-1/2"	2"	28"	26"	24"
24"	CBU245	37-1/2"	42"	2"	33"	31"	28"
30"	CBU300	39"	51-1/4"	2"	40"	33-1/8"	34"
36"	CBU365	42-1/2"	61-3/8"	2"	44"	45-1/4"	38"

\* Wall mount not available for 30" or 36" size



NOTES:  
Instructions for Wall Mounting included with each fan.  
50Hz motors available.



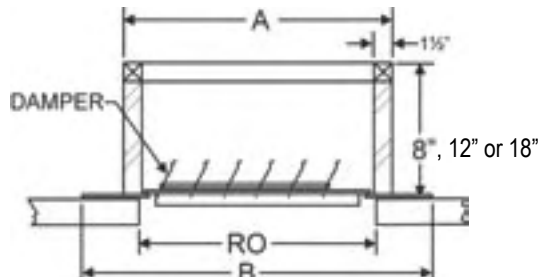
Cat. Number	EDP Number	Single Speed (ODP)			Optional Accessories								
		1 Phase 115/ 230V	EDP Number	3 Phase 208/230/ 460V	8" Curb (EDP#) 12" Curb (EDP#) 18" High Ventilated Curb (EDP#)			Damper / Gravity (EDP#) Damper Motor Kit (EDP#)			Wall Mount Damper (EDP#) Wall Grille (EDP#)		
CBU130CA	32524	\$2290	-	-	PACA20-8	(31102)	\$200	BD16.75A	(32453)	\$158	D17V	(32519)	\$144
CBU130DA	32525	\$2310	-	-	PACA20-12	(31103)	\$220	Motor Kit 115/230V	(94283)	\$250	WG17	(32522)	\$159
CBU130FA	32526	\$2322	32527	\$2273	PACA20-18V	(31104)	\$405	Motor Kit 460V	(94282)	\$250			
CBU150DA	32528	\$2413	-	-	PACA23.75-8	(31107)	\$245	BD29A	(32455)	\$193			
CBU150FA	32529	\$2473	32531	\$2422	PACA23.75-12	(31108)	\$287	Motor Kit 115/230V	(94283)	\$250	D17V	(32519)	\$144
CBU150HA	32532	\$2547	32533	\$2472	PACA23.75-18V	(31109)	\$481	Motor Kit 460V	(94282)	\$250	WG17	(32522)	\$159
CBU150JA	32534	\$2650	32535	\$2506									
CBU180DA	32536	\$2970	-	-									
CBU180FA	32537	\$3040	32538	\$2981	PACA27-8	(31112)	\$279	BD23.75A	(32456)	\$238	D17V	(32519)	\$144
CBU180HA	32539	\$3125	32540	\$3038	PACA27-12	(31113)	\$326	Motor Kit 115/230V	(94283)	\$250	WG17	(32522)	\$159
CBU180JA	32541	\$3240	32542	\$3076	PACA27-18V	(31114)	\$547	Motor Kit 460V	(94282)	\$250			
CBU180KA	32543	\$3282	32544	\$3092									
CBU200DA	32545	\$3132	-	-									
CBU200FA	32546	\$3205	32547	\$3142	PACA27-8	(31112)	\$279	BD23.75A	(32456)	\$238	D17V	(32519)	\$144
CBU200HA	32548	\$3292	32549	\$3203	PACA27-12	(31113)	\$326	Motor Kit 115/230V	(94283)	\$250	WG17	(32522)	\$159
CBU200JA	32552	\$3413	32553	\$3242	PACA27-18V	(31114)	\$547	Motor Kit 460V	(94282)	\$250			
CBU200KA	32554	\$3622	32555	\$3261									
CBU245HA	32556	\$3776	32557	\$3683									
CBU245JA	32558	\$3898	32559	\$3723	PACA32-8	(31115)	\$330	BD37A	(32518)	\$290			
CBU245KA	32560	\$4114	32561	\$3743	PACA32-12	(31116)	\$387	Motor Kit 115/230V	(94283)	\$250	D20V	(32520)	\$163
CBU245MA	-	-	32562	\$4038	PACA32-18V	(31117)	\$648	Motor Kit 460V	(94282)	\$250	WG20	(32523)	\$211
CBU245OA	-	-	32563	\$4131									
CBU245PA	-	-	32564	\$4508									
CBU300HA	32565	\$4763	32566	\$4659									
CBU300JA	32567	\$4900	32568	\$4704	PACA39-8	(31118)	\$401	BD44A	(32457)	\$361			
CBU300KA	32569	\$5138	32573	\$4725	PACA39-12	(31119)	\$472	Motor Kit 115/230V	(94283)	\$250	N/A		
CBU300MA	-	-	32574	\$5350	PACA39-18V	(31120)	\$790	Motor Kit 460V	(94282)	\$250			
CBU300OA	-	-	32575	\$5568									
CBU300PA	-	-	32576	\$5818									
CBU365KA	32577	\$7189	32578	\$6692	PACA43-8	(31121)	\$390	BD39.75A	(32458)	\$411			
CBU365MA	-	-	32579	\$6741	PACA43-12	(31122)	\$519	Motor Kit 115/230V	(94283)	\$250	N/A		
CBU365OA	-	-	32580	\$7707	PACA43-18V	(31123)	\$870	Motor Kit 460V	(94282)	\$250			
CBU365PA	-	-	32581	\$8008									

Backdraft Damper not for use in kitchen exhaust applications.

### WALL BRACKETS AVAILABLE (through CBU245-MA) - CONTACT FACTORY

#### CURB DIMENSIONS

Curb Cat. No.	Ship Wt.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.	Ship Wt.
PACA20	20	20"	24"	16"	BD16.75A	4
PACA23.75	23	23.75"	27.75"	20"	BD29A	6
PACA27	28	27"	31"	24"	BD23.75A	7
PACA32	39	32"	36"	28"	BD37A	9
PACA39	39	39"	43"	36"	BD44A	16
PACA43	45	43"	47"	40"	BD39.75A	18



#### ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$132
62002	Bird Screen	\$150
62003	Grease Box	\$150

NOTE: Cannot use a Bird Screen and a Grease Box on the same fan.

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



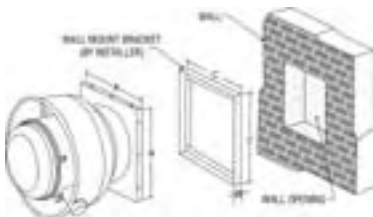
### FEATURES

- 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
18"	CBU-HP150JA	1	1855	7649	1.08	2666	2557	2450	2198	1885	1674	1344	-	-	-	23.0	140
	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
	CBU-HP200MA	2	1430	7768	2.10	5195	5022	4826	4423	3915	3593	3176	2394	-	-	25.0	195
24"	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
	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
30"	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
	CBU-HP300HA	3/4	520	4203	0.78	5092	4160	-	-	-	-	-	-	-	-	10.0	350
30"	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

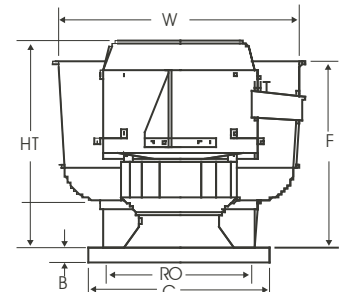
MODEL	A	C	WALL OPENING*
CBU-HP150	26	25-1/2	17-3/8
CBU-HP180	28	27-1/2	17-3/8
CBU-HP200	28	27-1/2	17-3/8
CBU-HP245	33	32-1/2	20-3/8

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

### FAN DIMENSIONS

Wheel Dia.	Catalog Number	Ht.	W	B	C	F	RO or WO*
15"	CBU-HP150	28-1/4"	31-1/2"	2"	24-3/4"	24-3/4"	20"
18"	CBU-HP180	31-1/2"	37-1/2"	2"	28"	26"	24"
20"	CBU-HP200	31-1/2"	37-1/2"	2"	28"	26"	24"
24"	CBU-HP245	37-1/2"	42"	2"	33"	31"	25"
30"	CBU-HP300	39"	51-1/4"	2"	40"	33-1/8"	36"

\* Wall mount not available for 30" size.



NOTE:  
50 Hz motors available.





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

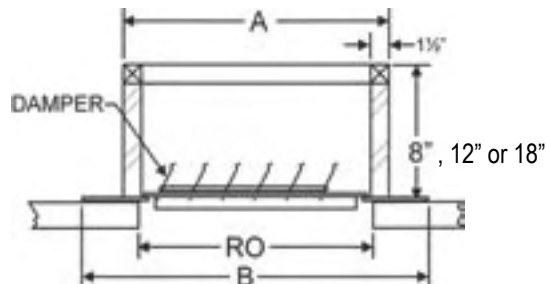
Cat. Number	EDP No.	1 Sp / 1 Ph 115/230V	EDP No.	1 Sp / 3 Ph 208/230/460V	Optional Accessories					
					8" Curb (EDP#) 12" Curb (EDP#) 18" High Ventilated Curb (EDP#)	Gravity Damper (EDP#) Damper Motor Kit (EDP#)		Wall Mount Damper (EDP#) Wall Grille (EDP#)		
CBU-HP150DA	32582	\$2599	-	-	PACA23.75-8 (31107) \$245	BD29A (32455) \$193				
CBU-HP150FA	32583	\$2662	32584	\$2610	PACA23.75-12 (31108) \$287	Motor Kit 115/230V (94283) \$250	D17V (32519) \$144			
CBU-HP150HA	32585	\$2744	32586	\$2662	PACA23.75-18V (31109) \$481	Motor Kit 460V (94282) \$250	WG17 (32522) \$159			
CBU-HP150JA	32587	\$2854	32588	\$2700						
CBU-HP180FA	32589	\$3276	32592	\$3211						
CBU-HP180HA	32593	\$3367	32594	\$3271	PACA27-8 (31112) \$279	BD23.75A (32456) \$238	D17V (32519) \$144			
CBU-HP180JA	32595	\$3491	32596	\$3312	PACA27-12 (31113) \$326	Motor Kit 115/230V (94283) \$250	WG17 (32522) \$159			
CBU-HP180KA	32597	\$3534	32598	\$3332	PACA27-18V (31114) \$547	Motor Kit 460V (94282) \$250				
CBU-HP180MA	32599	\$3955	32600	\$3700						
CBU-HP200HA	32601	\$3548	32602	\$3450						
CBU-HP200JA	32603	\$3676	32604	\$3491	PACA27-8 (31112) \$279	BD23.75A (32456) \$238	D17V (32519) \$144			
CBU-HP200KA	32605	\$3902	32606	\$3861	PACA27-12 (31113) \$326	Motor Kit 115/230V (94283) \$250	WG17 (32522) \$159			
CBU-HP200MA	32607	\$4155	32608	\$3888	PACA27-18V (31114) \$547	Motor Kit 460V (94282) \$250				
CBU-HP200OA	32609	\$5057	32612	\$4558						
CBU-HP245HA	32613	\$4067	32614	\$3965						
CBU-HP245JA	32615	\$4201	32616	\$4009	PACA32-8 (31115) \$330	BD37A (32518) \$290				
CBU-HP245KA	32617	\$4429	32618	\$4028	PACA32-12 (31116) \$387	Motor Kit 115/230V (94283) \$250	D20V (32520) \$163			
CBU-HP245MA	32619	\$5247	32620	\$4349	PACA32-18V (31117) \$648	Motor Kit 460V (94282) \$250	WG20 (32523) \$211			
CBU-HP245OA	32621	\$5735	32622	\$4450						
CBU-HP245PA	-	-	32623	\$4854						
CBU-HP300HA	32624	\$5130	32625	\$5019						
CBU-HP300JA	32626	\$5614	32627	\$5066	PACA39-8 (31118) \$401	BD44A (32457) \$361				
CBU-HP300KA	32628	\$5534	32629	\$5090	PACA39-12 (31119) \$472	Motor Kit 115/230V (94283) \$250				
CBU-HP300MA	32632	\$6015	32633	\$5763	PACA39-18V (31120) \$790	Motor Kit 460V (94282) \$250				
CBU-HP300OA	32634	\$6601	32635	\$5995						
CBU-HP300PA	-	-	32636	\$6265					N/A	

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.

**WALL MOUNT BRACKETS AVAILABLE (through CBU-HP245-MA) - CONTACT FACTORY**

**CURB DIMENSIONS**

Curb Cat. No.	Ship Wt.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.	Ship Wt.
PACA23.75	23	23.75"	27.75"	20"	BD29A	6
PACA27	28	27"	31"	24"	BD23.75A	7
PACA32	34	32"	36"	28"	BD37A	9
PACA39	39	39"	43"	36"	BD44A	16



**ACCESSORIES**

EDP No.	Description	List
62000	Curb Hinge	\$132
62002	Bird Screen	\$150
62003	Grease Box	\$150

NOTE: Cannot use a Bird Screen and a Grease Box on the same fan.

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	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	1/15	1600	3770	547	479	417	363	310	256	193				
CDU120-2	1/15	1500	4123	753	687	611	538	451	327	185				
CDU250B-2	1/4	1150	3538	900	831	751	650	540	233					
CDU300B-2	1/3	1725	5153	1342	1296	1242	1182	1124	1056	994	843	637		
CDU500B-2	1/2	1670	6012	2181	2116	2052	1987	1922	1865	1786	1615	1418	1174	

\*CDU100-2 UL 705 Listed.

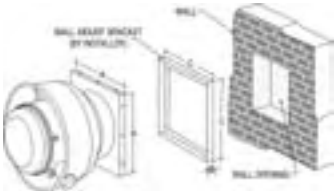
Variable speed control allows for 50% range of stated CFM. Speed control can be wired for low or high speed. Performance shown is for installation Type A; Free Inlet, Free Outlet. Performance includes effect of bird screen in the airstream. Speed (RPM) shown is nominal and performance is based on actual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



### 115V MODELS & OPTIONAL CURBS

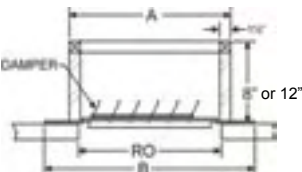
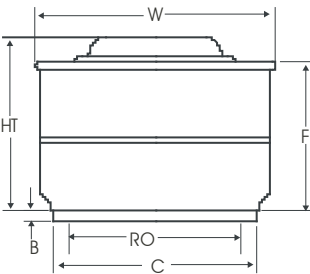
Wheel Dia.	EDP Number	Catalog Number	Ship Wt.	ODP 1 Speed 1 Phase 115V	8" Curb (EDP #) 12" Curb (EDP #)	Roof Mount Gravity Damper (EDP #) Damper Motor Kit (EDP#)
9"	32637	CDU100-2	30	\$1049	PACA17.75-8 (31100) \$176 PACA17.75-12 (31101) \$196	BD14.5A (32452) \$137 Motor Kit 115/230V (94283) \$250
10-1/2"	32638	CDU120-2	40	\$1074	PACA17.75-8 (31100) \$176 PACA17.75-12 (31101) \$196	BD14.5A (32452) \$137 Motor Kit 115/230V (94283) \$250
11-3/4"	32639	CDU250B-2	50	\$1689	PACA20-8 (31102) \$200 PACA20-12 (31103) \$220	BD16.75A (32453) \$158 Motor Kit 115/230V (94283) \$250
11-3/4"	32642	CDU300B-2	50	\$2350	PACA20-8 (31102) \$200 PACA20-12 (31103) \$220	BD16.75A (32453) \$158 Motor Kit 115/230V (94283) \$250
13-3/4"	32643	CDU500B-2	55	\$2572	PACA20-8 (31102) \$200 PACA20-12 (31103) \$220	BD16.75A (32453) \$158 Motor Kit 115/230V (94283) \$250

### CDU WALL MOUNTING DETAILS



MODEL	A	C	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.



### WALL MOUNT BRACKETS AVAILABLE - CONTACT FACTORY

### ACCESSORIES

EDP No.	Description	List
62000	Curb Hinge	\$132
62001	Bird Screen - for CDU 100 - 120	\$150
62002	Bird Screen - for CDU 250 - 500	\$150
62003	Grease Box	\$150

NOTE: Cannot use a Bird Screen and a Grease Box on the same fan.

### OPTIONAL ACCESSORIES

EDP Number	Catalog Number	Wall Mount Damper (EDP #)	Wall Grille (EDP #)
32637	CDU100-2	D15V (32640) \$121	WG15 (32641) \$129
32638	CDU120-2	D15V (32640) \$121	WG15 (32641) \$129
32639	CDU250B-2	D17V (32519) \$144	WG17 (32522) \$159
32642	CDU300B-2	D17V (32519) \$144	WG17 (32522) \$159
32643	CDU500B-2	D17V (32519) \$144	WG17 (32522) \$159

NOTE: Damper not to be used for kitchen applications.

### FAN DIMENSIONS

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

### CURB DIMENSIONS

Curb Cat. No.	Ship Wt.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.	Ship Wt.
PACA17.75	17	17-3/4"	23-3/4"	13"	BD14.5A	3
PACA20	20	20"	24"	16"	BD16.75A	4

### 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.



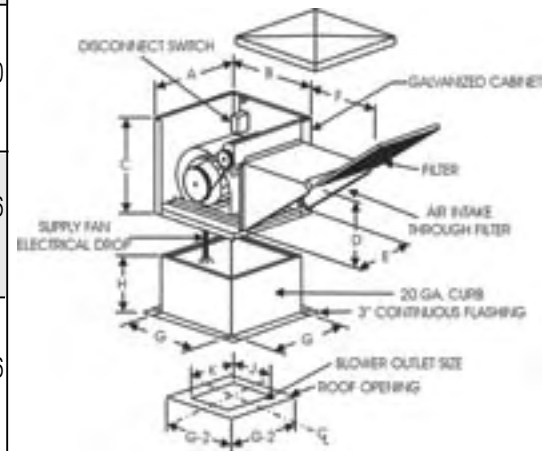
**FEATURES**

- 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" RPM/BHP	0.125" RPM/BHP	0.250" RPM/BHP	0.375" RPM/BHP	0.500" RPM/BHP	0.625" RPM/BHP	0.750" RPM/BHP	0.875" RPM/BHP	1.000" RPM/BHP
CAS100	500	482	156/0.01	351/0.02	500/0.05	606/0.13	702/0.18	788/0.22	865/0.27	936/0.32	1000/0.37
CAS100	1000	964	279/0.04	400/0.07	509/0.10	580/0.21	730/0.30	798/0.36	861/0.41	926/0.47	991/0.53
CAS100	1500	1446	410/0.13	495/0.17	580/0.21	658/0.25	730/0.30	798/0.36	861/0.41	926/0.47	991/0.53
CAS100	2000	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	742/0.46	796/0.52	849/0.58
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	582/0.56	632/0.66	690/0.95	732/1.06
CAS150	2500	1217	282/0.18	346/0.24	411/0.31	471/0.38	528/0.47	582/0.56	632/0.66	690/0.95	732/1.06
CAS150	3000	1461	336/0.31	391/0.38	447/0.46	500/0.54	550/0.63	599/0.73	645/0.84	707/1.18	746/1.31
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	\$2435	-	-	PAC22.5 (90122) \$230
	CAS100FA	1/2	202	32649	\$2445	32653	\$2334	
	CAS100HA	3/4	211	32654	\$2461	32655	\$2388	
	CAS100JA	1	212	32656	\$2561	32657	\$2438	
	CAS100KA	1-1/2	220	32658	\$2242	32659	\$2138	
	CAS100MA	2	224	-	-	32660	\$2182	
12"	CAS120FA	1/2	277	32661	\$2937	32662	\$2900	PAC33 (32521) \$336
	CAS120HA	3/4	286	32663	\$3020	32664	\$2951	
	CAS120JA	1	287	32665	\$3135	32666	\$3004	
	CAS120KA	1-1/2	295	32667	\$3193	32668	\$3067	
	CAS120MA	2	299	32669	\$3338	32671	\$3079	
	CAS120OA	3	315	32672	\$3412	32673	\$3190	
15"	CAS150HA	3/4	351	32674	\$3320	32675	\$3135	PAC33 (32521) \$336
	CAS150JA	1	352	32676	\$3393	32677	\$3171	
	CAS150KA	1-1/2	360	32678	\$3451	32679	\$3227	
	CAS150MA	2	364	32680	\$3506	32681	\$3227	
	CAS150OA	3	380	32682	\$3580	32683	\$3346	
	CAS150PA	5	390	32684	\$3654	32685	\$3453	


**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.



# GRAVITY RELIEF VENTS MODEL EGRV



*Economical*



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

Approximate Throat Dia.	EDP Number	Catalog Number	CFM*	Ship Wt.	List	Curb (EDP)	**Exhaust Backdraft Damper w/ Motor Kit (EDP)
12"	32443	EGRV120	1000	21	\$340	PACA17.75 (31100) \$176	BD14.5A (32452) \$137 Motor Kit 115/230V (94283) \$250
14"	32444	EGRV140	1475	33	\$748	PACA20 (31102) \$200	BD16.75A (32453) \$158 Motor Kit 115/230V (94283) \$250
18"	32445	EGRV180	2400	55	\$982	PACA25 (31110) \$258	BD21.75A (32454) \$218 Motor Kit 115/230V (94283) \$250

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

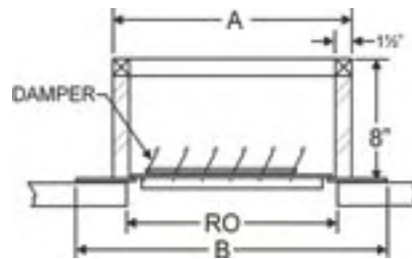
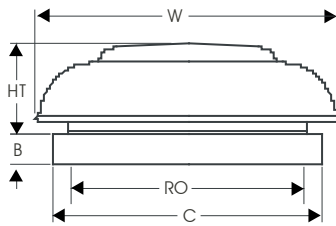
**DIMENSIONS**

Catalog Number	Ht.	W	B	C	Roof Opening	Approx. Throat Opening in Sq. Ft.
EGRV120	11"	21"	2"	18-1/2"	13"	.79
EGRV140	14"	27"	2"	21"	16"	1.07
EGRV180	16"	34"	2"	26"	20"	1.97



**CURB DIMENSIONS**

Approx. Throat Size	Curb Cat. No.	Ship Wt.	A Sq.	B Sq.	Roof Opening	Damper Cat. No.	Ship Wt.
12"	PACA17.75	17	17-3/4"	23-3/4"	13"	BD14.5A	3
14"	PACA20	20	20"	24"	16"	BD16.75A	4
18"	PACA25	26	25"	29"	20"	BD21.75A	5





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	\$1358
30"	◀32688	HVB30T	1/3	\$1427
36"	◀32689	HVB36T	1/3	\$1652

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)	-	\$123
24820	T1	Temp. Switch (Wall Mt.)	45° - 85° F	\$206
90783	TS631	Temp. Switch (Attic Mt.)	70° - 140° F	\$195
90798	S1A1	Fuse Cut Off Switch	-	\$74

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

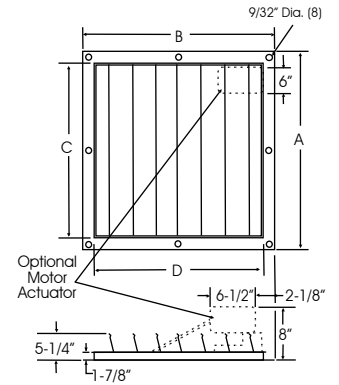
### OPTIONAL CEILING SHUTTERS



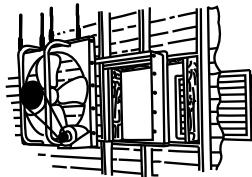
### CEILING SHUTTER DIMENSIONS

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

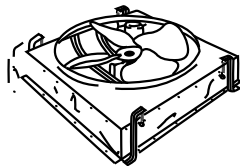
Note: The AS36R is rectangular to allow the HVB36 to be used in narrow hallways.



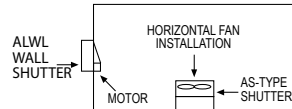
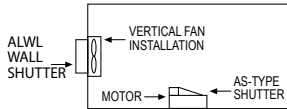
Ceiling Shutter



Vertical Installation



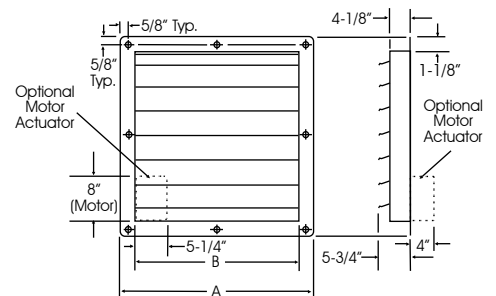
Horizontal Installation



### OPT. MOTOR CONVERSION KIT WITH SWITCH

Catalog Number	EDP Number	Used On	Volt	List Price
ASXP Kit	99794	AS24 - 36	115/230	\$284
A-LXP Kit 1	99790	ALWL 24, 30 & 36	115/230	\$296

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



Wall Shutter

### OPTIONAL WALL SHUTTERS

Prop Dia.	EDP Number	Catalog Number	List Price
24"	32695	ALWL24	\$224
30"	32696	ALWL30	\$265
36"	32697	ALWL36	\$417

### 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

Attach only to outside wall of house.

### 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.





# TURBO™ IN-LINE CENTRIFUGAL DUCT FAN



## 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	97	73	15	4"	8.8	\$274
23151	TBP-6	58-82	260	227	197	162	135	98	19	6"	8.8	\$292

Maximum ambient temperature 130°

### FAN ACCESSORY TURBO KITS

EDP#	KIT#	INCLUDES:	Ship Wt.	List
23159	TBK-4	(1) 4" Vent, (1) 4" Damper, (3) Duct Ties	2.0	\$38
23160	TBK-6	(1) 6" Vent, (1) 6" Damper, (3) Duct Ties	2.2	\$39
23161	TBK-6D	(2) 4" Vents, (1) 6" Damper, (1) Tee - 6x4x4, (7) Duct Ties	3.7	\$98

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

### ACCESSORIES



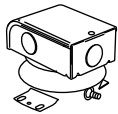
"Y" Connector (Duct Tee)



Speed Controller



Humidistat



Dryer Pressure Switch



Backdraft Damper



Diffuser (Vent)

### TURBO FAN ACCESSORIES

EDP#	Model#		Ship Wt.	List
23201	PS-DB	Pressure Sensing Switch Kit	1.5	\$169
23168	DT-6	6" x 4" x 4" Duct Tee.	2.5	\$39
23173	DT-10	10" x 8" x 8" Duct Tee.	3.5	\$47
24855	485210	Variable Speed Controller, 1 Phase, 5 amp speed control for accurate airflow control.	1.0	\$55
24880	H-1	Humidistat, 20% to 80% RH range	1.0	\$242
23163	DF-4	4" Diffuser Vent.	0.8	\$23
23164	DF-6	6" Diffuser Vent.	1.0	\$26
23165	BD-4	4" Backdraft Damper.	0.8	\$16
23166	BD-6	6" Backdraft Damper.	1.0	\$21
23172	BD-10	10" Backdraft Damper	1.4	\$52

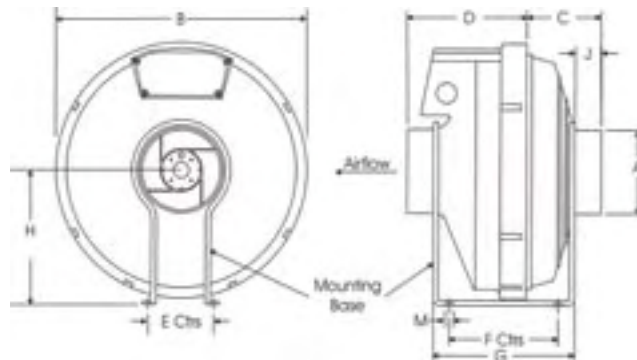
### DIMENSIONS

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"

### 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

See page 70 for Turbo Fan product applications.

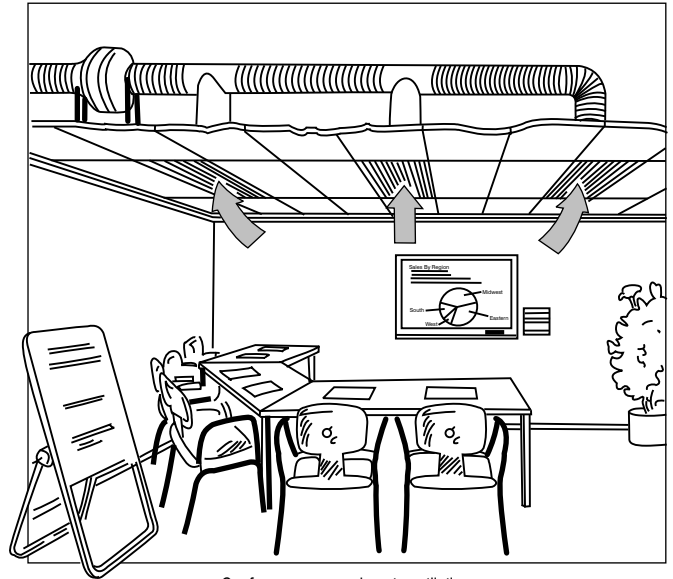


TURBO FAN includes mounting base and 2 duct ties.

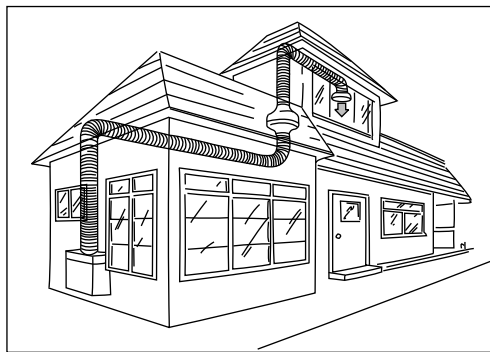


**TYPICAL APPLICATIONS**

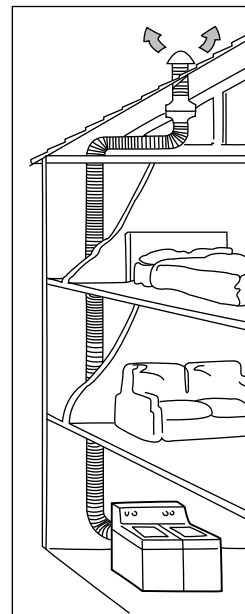
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
BATHROOM EXHAUST	X	X	X
LOCKER ROOM EXHAUST		X	X
KITCHEN EXHAUST (not over range hood)	X		
CLOTHES DRYER EXHAUST	X	X	
PRIMARY EXHAUST FAN	X	X	X
DUCT BOOSTER	X	X	X
WARM AIR TRANSFER	X	X	X
GENERAL VENTILATION	X	X	X
CONFERENCE ROOM EXHAUST		X	
SMOKE AREAS	X	X	X
CAFETERIA 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



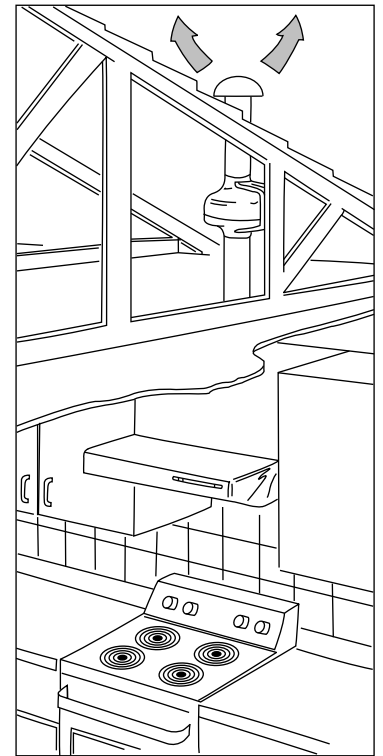
Conference room exhaust ventilation



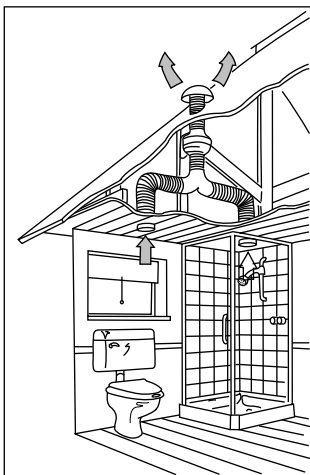
(TURBO Fan) transferring conditioned air to a new room addition



(TURBO) Fan assisted dryer exhaust



(TURBO Fan) rangehood exhaust



Multi-ventilating points with one TURBO Fan

**FEATURES**
**BENEFITS**

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



# INTAKE LOUVERS MODEL LE47 - FIXED



### 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

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" W x 60" H (7.47 Sq. Ft.).

### LE47 FREE AREA IN SQUARE FEET

HEIGHT	WIDTH							
	12"	24"	36"	48"	60"	72"	84"	96"
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.

LE47 INTAKE LOUVER  
(Fixed Blade)



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

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

Height	Width															
	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	
12"	\$249	\$287	\$331	\$369	\$408	\$478	\$521	\$574	\$617	\$719	\$757	\$805	\$842	\$890	\$928	
18"	\$295	\$341	\$392	\$474	\$536	\$582	\$637	\$707	\$761	\$892	\$940	\$995	\$1040	\$1091	\$1138	
24"	\$341	\$396	\$490	\$556	\$622	\$679	\$749	\$827	\$890	\$1038	\$1096	\$1153	\$1219	\$1279	\$1336	
30"	\$401	\$496	\$574	\$652	\$727	\$797	\$870	\$962	\$1046	\$1211	\$1279	\$1349	\$1422	\$1487	\$1557	
36"	\$451	\$574	\$664	\$761	\$850	\$932	\$1026	\$1150	\$1239	\$1441	\$1526	\$1612	\$1702	\$1787	\$1868	
42"	\$536	\$642	\$745	\$847	\$940	\$1038	\$1150	\$1279	\$1383	\$1600	\$1697	\$1787	\$1888	\$1980	\$2093	
48"	\$579	\$687	\$807	\$912	\$1021	\$1130	\$1247	\$1394	\$1504	\$1747	\$1853	\$1958	\$2063	\$2163	\$2289	
54"	\$645	\$765	\$890	\$1002	\$1126	\$1235	\$1406	\$1570	\$1693	\$1923	\$2039	\$2156	\$2277	\$2389	\$2505	
60"	\$684	\$815	\$948	\$1076	\$1203	\$1324	\$1469	\$1689	\$1823	\$2070	\$2194	\$2322	\$2454	\$2575	\$2703	
66"	\$741	\$890	\$1038	\$1185	\$1332	\$1469	\$1624	\$1873	\$2024	\$2299	\$2440	\$2587	\$2735	\$2874	\$3026	
72"	\$788	\$944	\$1099	\$1254	\$1414	\$1557	\$1728	\$1992	\$2151	\$2440	\$2597	\$2751	\$2906	\$3054	\$3209	
78"	\$847	\$1006	\$1181	\$1340	\$1507	\$1663	\$1848	\$2129	\$2297	\$2595	\$2757	\$2925	\$3096	\$3262	\$3425	
84"	\$900	\$1072	\$1259	\$1426	\$1604	\$1770	\$1968	\$2261	\$2440	\$2753	\$2920	\$3088	\$3304	\$3484	\$3655	
90"	\$944	\$1123	\$1313	\$1492	\$1682	\$1865	\$2066	\$2369	\$2560	\$2890	\$3071	\$3251	\$3492	\$3666	\$3848	
96"	\$1006	\$1201	\$1410	\$1604	\$1810	\$2004	\$2229	\$2560	\$2765	\$3119	\$3317	\$3512	\$3775	\$3966	\$4167	

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
	For Models LE47 or LE47A
Prime or Clear Lacquer	1.20
LouverGard Std. Colors†	1.30
Kynar™ Standard Colors (70% Kynar)	1.55
Anodize 204-R1 Etch & Clear .7 Mils	1.40
Anodize 215-R1 Etch & Clear .7 Mils	1.55
Anodize Light, Med. Dk. Bronze or Black, .7 Mils	1.75

OPTIONAL LOUVER SCREENS	
SCREEN TYPE	LIST/SQ. FT.
1/2" .063 aluminum screen	\$4.03
1/2" .047 aluminum screen	\$11.60
1/4" .047 aluminum screen	\$24.31
1/2" .041 galvanized screen	No Add
1/2" .063 galvanized screen	\$4.36
1/4" .041 galvanized screen	\$18.03
1/2" .047 stainless steel (304) screen	\$14.01
1/2" .063 stainless steel (304) screen	\$18.84
Aluminum insect screen	\$4.99
Galvanized insect screen	\$4.99
Stainless steel insect screen	\$8.05
No screen DEDUCT	\$5.47

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

†Available LouverGard colors:  
 Bone White      Santa Fe Red  
 Parchment Yellow      Slate Gray  
 Citation Gold      Brick Red  
 Sierra White      Medium Bronze  
 Alamo Tan      Dark Bronze  
 Squirrel Brown      Coal Black  
 IBM Blue      Charcoal Black  
 Dove Gray      Sandstone  
 Hartford Green      Buckskin  
 Aged Copper      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 LE47A

1. Divide the required CFM by the maximum recommended free area velocity (740 FPM).
2. Select a louver from the free area chart that meets the minimum free area requirements.

EXAMPLE: 6000 CFM air flow

Step #1  
 Min. Free Area =  $\frac{\text{Design CFM}}{\text{Max Recommended Velocity}}$   
 =  $\frac{6000}{740}$  = 8.108 Sq. Ft.

Step #2  
 From the free area table the approximate louver size is 36" W x 72" H (8.49 Sq. Ft.).

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

### 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"	Blades	
12"	\$339	\$376	\$418	\$462	\$504	\$579	\$625	\$727	\$769	1	
18"	\$424	\$474	\$532	\$617	\$687	\$741	\$797	\$940	\$998	2	
24"	\$502	\$559	\$664	\$735	\$807	\$875	\$948	\$1103	\$1169	3	
30"	\$589	\$695	\$780	\$866	\$952	\$1026	\$1108	\$1281	\$1366	4	
36"	\$664	\$793	\$890	\$987	\$1088	\$1173	\$1271	\$1476	\$1570	5	
42"	\$788	\$892	\$1006	\$1108	\$1215	\$1313	\$1430	\$1651	\$1755	6	
48"	\$900	\$1013	\$1146	\$1259	\$1386	\$1500	\$1624	\$1880	\$2000	8	
54"	\$998	\$1123	\$1259	\$1383	\$1526	\$1643	\$1783	\$2101	\$2229	9	
60"	\$1063	\$1208	\$1352	\$1487	\$1639	\$1770	\$1918	\$2264	\$2404	10	
66"	\$1146	\$1293	\$1444	\$1592	\$1755	\$1890	\$2056	\$2424	\$2575	11	
72"	\$1219	\$1374	\$1538	\$1697	\$1873	\$2020	\$2191	\$2583	\$2745	12	
78"	\$1316	\$1480	\$1669	\$1837	\$2028	\$2187	\$2381	\$2796	\$2976	13	
84"	\$1406	\$1582	\$1779	\$1958	\$2159	\$2331	\$2536	\$2971	\$3161	14	
90"	\$1518	\$1705	\$1915	\$2101	\$2322	\$2517	\$2731	\$3201	\$3402	16	
96"	\$1597	\$1795	\$2012	\$2213	\$2442	\$2641	\$2870	\$3364	\$3578	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	\$1130
81640	BCMA-305	24V Actuator	24V	\$1235
81639	BCMA-419	230V Actuator	230V	\$1871
81637	MA6-405	115V Hazardous Location Actuator with Explosion Proof Motor & Linkage (no mtg. brackets included)	115V	\$5584
81645	Chain Actuator	Plated Steel Spring, 5' Chain, Wall Claw	-	\$178
81636	Panel Crank	Manual Hand Crank	-	\$477

SELECT, SPECIFY AND ORDER LE47 (MANUAL) AND LE47A (MOTORIZED OR CHAIN PULL ACTUATOR) \*WIDTH x HEIGHT\*. Transformer for 3 phase available.

NOTES:  
 LE47A Only - Jackshafting 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.

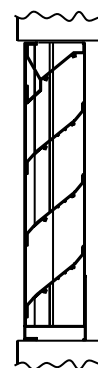


Optional Flange Frame

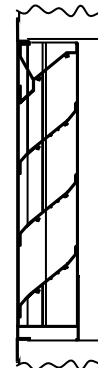


Standard Channel Frame

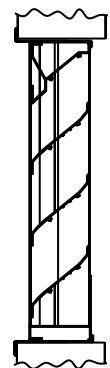
### LE47 and LE47A



CHANNEL FRAME (STANDARD)



FLANGE FRAME (OPTIONAL)



EXTENDED SILL (OPTIONAL)





## MOTOR CONTROLS - DISCONNECT SWITCHES & THERMOSTATS

### THERMOSTATS

EDP No.	CAT. No.	Description	LIST PRICE
89576*	XRA-4	Thermostat (Wall Mt.) 60° to 100° F. range	\$111
24820	T1	Temp. Switch (Wall Mt.) 45° to 85° range	\$206
90783	TS631	Temp. Switch (Attic Mt.) 70° to 140° range	\$195

\*Single Phase for use up to 3/4HP

### H-1 - HUMIDISTAT

EDP No.	LIST PRICE
24880	\$242

20% to 80% RH range

### DISCONNECT SWITCHES DISCONNECT SWITCH ONLY (UNMOUNTED)

EDP No.	MAX HP	VOLTAGE/ PHASE	LIST PRICE
32698	1½	115/1/60	\$26
32699	2	230/1/60	\$107
32699	2	230/3/60	\$107
32699	2	460/3/60	\$107
32700	7½	230/3/60	\$369
32700	10	460/3/60	\$369

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	\$424
32709	2	230/1/60	\$424
32711	7½	230/3/60	\$659
32711	10	460/3/60	\$659

### 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	\$633
32712	2	230/1/60	\$633
32713	7½	230/3/60	\$813
32713	10	460/3/60	\$813

## 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	\$107
32701	2	230/1/60	\$107
32700	7½	230/3/60	\$369
32700	10	460/3/60	\$369

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

EDP No.	MAX HP	VOLTAGE/PHASE	LIST
32702	1½	115/1/60	\$134
32702	2	230/1/60	\$134
32703	2	230/3/60	\$698
32703	2	460/3/60	\$698
32704	7½	230/3/60	\$569
32704	10	460/3/60	\$569

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	\$38
32705	1	115/1/60	\$726
32705	2	230/1/60	\$726
ONE WINDING			
32706	1	230/3/60	\$969
32706	3	460/3/60	\$969
TWO WINDING			
32707	1	230/460/3/60	\$115
32708	3	230/460/3/60	\$1208

## MOTOR CONVERSION KITS

For Motorized Wall Shutters Add Motor Kit From List Below  
(not approved for Hazardous Locations)

### EXHAUST MOTOR KITS †

EDP No.	CAT No.	Description	List Ea.
22930	MK-4620-F	120/240 Volt, for 9" - 36" exhaust shutters	\$307
22935	MK-4620-C	440 Volt, for 9" - 36" exhaust shutters	\$307
22938	MK-4620-E	550 Volt, for 9" - 36" exhaust shutters	\$324
22940	MK-4621-F	120/240 Volt, for 42" - 48" exhaust shutters	\$496
22945	MK-4621-C	440 Volt, for 42" - 48" exhaust shutters	\$496
22948	MK-4621-E	550 Volt, for 42" - 48" exhaust shutters	\$472
22930	MK-4620-F	120/240 Volt, for 54" - 60" exhaust shutters*	\$307
22935	MK-4620-C	440 Volt, for 54" - 60" exhaust shutters*	\$307
22938	MK-4620-E	550 Volt, for 54" - 60" exhaust shutters*	\$324

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

\* 54" requires 2 motor kits (MK-4621)  
and 60" requires 3 motor kits (MK-4620).

† See Page 49 for WRE / WC selection and installation information and cautions.

See Page 47 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	\$159
02686	For WRE 42" - 54" 2 Panel Shutter	\$361
32686	For WRE 60" 3 Panel Shutter	\$483

### SUPPLY MOTOR KITS †

EDP No.	CAT No.	Description	List Ea.
22900	MK-5047-F	120/240 Volt, for 9" - 36" supply shutters	\$307
22905	MK-5047-C	440 Volt, for 9" - 36" supply shutters	\$282
22908	MK-5047-E	550 Volt, for 9" - 36" supply shutters	\$282
22910	MK-4782-F	120/240 Volt, for 42" - 48" supply shutters	\$496
22915	MK-4782-C	440 Volt, for 42" - 48" supply shutters	\$496
22918	MK-4782-E	550 Volt, for 42" - 48" supply shutters	\$473
22900	MK-5047-F	120/240 Volt, for 54" - 60" supply shutters**	\$307
22905	MK-5047-C	440 Volt, for 54" - 60" supply shutters**	\$282
22908	MK-5047-E	550 Volt, for 54" - 60" supply shutters**	\$282

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

\*\* 54" requires 2 Motor Kits (MK-5047) and  
60" requires (1) one MK-5047 plus (1) one MK-4782  
motor kits.

† See Page 49 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.





EDP Number	Catalog Number	Page No.	EDP Number	Catalog Number	Page No.	EDP Number	Catalog Number	Page No.
01518	DJ-CAP-HE	15	20115	M24GBA	1	21130	30HH-1	6
01600	Capacitor	9, 13	20301	24LF16X	4	21152	8CP-2B	1, 6
01633	Cord	6	20321	24LW16X8	4	21153	I-2030B	9, 13
01683	Capacitor	9, 13	20331	24LS16X	4	21165	A-786B-1	1, 6, 13
01723	Switch	6, 9, 13, 15	20341	24L116X	4	21166	A786B-2	1, 6, 9, 13
01750	Guard Pin	15	20351	30LF16X	4	21187	878W	1, 6
02684	Manual Chain Operator	38, 40, 42, 73	20371	30LW16X8	4	21191	700-U	1, 6
02686	Manual Chain Operator	42, 73	20381	30LS16X	4	21203	CK-2	1, 6
03033	Cord Lock	15	20391	30L116X	4	21204	Safety Kit	6, 9, 13, 15, 32
03915	End Dome	6	20840	30HF36	5	21300	18M-1/4	34
06004	End Dome	6	20860	30HW36	5	21301	18MP-1/4	34
06883	WS10	38	20870	30HS36	5	21302	18M-1/4X	34
06884	WS12	38, 39, 42	20880	30HI36	5	21303	18MP-1/4X	34
06885	WS16E	38	20885	UP24BN-S	2	21310	24M-1/4	34
06886	WS18E	38, 39, 42	20890	UP30BN-S	2	21311	24MP-1/4	34
06887	WS24	39, 40, 42, 46, 48	20892	UP18LF16-S	1	21312	24M-1/4X	34
06888	WS30	40, 42, 46, 48	20893	UP20FL6-S	1	21313	24MP-1/4X	34
06889	WS36	40, 42, 46, 48	20894	UP18BN-S	2	21320	24M-1/2	34
06890	WS42	42, 46, 48	20895	UP24LF16-S	1	21321	24MP-1/2	34
06891	WS48	42, 46, 48	20898	UP20BN-S	2	21322	24M-1/2X	34
06892	WS54	48	20899	UP18LW16-S8	1	21323	24MP-1/2X	34
06893	WS60	48	20900	UP30LF16-S	1	21330	24M-1	34
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94211	LE47, 12"W X 84"H	71	94262	LE47, 42"W X 12"H	71	94356	LE47A, 24"W X 18"H	72
94212	LE47, 12"W X 90"H	71	94263	LE47, 42"W X 18"H	71	94361	LE47A, 12"W X 18"H	72
94213	LE47, 12"W X 96"H	71	94264	LE47, 42"W X 24"H	71	94363	LE47A, 18"W X 18"H	72
94214	LE47, 18"W X 12"H	71	94266	LE47, 42"W X 30"H	71	94364	LE47A, 12"W X 36"H	72
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94218	LE47, 18"W X 48"H	71	94276	LE47, 42"W X 60"H	71	94368	LE47A, 12"W X 42"H	72
94219	LE47, 18"W X 54"H	71	94278	LE47, 42"W X 66"H	71	94369	LE47A, 12"W X 48"H	72
94220	LE47, 18"W X 60"H	71	94279	LE47, 42"W X 72"H	71	94370	LE47A, 12"W X 54"H	72
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# SALES REPRESENTATIVES



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 Sales Agency	503.657.9427	503.657.7862
AZ	Electrical / Industrial / HVAC	Venture Sales Inc.	951.278.1377	951.278.1790
AR	Electrical / HVAC	Melton Electrical Sales	501.834.3154	501.834.6042
	Industrial	Belmont Enterprises	713.673.4000	713.673.4242
CA (N)	Electrical / Industrial / HVAC	C-E Sales & Marketing	209.785.9451	209.785.9450
(S)	Electrical / Industrial / HVAC	Venture Sales Inc.	951.278.1377	951.278.1790
CO	Electrical / Industrial / HVAC	Anderson Sales, LLC	970.396.8604	970.330.6083
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	Northcoast Sales Agency	503.657.9427	503.657.7862
	HVAC	TWC Products, LLC	801.381.5625	801.386.5479
IL (N)	Electrical	JLF Electrical Sales Inc.	630.627.1722	630.627.1720
(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	713.673.4000	713.673.4242
Rock Island/Henry Ctys.	Industrial	Belmont Enterprises	713.673.4000	713.673.4242
Rock Island/Henry Ctys.	Electrical	Sharp Sales & Engineering	402.891.0422	402.891.0441
IN	Electrical	Electra Products, Inc.	317.247.5665	317.247.0880
	Industrial	InCon Marketing Group	937.299.8637	888.229.8633
	Automotive	Advantage Marketing Services	888.591.5222	330.562.1056
	HVAC	Contact Factory	517.764.2300	517.764.3838
Lake/Porter Ctys.	Electrical	JLF Electrical Sales Inc.	630.627.1722	630.627.1720
Lake/Porter Ctys.	Industrial	Durrie Sales	630.595.5595	630.595.5858
IA	Electrical / HVAC	Sharp Sales & Engineering	402.891.0422	402.891.0441
	Industrial	Belmont Enterprises	713.673.4000	713.673.4242
KS	Electrical / Industrial / HVAC	Belmont Enterprises	713.673.4000	713.673.4242
KY	Electrical / HVAC	GM Sales, Inc. (Kentucky)	502.412.4181	502.412.4183
	Industrial	InCon Marketing Group	937.299.8637	888.229.8633
	Automotive	Advantage Marketing Services	888.591.5222	330.562.1056
Boone, Kenton, Campbell Ctys.	Electrical / Industrial / HVAC	Curtis Sales Corporation	419.396.6829	419.396.1809
LA	Electrical / Industrial / HVAC	Belmont Enterprises	713.673.4000	713.673.4242
ME	Electrical / Industrial / HVAC	New England Electrical Sales	603.434.6705	603.426.5218
MD	Electrical	Contact Factory	517.764.2300	517.764.3838
	Industrial	Joseph M. Hayden Assoc.	800.541.0768	610.359.1272
MA	Electrical / Industrial / HVAC	New England Electrical Sales	603.434.6705	603.426.5218
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
Western Upper	Electrical	Electrical Solutions Plus	414.321.8509	414.321.8609
MN	Electrical / Industrial / HVAC	Pioneer Sales Group	763.546.6880	763.546.6878



STATE	MARKET	REPRESENTATIVE	PHONE #	FAX #
MS	Electrical / Industrial / HVAC	Belmont Enterprises	713.673.4000	713.673.4242
MO (E)	Electrical / HVAC	Schaeffer Marketing Group	314.894.1100	314.894.2155
	Industrial	Belmont Enterprises	713.673.4000	713.673.4242
	(W) Electrical / Industrial / HVAC	Belmont Enterprises	713.673.4000	713.673.4242
MT	Electrical	GM Sales	206.763.4010	206.763.9109
	Industrial / HVAC	Northcoast Sales Agency	503.657.9427	503.657.7862
NE	Electrical / HVAC	Sharp Sales & Engineering	402.891.0422	402.891.0441
	Industrial	Belmont Enterprises	713.673.4000	713.673.4242
NV	Electrical / Industrial / HVAC	C-E Sales & Marketing	209.785.9451	209.785.9450
(E)	HVAC	TWC Products, LLC	801.381.5625	801.386.5479
	Clark Co. Electrical / Industrial / HVAC	Venture Sales Inc.	951.278.1377	951.278.1790
NH	Electrical / Industrial / HVAC	New England Electrical Sales	603.434.6705	603.426.5218
NJ (N)	Electrical / Industrial / HVAC	N.S. Carr Company	732.539.5771	732.612.1050
	(S) Electrical / HVAC	Trio Sales Agency	215.763.4200	215.763.4332
	Industrial	Joseph M. Hayden Assoc.	800.541.0768	610.359.1272
NM	Electrical / Industrial / HVAC	Belmont Enterprises	713.673.4000	713.673.4242
NY (N)	Automotive	Advantage Marketing Services	888.591.5222	330.562.1056
	Electrical / Industrial / HVAC	Mills Talbot Co.	315.637.0511	315.637.0512
	(S) Electrical / Industrial / HVAC	N.S. Carr Company	732.539.5771	732.612.1050
NC	Electrical / Industrial / HVAC	M. James Bezanson	704.528.3005	704.528.3006
ND	Electrical / Industrial / HVAC	Pioneer Sales Group	763.546.6880	763.546.6878
OH	Electrical / Industrial / HVAC	Curtis Sales Corporation	419.396.6829	419.396.1809
	Automotive	Advantage Marketing Services	888.591.5222	330.562.1056
OK	Electrical / Industrial / HVAC	Belmont Enterprises	713.673.4000	713.673.4242
OR	Electrical	GM Sales	206.763.4010	206.763.9109
	Industrial / HVAC	Northcoast Sales Agency	503.657.9427	503.657.7862
PA (E)	Electrical / HVAC	Trio Sales Agency	215.763.4200	215.763.4332
	Industrial	Joseph M. Hayden Assoc.	800.541.0768	610.359.1272
	(W) Electrical / Industrial / HVAC	Fauth Sales Co.	724.742.9445	724.742.9446
	Automotive	Advantage Marketing Services	888.591.5222	330.562.1056
RI	Electrical / Industrial / HVAC	New England Electrical Sales	603.434.6705	603.426.5218
SC	Electrical / Industrial / HVAC	M. James Bezanson	704.528.3005	704.528.3006
SD	Electrical / Industrial / HVAC	Pioneer Sales Group	763.546.6880	763.546.6878
TN	Electrical / Industrial / HVAC	Suncoast Marketing	727.724.1916	727.724.8206
TX	Electrical / Industrial / HVAC	Belmont Enterprises	713.673.4000	713.673.4242
UT	Electrical / Industrial	Anderson Sales, LLC	970.396.8604	970.330.6083
	HVAC	TWC Products, LLC	801.381.5625	801.386.5479
VT	Electrical / Industrial / HVAC	New England Electrical Sales	603.434.6705	603.426.5218
VA	Electrical / Industrial / HVAC	M. James Bezanson	704.528.3005	704.528.3006
	North. Tip Electrical	Contact Factory	517.764.2300	517.764.3838
	Industrial	Joseph M. Hayden Assoc.	800.541.0768	610.359.1272
WA	Electrical	GM Sales	206.763.4010	206.763.9109
	Industrial / HVAC	Northcoast Sales Agency	503.657.9427	503.657.7862
Wash. DC	Electrical	Contact Factory	517.764.2300	517.764.3838
	Industrial	Joseph M. Hayden Assoc.	800.541.0768	610.359.1272
WV	Electrical / Industrial / HVAC	Fauth Sales Co.	724.742.9445	724.742.9446
	Automotive	Advantage Marketing Services	888.591.5222	330.562.1056
WI (E)	Electrical / Industrial / HVAC	Electrical Solutions Plus	414.321.8509	414.321.8609
	(W) Electrical / Industrial	Pioneer Sales Group	763.546.6880	763.546.6878
WY	Electrical / Industrial	Anderson Sales, LLC	970.396.8604	970.330.6083
	HVAC	TWC Products, LLC	801.381.5625	801.386.5479

Director of Sales and Marketing  
Regional Sales Manager

Mike Pignataro  
Forest Owen

913.402.9170 (Kansas Office)  
517.206.4048 (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.



# Airmaster® FAN COMPANY

# 2010 Catalog & Price Book

Effective January 1, 2010

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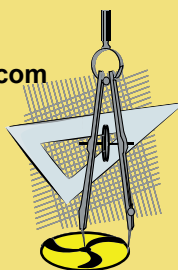
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