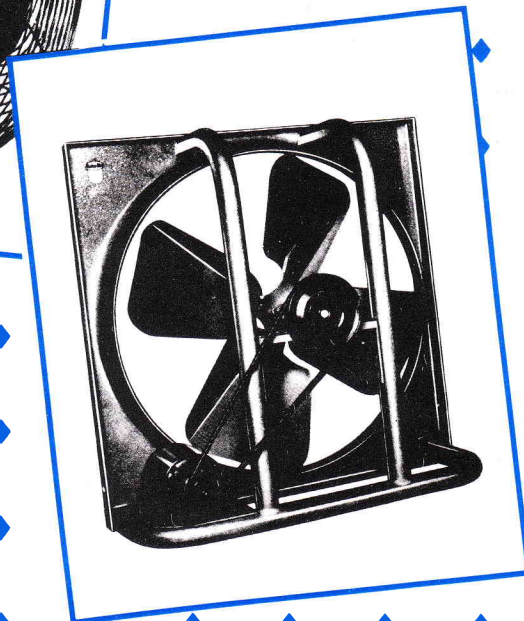
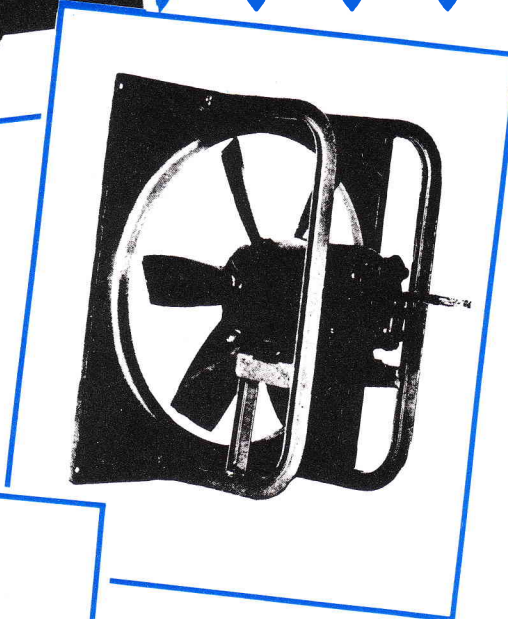
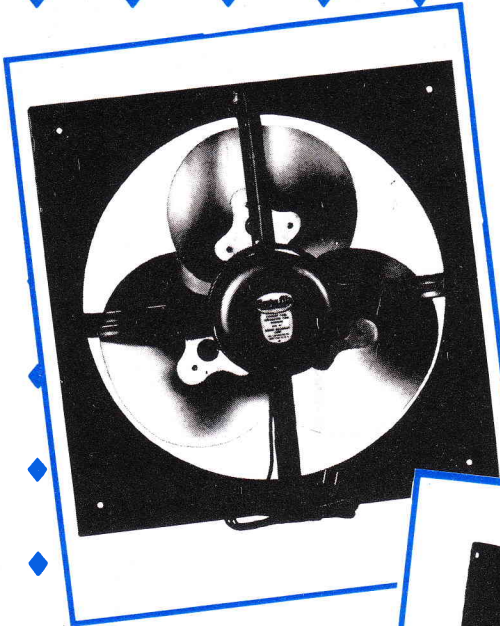


Acorn Air

VENTILATING EQUIPMENT



AXIAL FANS

Exhaust or Supply,
Direct & V-Belt Drive

Catalog 690A

ACORN FAN & MOTOR CORP.

228 Bowery, New York, N.Y. 10012
Tel.: (212) 219-3511 • 219-3512
Fax: (212) 941-9858

All Acorn Fans Include The Following Features

- **High Air Performance**
- **Vibration Free Operation**
- **Motors Are UL Listed**
- **UL Approved Cord**
- **G.E., Westinghouse and Baldor Motors**
- **Venturi Like Openings**
- **Attractive Finish**
- **Welded Steel Frames**
- **Large Selection of Motors, Speeds and Performance**
- **Fully Guaranteed for 1 Year**

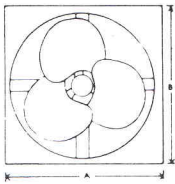
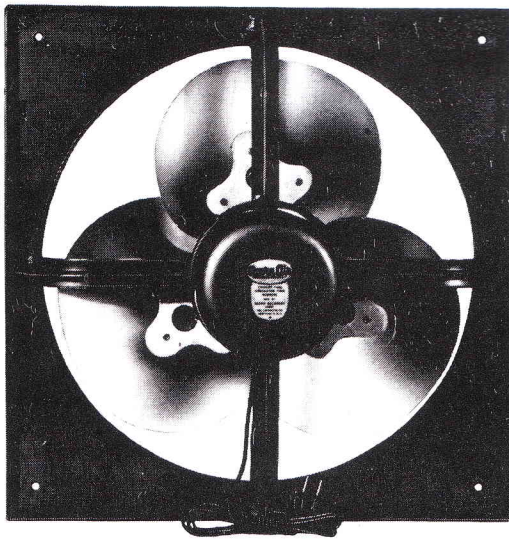
All Acorn Fans Are Available with

- **Rear Safety Guards**
- **Louvres**
- **Corrosion Resistant Finishes**
- **Wall Switches**

Component Parts

The following Component Parts are available for all Acorn Fans:

- **Direct and Belt Drive Fan Blades**
- **Cast Aluminum Fan Blades**
- **Motors**
- **Pillow Blocks**
- **Direct and Belt Drive Frames**
- **Pulleys and Belts**
- **Direct, Belt and Pedestal Fan Guards**
- **Pedestal Fan Adjustable Columns**
- **Pedestal Fan Bases**
- **Cast Aluminum Wall Brackets**



Industrial Standard Economy Quiet Blade Exhaust Fans

Welded Steel Frames • GE Motors • Aluminum Blades

Low cost exhaust fans suitable for small area ventilation. Ideal for use in Restaurants, Laundries, Dining Cars, Offices—anywhere smoke or foul air need to be exhausted with a *minimum* of noise.

Standard Quiet Exhaust Fans—A.C. 110 120V

Fan Accessories—Page 7

Cat. No.	Size Blade	H.P. Motor	No. of Speeds	RPM	CFM RATINGS	Ship. Wgt.
250	8"	1/50	1	1550	425	7
251	10"	1/50	1	1550	550	9
252	12"	1/25	1	1550	1100	12
254	14"	1/15	1	1550	1250	17
256	16"	1/15	1	1550	1400	21

Blade Size	A	B	C
8	10 1/4	10 1/4	7
10	12 1/4	12 1/4	7 1/4
12	14 1/2	14 1/2	8
14	16 1/2	16 1/2	9 1/4
16	19 1/2	19 1/2	10

Heavy Duty Direct Drive Exhaust & Supply Fans

Sleeve Bearings • Open Ball Bearings or Totally Enclosed Motors

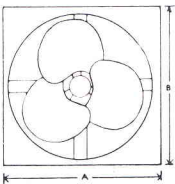
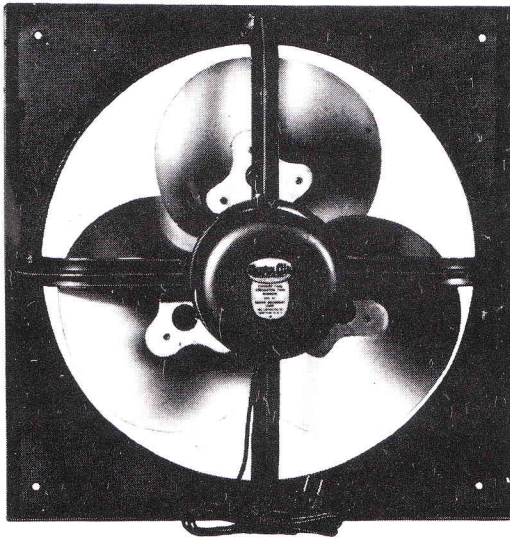
Equipped with GE, or Century motors in one or two speed. Rugged welded steel frames for strength and easy installation. Ideal for Factories, Kitchens—anywhere *large volumes* of air must be moved.

Furnished in an attractive lacquer finish, these units are complete with dynamically balanced aluminum blades, aluminum motor cover and UL approved cord with plug.

Available with sleeve bearing type motors, or open ball bearing¹ motors which require no oiling. Units can be mounted in either vertical or horizontal positions.

Totally enclosed ball bearing motors² include all these features plus, they are ideal for use in areas that are subject to dust, grease or any other unfavorable conditions. To order supply fans, please use prefix "S" (example: S449, S450).

Fan Accessories—Page 7



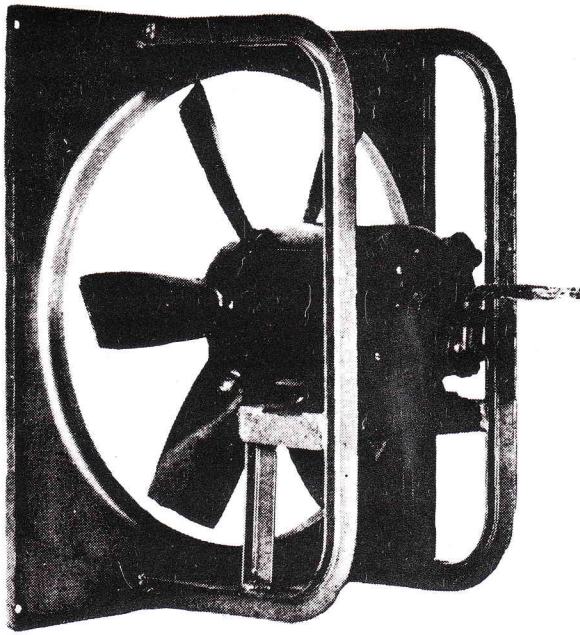
Blade Size	A	B	C
12	14 1/2	14 1/2	9 1/2
14	16 1/2	16 1/2	9 1/4
16	19 1/2	19 1/2	13
18	21 1/2	21 1/2	13
20	24	24	14
24	28 3/8	28 3/8	15 1/4
30	34	34	15

Notes:

- 1 To order Fans with **Open Type Ball Bearings Motors**, add letter "**M**" to Model Number. Example—16" 1700 Open Ball Bearing Fan, Catalog Number 450M.
- 2 To order Fans with **Totally Enclosed Ball Bearing Motors**, add letter "**K**" to Model Number. Example—16" 1700 Totally Enclosed Exhaust Fan, Catalog Number 450K.
- 3 Motors are 1/6 H.P. in Totally Enclosed Type.

CAT. No.	Blade Size	H.P. Motor	No. of Speeds	RPM	Ship. Wgt.	CFM RATINGS		
						0" S.P.	1/4" S.P.	3/8" S.P.
449	12"	1/15	1	1550	18	1200	700	450
443	12"	1/12	1	1725	18	1350	850	650
444	12"	1/20	1	1140	18	800	500	250
445	12"	1/12	2	1725/1140	18	1350/800	850/500	650/250
446	14"	1/12	1	1725	20	1800	1250	900
447	14"	1/20	1	1140	20	1350	1000	700
448	14"	1/12	2	1725/1140	20	1800/1350	1250/1000	900/700
450 ⁽³⁾	16"	1/4	1	1725	30	2550	2250	1800
451	16"	1/6	1	1140	30	2000	1650	1300
452 ⁽³⁾	16"	1/4	2	1725/1140	30	2550/2000	2250/1650	1800/1300
453	18"	1/4	1	1725	35	3250	2800	2400
454	18"	1/6	1	1140	35	2750	2250	1800
455	18"	1/4	2	1725/1140	35	3250/2750	2800/2250	2400/1800
456	20"	1/3	1	1725	45	3750	3150	2700
457	20"	1/6	1	1140	45	3250	2550	2200
458	20"	1/3	2	1725/1140	45	3750/3250	3150/2550	2700/2200
459	24"	1/3	1	1725	50	4500	3850	3150
460	24"	1/6	1	1140	50	4200	3250	2600
461	24"	1/3	2	1725/1140	50	4500/4200	3850/3250	3150/2600
462	24"	1/6	2	1140/860	50	4200/2800	3250/2100	2600/1400
463	30"	1/6	1	1140	60	4700	4250	3800
464	30"	1/4	1	1140	60	5000	4650	4200
465	30"	1/3	1	1140	60	5800	5300	4750
466	30"	1/6	2	1140/860	60	4700/3600	4250/3200	3800/1900

BOX TYPE WALL SWITCH AVAILABLE FOR TWO SPEED FANS



Heavy Duty Direct Drive Exhaust Fans

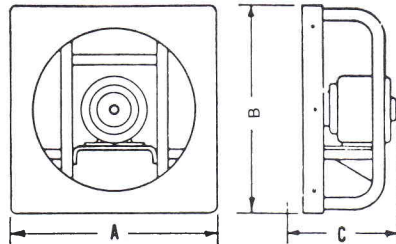
For Hazardous Locations

Equipped with General Electric, Westinghouse or Baldor totally enclosed ball bearing or explosion proof ball bearing motors. Heavy duty cast aluminum blades in either 4 or 6 blades. Heavy duty steel frames with structural angle iron support.

For use in hazardous locations such as paint spraying, chemical and vapor fume exhaust.

Fan Accessories—Page 7

4 Blade Type



Dimensions

Blade Size	A	B	C *
12	14 1/2	14 1/2	9 1/2
14	16 1/2	16 1/2	9 1/2
16	19 1/2	19 1/2	10 1/2
18	21 1/2	21 1/2	11
20	24	24	12
24	30	30	16
30	36	36	18
36	42	42	20
42	48	48	24
48	54	54	26

*May vary depending upon motor length.

Notes:

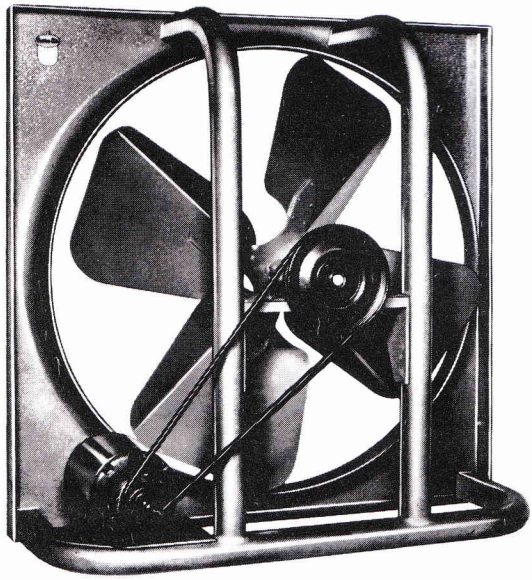
Units are available with either Explosion Proof (XP) or Totally Enclosed (T) Motors.

- 1 To order Fans with **Explosion Proof Motors**, add letter "X" to Model Number. Example—16" 658X, 16" Fan with Explosion Proof motor.
- 2 To order Fans with **Totally Enclosed Motors**, add letter "T" to Model Number. Example—16" 658T, 16" Fan with Totally Enclosed motor.

CAT. NO.	BLADE SIZE	H.P. MOTOR	R.P.M.	C.F.M. RATING				
				0" S.P.	1/4" S.P.	1/2" S.P.	3/4" S.P.	1" S.P.
658	12"	1/2	3450	1900	1700	1400	1000	
659	12"	1/12	1725	1100	500			
660	14"	1/12	1725	1200	600			
661	16"	1/4	1725	2200	1400			
662	16"	1/6	1140	1450	900			
663	18"	1/3	1725	3400	2500			
664	18"	1/6	1140	2200	1650			
665	20"	1/2	1725	4800	3700	2300		
666	20"	1/4	1140	3100	1800			
667	24"	3/4	1725	6500	5200	3100		
668	24"	1/3	1140	4000	1950			
669	30"	1	1725	10900	9150	6800	3600	1000
670	30"	1/2	1140	8000	4800			
671	36"	3	1725	16800	14200	11400	7400	4300
672	36"	1	1140	12000	8800	4700		
673	42"	2	1140	20900	18600	14800	9400	4300
674	48"	3	1140	28600	23800	18200	11800	5600

6 Blade Type

CAT. NO.	BLADE SIZE	H.P. MOTOR	R.P.M.	C.F.M. RATING				
				0" S.P.	1/4" S.P.	1/2" S.P.	3/4" S.P.	1" S.P.
858	12"	3/4	3450	2600	2300	2100	1800	
859	12"	1/12	1700	1250	600			
860	14"	1/6	1700	1500	900	600		
861	16"	1/4	1700	2800	2000	800		
862	16"	1/6	1140	1850	1300	400		
863	18"	1/3	1700	3950	3050	1100		
864	18"	1/6	1140	2650	1950	800		
865	20"	3/4	1700	5700	4250	2500		
866	20"	1/4	1140	3600	2600	1100		
867	24"	1	1700	8250	7200	5800	3820	1200
868	24"	1/3	1140	5300	3300	1350		
869	30"	2	1700	12800	10550	8700	6500	3600
870	30"	3/4	1140	8800	5800	3350		
871	36"	5	1700	23000	20100	17600	15000	13200
872	36"	1 1/2	1140	16500	13000	7900		



Venturi Type Frame

Venturi Industrial Belt Driven Exhaust & Supply Fans

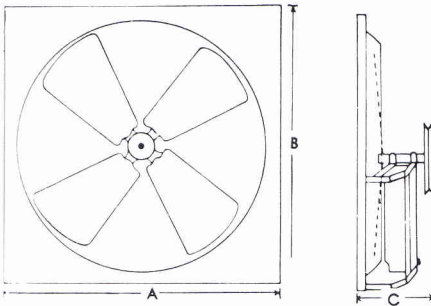
1 & 2 Speed • Quiet Balanced Propellers • Steel Frames

Equipped with General Electric, Century or Baldor ball bearing motors and ball bearing pillow blocks.

Used in applications for comfort cooling or ventilation where large volumes of air is to be exhausted with a minimum of noise. The chassis is made of heavy automobile body steel with deep forming and wide flanges to give rigidity. The belt drive is engineered for a 50% overload to give maximum belt life. Compact construction eliminates costly installation. Furnished in attractive two-tone color combination.

To order Supply Fans, please use Prefix "S" (Example S2425, S3633).

All units are suitable for either **vertical** or **horizontal** mounting.
Fan Accessories—Page 7



Dimensions

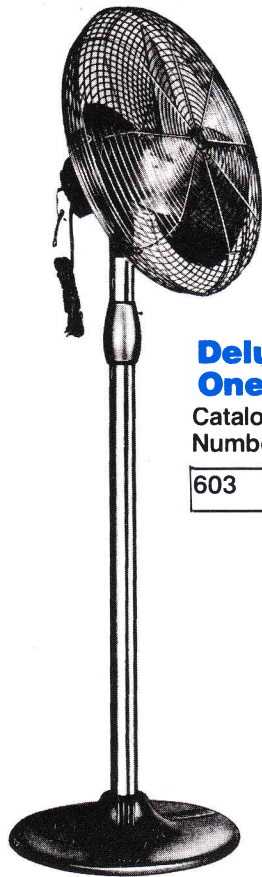
Blade Size	A	B	C
24	30	30	16
30	36	36	15½
36	42	42	15½
42	48	48	20
48	54	54	26
54	60	60	28½
60	66	66	28½

Notes:

Units are available with either **Explosion Proof (XP)** or **Totally Enclosed (T)** Motors. Call for pricing.

- To order Fans with **Explosion Proof Motors**, add letter "X" to Model Number. Example—24" 2425X, 24" Fan with Explosion Proof motor.
- To order Fans with **Totally Enclosed Motors**, add letter "T" to Model Number. Example—24" 2425T, 24" Fan with Totally Enclosed motor.
- Fans are shipped for **vertical position use**. Please specify if **horizontal position use** is required.
- Two speed fans in single or three phase furnished with box type switch.

CAT. No.	BLADE SIZE	H.P. MOTOR	NO. OF SPEEDS	R.P.M.	CAPACITIES			SHIPPING WEIGHT
					0" S.P.	1/8" S.P.	1/4" S.P.	
2425	24"	1/4	1	600	5500	—	—	65
2425R	24"	1/4	2	600/380	5500/3700	—	—	65
2433	24"	1/3	1	660	6000	4800	—	65
2433R	24"	1/3	2	660/410	6000/3900	—	—	65
2450	24"	1/2	1	780	6700	5800	4600	70
2450R	24"	1/2	2	780/520	6700/4450	—	—	70
3025	30"	1/4	1	420	7100	—	—	75
3025R	30"	1/4	2	420/260	7100/4750	—	—	75
3033	30"	1/3	1	450	7900	6100	—	75
3033R	30"	1/3	2	450/280	7900/5200	—	—	75
3050	30"	1/2	1	520	9200	7500	5200	80
3050R	30"	1/2	2	520/340	9200/6000	—	—	80
3075	30"	3/4	1	600	10500	9000	7100	80
3075R	30"	3/4	2	600/380	10500/7000	—	—	80
3633	36"	1/3	1	340	10000	7300	—	85
3633R	36"	1/3	2	340/200	10000/6500	—	—	85
3650	36"	1/2	1	380	11500	9000	—	90
3650R	36"	1/2	2	380/240	11500/7300	—	—	90
3675	36"	3/4	1	420	13550	11000	8200	90
3675R	36"	3/4	2	420/270	13550/8000	—	—	90
3601	36"	1	1	470	15200	12500	9500	100
4233	42"	1/3	1	300	13000	—	—	100
4233R	42"	1/3	2	300/180	13000/8300	—	—	100
4250	42"	1/2	1	340	15100	—	—	110
4250R	42"	1/2	2	340/230	15100/9900	—	—	110
4275	42"	3/4	1	390	17000	14100	—	110
4275R	42"	3/4	2	390/280	17000/12500	—	—	110
4201	42"	1	1	440	18200	15100	11500	120
4215	42"	1½	1	500	20500	—	—	125
4850	48"	1/2	1	270	16600	—	—	170
4850R	48"	1/2	2	270/150	16600/11300	—	—	170
4875	48"	3/4	1	320	19000	15500	—	180
4875R	48"	3/4	2	320/200	19000/14000	—	—	180
4801	48"	1	1	350	22000	18500	13000	200
4815	48"	1½	1	400	25000	22000	17100	205
4802	48"	2	1	430	27000	24300	20500	215
5475	54"	3/4	1	260	23000	—	—	240
5475R	54"	3/4	2	260/120	23000/15000	—	—	240
5401	54"	1	1	280	26000	20500	16200	250
5415	54"	1½	1	320	32000	25000	17500	250
5402	54"	2	1	360	29000	27600	21100	260
6001	60"	1	1	240	33500	25100	22000	260
6015	60"	1½	1	270	37000	28000	23000	265
6002	60"	2	1	300	42500	32200	25200	270
6003	60"	3	1	340	45000	38300	31000	280



Circulating Fans

One Speed & Two Speed

Chrome Finish • Quiet Balanced Propellers • 1 & 2 Speed

OSHA Approved Safety Guard • Adjustable Column • Wall Brackets

These attractive adjustable stem floor fans feature a polished aluminum propeller. Designed for maximum circulation of air at the lowest operating cost, fans are complete with brown base.

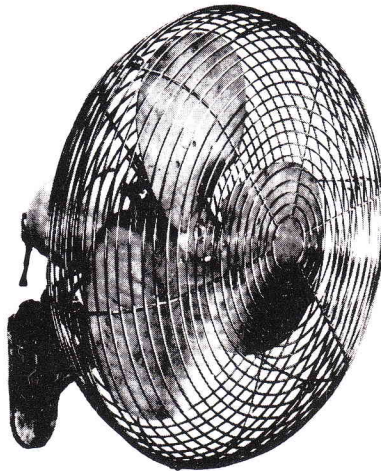
Deluxe Circulating Fans One Speed

Catalog Number	Blade Size	H.P. Motor	R.P.M.	C.F.M. Rating
603	24"	1/3	1725	6200

Two Speed

Catalog Number	Blade Size	H.P. Motor	R.P.M.	C.F.M. Rating
605	24"	1/4	1140/860	6000/5000
608	30"	1/4	1140/860	6500/5000

Deluxe Wall Bracket Fans



One Speed

Catalog Number	Blade Size	H.P. Motor	R.P.M.	C.F.M. Rating
803	24"	1/3	1725	6200

Two Speed

Catalog Number	Blade Size	H.P. Motor	R.P.M.	C.F.M. Rating
805	24"	1/4	1140/860	6000/5000
808	30"	1/4	1140/860	6500/5000

Dimensions

Length Width Height

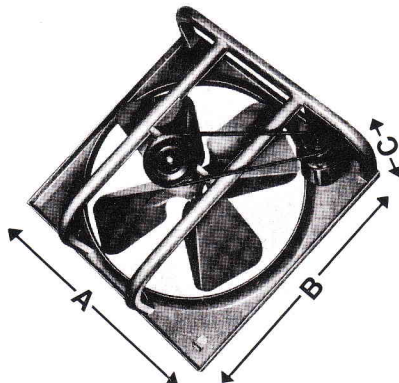
Blade Size	A	B	C
24	30	30	16
30	36	36	15 1/2
36	42	42	15 1/2
42	48	48	20

Lay Down Ranch Type Attic Fans

One Speed & Two Speed with Ball Bearing Motors

These ruggedly constructed fans feature belt drive with all steel frame. Installation is quick and simple with quiet operation. Compact unit is perfect for lay down installations in ranch type homes. Designed to move large volumes of air with a direct pull from all rooms.

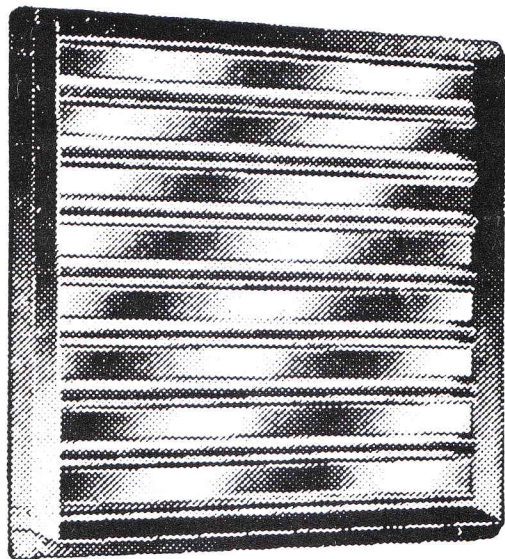
If a vertical type installation is desired, use belt drive fans listed on page 5.



CAT. No.	Blade Size	H.P. Motor	No. of Speeds*	Shipping Weight	RPM	C.F.M. RATING
275	24"	1/4	1	65	600	5500
275R	24"	1/4	2	65	600/380	5500/3700
276	30"	1/4	1	75	420	7100
276R	30"	1/4	2	75	420/260	7100/4750
277	36"	1/3	1	85	340	10000
277R	36"	1/3	2	85	340/200	10000/6500
278	42"	1/3	1	100	300	13000
278R	42"	1/3	2	100	300/180	13000/8300

*Two speed fans equipped with separate box type wall switch.

Heavy Duty Counter Balanced Automatic Shutters



Features—

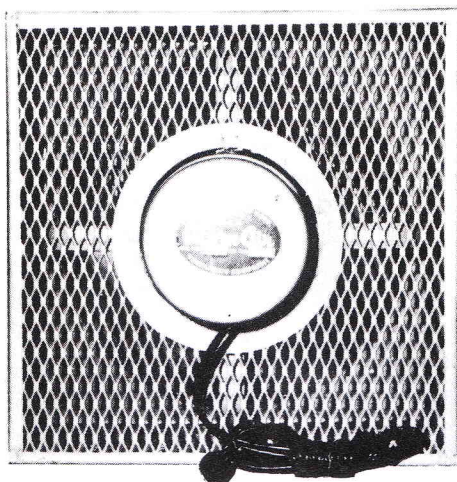
- Aluminum Louvers open quickly upon fan operation.
- Full 2-3/8" shroud provides protection from winds while strengthening frame.
- Tie rod and bearings placed inside of louvers protecting shutter from elements.
- Felt strip clinched louver edges prevent noise when closing.
- Corrosion resistant laboratory tested coating.
- Splash proof weather-stripping welded to all four sides of frame.
- Counter balanced to reduce motor load.
- Available in all popular sizes—8-30" in single panel design.
- Available in all popular sizes—36-60" in double panel design.

Heavy Duty Reinforced Shutters

Size	Catalog Number	O.D.	Size	Catalog Number	O.D.
8"	101	11-3/16	24"	108	27-3/16
10"	102	13-3/16	30"	109	33-3/16
12"	103	15-3/16	36"	110	39-5/16
14"	104	17-1/4	42"	111	45-5/16
16"	105	19-3/16	48"	112	51-1/4
18"	106	21-5/16	54"	113	57-3/8
20"	107	23-7/16	60"	114	63-1/4

Motorized Shutters in 115V or 230V are available upon request.

Direct & Belt Drive/Fan Guards



Guards are made of heavy duty expanded metal and comply with OSHA requirements. They are available for the following size fans: 12", 14", 16", 18", 20", 24", 30" & 36"

Acorn Guaranteed Quality

One Year Guarantee

Acorn Air electric fans are guaranteed to the original purchaser against electrical or mechanical defects, not to exceed one (1) year from date of manufacture. If any fan proves defective it will be repaired or replaced at our option, without charge, when returned to the factory transportation charges prepaid. This guarantee is null and void should any motor be installed without adequate overload protection.

This guarantee does not apply if repairs are made or attempted outside of the factory by other than authorized agents. Fans or parts will not be considered defective when damage is due to accident, neglect of lubrication, operation on current other than shown on nameplate, improper installation or other abuses. Fan finishes are not guaranteed against deterioration.

Fans may not be returned for credit when shipment has been made on a bonafide order. Should any fan prove defective, it will be repaired or replaced under our guarantee after securing shipping instructions.

Claims for imperfections, differences or shortages must be made within five (5) days. Claims for loss or breakage should be made to transportation company delivering goods. Acorn Air holds receipts showing goods accepted for shipment in good order.

