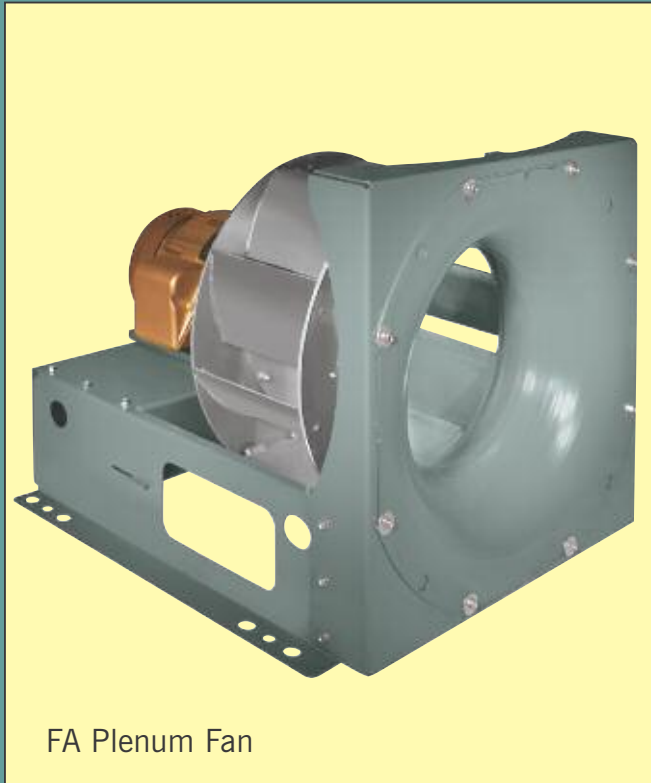
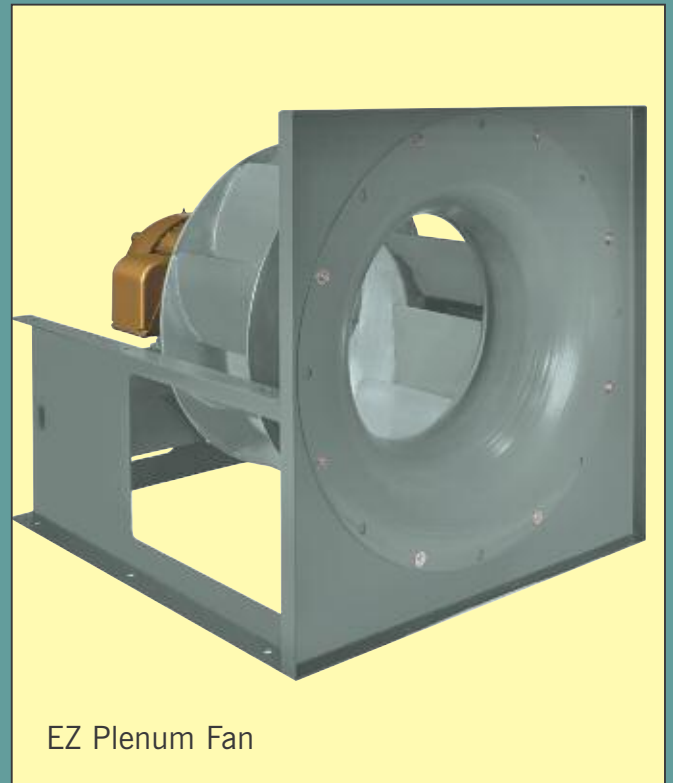


# FA/EZ PLENUM FANS

- Capacities to 35,000 CFM
- Four wheel choices
- Static pressures to 13"WG
- Direct-Drive



FA Plenum Fan



EZ Plenum Fan

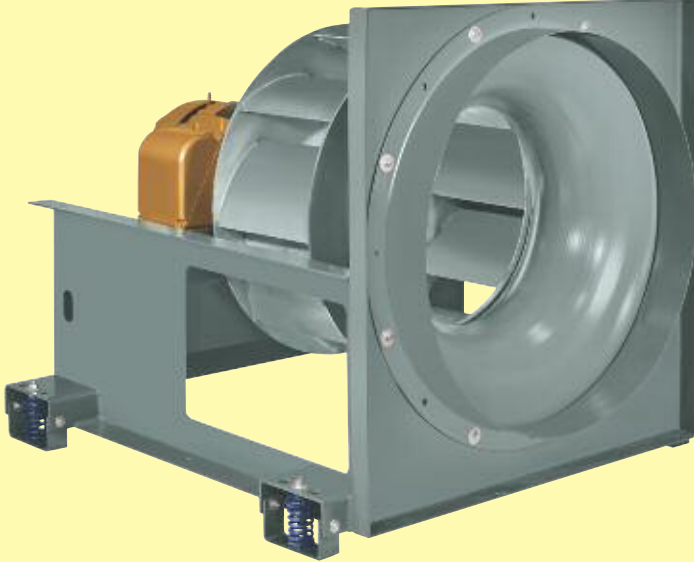


THE NEW YORK BLOWER COMPANY  
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Phone: (800) 208-7918 Email: [nyb@nyb.com](mailto:nyb@nyb.com)

# PLENUM FANS

Size 24, Arrangement 4V EZ Plenum Fan with optional spring isolation, inlet collar and motor.



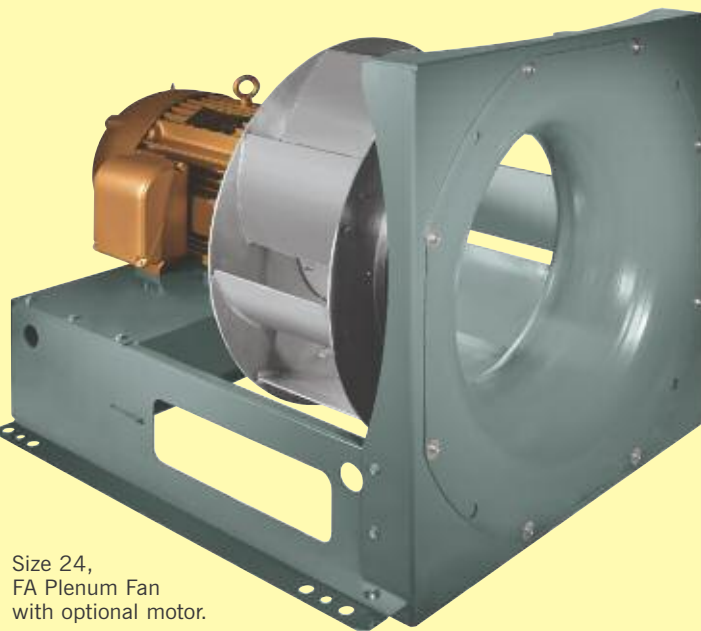
New York Blower's FA & EZ Plenum Fans are designed specifically for application in pressurized plenums found in industrial and commercial air-handling systems. The unoused, compact configuration combined with the choice of four airfoil wheel designs provides the utmost in quiet and efficient operation.

## DESIGN FEATURES

- Capacities to 35,000 CFM.
- Pressures to 13" WG.
- EZ Plenum Fans- Direct Drive ECF and AcF wheels  
Commercial and industrial applications.  
Sizes 10"-36".  
Class 2 and 3 performance.  
Horizontal and 3 vertical arrangements.
- FA Plenum Fans- Direct Drive ECF wheels  
Commercial applications.  
Sizes 10"-36".  
Class 2 performance.  
Horizontal arrangement.
- Designed and tested for use with variable frequency drives to minimize natural frequencies in the operating range.
- Temperatures to 120°F.

## CONSTRUCTION FEATURES

- EZ Plenum fans- Steel and Aluminum wheels.
- FA Plenum fans- Aluminum wheels.
- Wheels are dynamically balanced to G6.3 and ANSI S2.19 specifications. Fans are trim balanced to BV-3 AMCA/ANSI 204-05 standards at the specified operating speed.

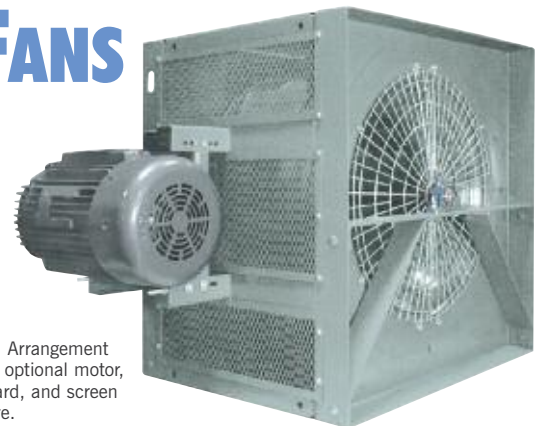


Size 24,  
FA Plenum Fan  
with optional motor.

## FULL RANGE OF PLENUM FANS

In addition to the EZ and FA direct-drive plenum fans, New York Blower offers a complete line of belt and direct-drive plenum fans with numerous accessories and options. Request Bulletin 211.

- Capacities to 180,000 CFM
- Pressures to 13" WG
- Arrangements: 1, 3, 3V, 3R, 3L, 3T and 4
- Sizes to 73" wheel diameters
- ECF and AcF wheel options



Size 36, Arrangement  
3R with optional motor,  
inlet guard, and screen  
enclosure.

# CHOICE OF FOUR WHEEL DESIGNS

After years of air performance and acoustical research testing, New York Blower's airfoil technology has been taken to the next level. By offering four different airfoil wheel designs, each with unique performance and sound characteristics, system designers are able to seamlessly select the fan that best matches design requirements for optimal efficiency and low sound levels.



Typical AcF and ECF-9 Wheel



Typical AcFq and ECF-11 Wheel

FA Plenum fans feature aluminum ECF wheels. EZ Plenum fans feature steel and aluminum AcF and ECF Wheels.



The New York Blower Company certifies that size 10-36 FA Plenum Fans with ECF-8/9/11 wheels, size 10-33 FA Plenum Fans with ECF-8/9/11 wheels in a fan cube and size 10-36 EZ Plenum Fans with ECF-8/9/11 wheels shown herein are licensed to bear the AMCA Seal. The ratings are based on tests and procedures performed in accordance with AMCA Publications 211 and 311 and comply with the requirements of the AMCA Certified Ratings Program. AMCA-licensed air and sound performance can be found in New York Blower's Electronic Catalog. For the latest AMCA approved version and date, go to [www.amca.org](http://www.amca.org), click on the "Certified Product Search" button, and look for the The New York Blower Company.

## AIRFOIL BENEFITS

### STABLE PERFORMANCE

Completely stable pressure curve from wide-open to closed-off...ideal for variable air volume systems.

### NON-OVERLOADING

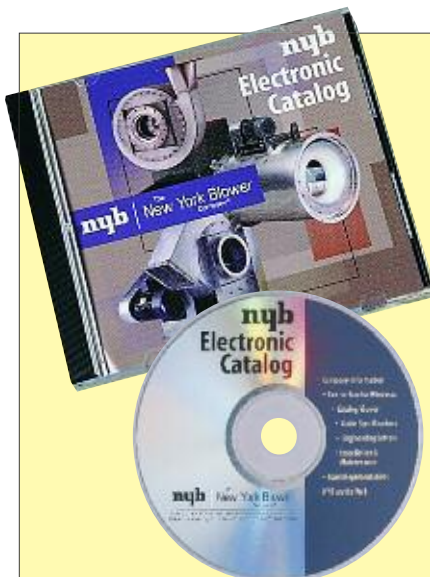
Horsepower reaches a peak and then decreases as flow increases...allows calculation of the maximum brake horsepower required for motor selection.

### SUPERIOR EFFICIENCY

Four selections to choose from with unique efficiency characteristics to better match system design requirements.

### LOWER SOUND LEVELS

Each design has been "acoustically tuned" to reduce sound power levels and provide flatter overall sound profiles while minimizing blade-pass frequency.



## ELECTRONIC CATALOG

A complete New York Blower Catalog on one CD. No more manual calculations and bulky product catalogs. A critical tool for all system-designers and engineers who select and specify air-moving equipment.

### SELECTION BENEFITS

- Fast, accurate fan selection.
- Automatic altitude, temperature, and density corrections.
- Sound levels by octave band.
- Fan-performance curves.
- Multiple model and size choices.
- Metric or English units.

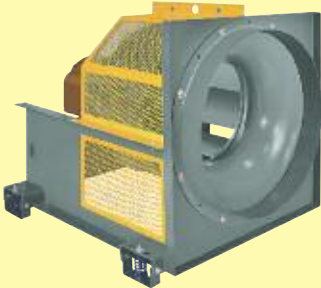
### CATALOG CONTENTS

- Fan-selection program.
- Complete product catalog in PDF including drawings, dimensions, and design specifications.
- Sample guide specifications.
- New York Blower Engineering Letters.
- Installation and Maintenance Manuals.
- Listing of New York Blower representatives.

To obtain your copy of New York Blower's Electronic Catalog contact your local New York Blower representative or go to [www.nyb.com](http://www.nyb.com) and click on *Selection Software*.

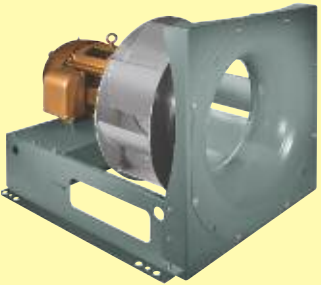
# ARRANGEMENT FLEXIBILITY

## EZ ARRANGEMENT **4**



For the widest range of performance with full Class 2 and 3 speeds. Robust chassis design for demanding industrial and commercial applications. Steel wheels as standard (Sizes 16-36) aluminum wheels optional. Shown with wheel enclosure, spring isolation and inlet collar. See page 8.

## FA ARRANGEMENT **4**



Focused on the requirements of the air handler market with full class 2 speeds. Extremely compact design for reduced cabinet cost. Baked powder-coat finish – green as standard ... other colors available. Aluminum wheels as standard. See page 7.

## EZ ARRANGEMENT **4V**



Three vertical direct-drive designs for up or down air flow applications. Available with legs and rollers (as shown) or flanged and unflanged mounting. A variety of isolation is available. See pages 9-11.

## FA FAN ARRAY



Ideal for retrofit/replacement applications or where redundancy is critical. Fan cubes are double walled, galvanized sheet metal with solid or perforated internal walls. Available fully assembled with fan or knocked-down for field assembly. Sizes 10-36.

# ACCESSORIES AND MODIFICATIONS

## 1. AIR TRACKER 6000

An accurate, cost effective system for measuring fan air flow with no impact on fan performance. Integral cone-mounted piezometer ring installed and piped at the factory. Optional micro-processor based LED display available. Can be integrated with building management systems.



## 2. INLET GUARD

Heavy-gauge wire inlet guard covers complete inlet area.

## 3. INLET COLLAR

Rolled-steel collar provides surface to attach flexible connector from ductwork or bulkhead.

## 4. INTERNAL INLET-VANE DAMPER

Compact damper/cone assembly provides control for systems that require dampering of airflow. Available on EZ Plenum Fans Sizes 16" and larger.

## 5. ISOLATION

Rubber-in-shear and spring isolators selected for each fan/motor weight for optimal performance.

## 6. FAN ARRAY

FA Plenum fans, sizes 10" - 36", available in fan cubes. Ideal for retrofit and system redundancy. Completely assembled or knocked-down for field assembly.

## 7. PARTIAL WIDTH WHEELS

Optimum flexibility to maximize efficiency and meet specific application requirements. The widths are calculated automatically with New York Blower selection software in 1% increments.

## 8. SCREEN ENCLOSURE

Expanded sheet metal welded to steel frame encloses the entire wheel assembly. Panels are removable.

## 9. MOTORS AND DRIVES

A wide array of EISA motors available factory-mounted. Motors available with shaft grounding protection.

## SAFETY EQUIPMENT

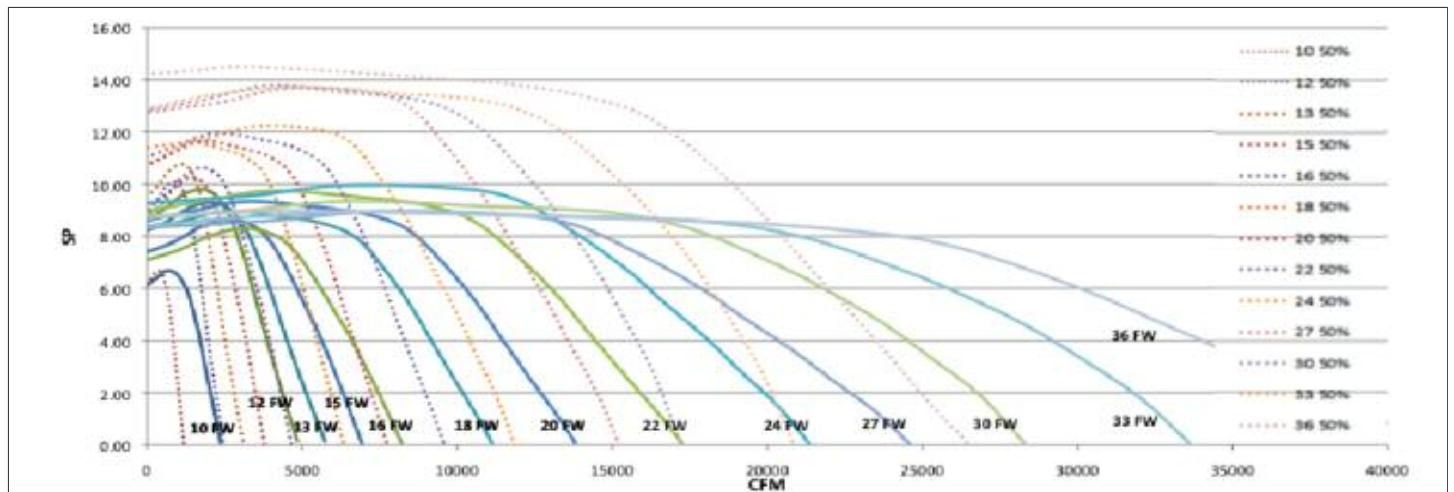
Safety accessories are available from New York Blower, but selection of the appropriate devices is the responsibility of the system-designer who is familiar with the particular installation, or application, and can provide for guards for all exposed moving parts as well as protection from access to high-velocity airstreams. Neither New York Blower nor its sales representatives is in a position to make such a determination. Users and/or installers should read "Recommended Safety Practices for Air Moving Devices" as published by the Air Movement and Control Association, Arlington Heights, Illinois.

# DIRECT-DRIVE PLENUM FANS WITH VFD CONTROL

With the development of less costly and more reliable variable frequency drives (VFDs), and greater acceptance in the industry, direct-drive plenum fans with VFD controls are often the design choice for single fans or fan arrays. VFDs allow operation at non-synchronous motor speeds permitting fan selection at exact points of system flow and pressure. However, in some “turn-down” selections, the motor’s synchronous speed may exceed the fan’s maximum safe speed. In these cases, care must be taken to ensure that the fan does not operate in the full by-pass mode. The table provides maximum safe speeds of full width fans. Maximum safe speeds increase with the selection of narrow-width wheels for reduced flow or higher pressure applications. New York Blower’s selection software (MVP) automatically calculates the final maximum safe speed at the selected width and operating temperature. Using MVP to calculate and plot fan performance, the system designer can often improve fan efficiency, motor VFD speed requirements, and select the fan at the optimum point on the pressure curve.

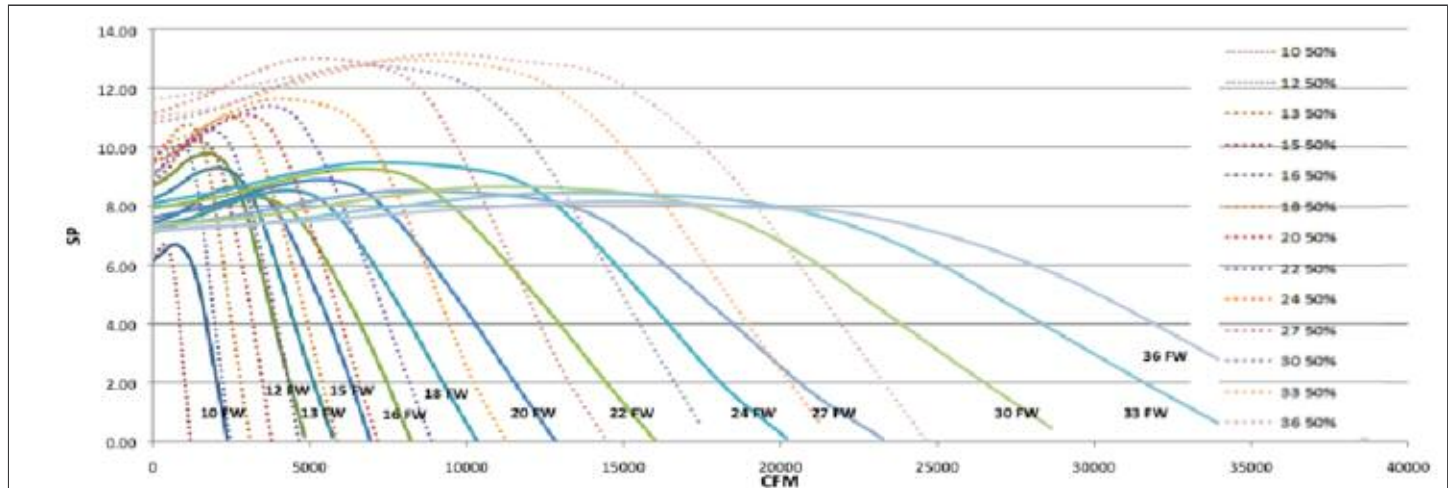
Plenum Fan Full Width Wheel Max Operating Speeds in RPM @ 70°				
Size	AcF and AcFq		EcF-8/9 and EcF-11	
	Class 2	Class 3	Class 2	Class 3
10	4900	—	4800	—
12	4900	—	4730	—
13	4330	—	4180	—
15	3800	—	3670	—
16	3385	4100	3270	3960
18	3005	3790	2900	3660
20	2780	3510	2685	3390
22	2570	3240	2480	3130
24	2335	2940	2255	2840
27	2010	2530	1940	2440
30	1805	2275	1770	2195
33	1650	2080	1590	2010
36	1450	1825	1400	1770

## EZ PLENUM FAN PERFORMANCE RANGES FOR ECF WHEELS AT MAX SAFE SPEED



Solid curves are for Class 2/3, full-width ECF 8/9 fans at maximum safe speed at 70°F.  
Dotted curves are for Class 2/3, 50% narrow-width ECF 8/9 fans at maximum safe speed at 70°F.

## FA PLENUM FAN PERFORMANCE RANGES FOR ECF WHEELS AT MAX SAFE SPEED



Solid curves are for full-width ECF 8/9 fans at maximum safe speed at 70°F.  
Dotted curves are for 50% narrow-width ECF 8/9 fans at maximum safe speed at 70°F.

# FAN CONTROL WITH VARIABLE FREQUENCY DRIVES

Variable frequency drives (VFD's) are becoming more common as fans are increasingly being specified and selected for direct drive applications. The characteristics of each component must be taken into consideration when designing a fan system that incorporates a direct drive motor accompanied by a VFD. For instance, as outlined in the below set of equations, fan horsepower is influenced by the speed of the fan cubed, whereas torque is influenced by the speed of the fan squared:

$$BHP_{NEW} = (RPM_{NEW} / RPM_{ORIGINAL})^3 \times BHP_{ORIGINAL}$$

$$T_{NEW} = (RPM_{NEW} / RPM_{ORIGINAL})^2 \times T_{ORIGINAL}$$

However, the horsepower output of the motor is influenced directly with respect to motor speed, but remains constant when it reaches the design speed:

$$BHP_{MOTOR} = (T \times RPM) / 5250, \text{ if } RPM \leq RPM_{RATED, MOTOR}$$

$$BHP_{MAX, MOTOR} = (T_{MAX} \times RPM_{RATED, MOTOR}) / 5250,$$

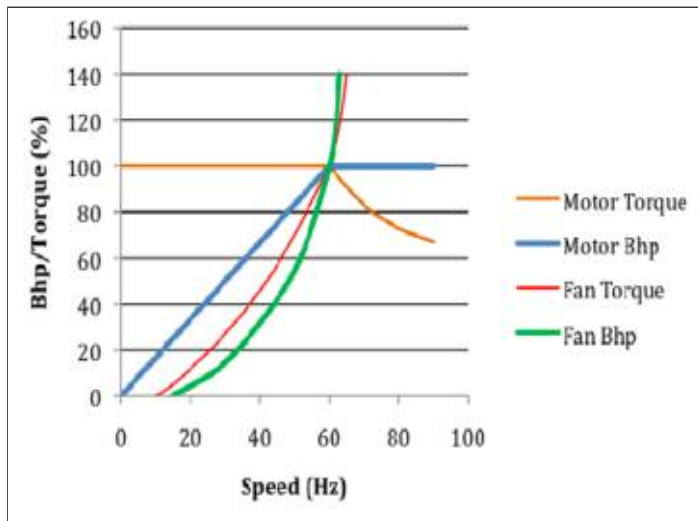
if  $RPM > RPM_{RATED, MOTOR}$

Conversely, the torque output of the motor is constant until the design speed is reached; thereafter the torque is reduced in direct proportion relative to motor speed:

$$T_{ACTUAL} = T_{RATED, MOTOR}, \text{ if } RPM_{ACTUAL} \leq RPM_{RATED, MOTOR}$$

$$T_{ACTUAL} = (5250 \times BHP_{MAX, ELEC. MOTOR}) / RPM_{ACTUAL},$$

if  $RPM_{ACTUAL} > RPM_{RATED, MOTOR}$



The figure below illustrates the relationship between the fan's horsepower and torque requirements compared to the operational horsepower and torque limitations of the motor. The motor must be able to meet the performance requirements of the fan throughout its performance range.

Specific limitations apply to the individual components of these systems. Most importantly, the fans are designed to run no higher than their maximum safe speed. The motor also has mechanical speed limitations, as well as electrical limitations.

As a practical matter, when a fan system is "turned down" the horsepower required to operate the fan decreases at a greater rate than the horsepower generation of the motor. The torque required to operate the fan also decreases, while the motor's torque remains constant. When a fan system is "sped up" the motor horsepower and torque increase until it reaches its design speed. Beyond that point the horsepower and torque required to operate the fan may exceed the limitations of the motor unless the motor is originally sized for maximum speed up conditions.

## Example:

A system is controlled by a building management system that varies the volume of air delivered based on building load. The "peak load" point of operation is 18,000 CFM at 7.0" WG while the "part load" point of operation is 12,000 CFM at 3.2" WG.

Using MVP, first select a fan/motor that will meet the "peak load" requirement. A Size 30 ECF-9 in Class 2 operating at 26.2 BHP and 1688 RPM is selected. The motor selected will be ... 30HP at the synchronous speed of 1800 RPM.

Next, the design is checked using the "part load" conditions and the same Size 30 fan. At "part load" the fan requires 7.96 BHP at 1135 RPM. This is a good point on the operating curve and is a reasonable turn down.

Finally we compare the fan's maximum safe speed (MSS) with the operating speed of the motor. A Size 30 ECF-9, Class 2 has a MSS of 1770 RPM. The nominal speed of a 30HP 1800 RPM motor is approximately 1770 RPM as well. A simple by-pass in the VFD may be used if necessary.

## FA/EZ Full-Width Aluminum Wheels with Steel Hubs

Size	EcF-8/9 Wheel				EcF-11 Wheel			
	Weight		WR <sup>2</sup>		Weight		WR <sup>2</sup>	
	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3
10	5	-	1	-	-	-	-	-
12	11	-	1	-	-	-	-	-
13	14	-	2	-	-	-	-	-
15	15	-	3	-	-	-	-	-
16	16	19	4	5	-	21	-	5
18	19	23	6	8	21	25	6	9
20	22	26	8	11	24	29	9	12
22	26	31	12	17	29	34	14	19
24	56	62	25	32	59	66	27	35
27	61	67	34	43	65	71	38	47
30	71	78	52	64	76	82	58	70
33	81	89	76	91	88	94	85	100
36	98	108	119	144	107	114	133	158

WR<sup>2</sup> in lb-ft<sup>2</sup>. Weights in lbs. FA Plenum Fans are Class 2 only. EZ Plenum Fans are Class 2 and 3.

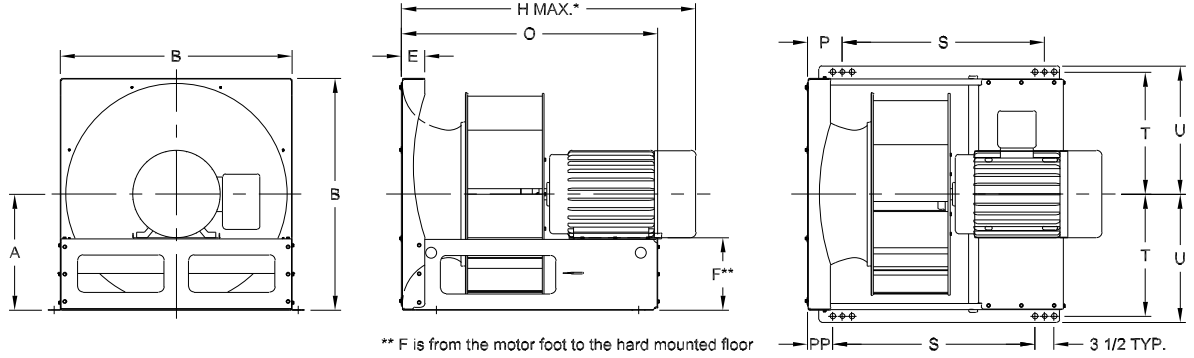
## EZ Full-Width Plenum Fan Wheels

Size	AcF Wheel				AcFq Wheel				EcF-9 Wheel				EcF-11 Wheel			
	Weight		WR <sup>2</sup>		Weight		WR <sup>2</sup>		Weight		WR <sup>2</sup>		Weight		WR <sup>2</sup>	
	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3	Class 2	Class 3
10	5	-	1	-	-	-	-	-	5	-	1	-	-	-	-	-
12	8	-	2	-	-	-	-	-	11	-	1	-	-	-	-	-
13	10	-	3	-	-	-	-	-	14	-	2	-	-	-	-	-
15	13	-	3	-	-	-	-	-	15	-	3	-	-	-	-	-
16	27	32	8	10	-	-	-	-	27	29	7	8	-	-	-	-
18	32	47	11	13	35	50	12	17	31	34	10	12	34	37	11	13
20	38	56	17	21	41	59	18	26	37	46	15	17	40	50	17	20
22	46	63	24	29	50	67	34	38	44	54	23	25	48	58	25	28
24	62	100	38	54	66	105	40	64	73	77	39	42	78	83	42	46
27	72	115	55	78	77	120	58	92	84	89	55	59	89	95	60	65
30	91	151	87	120	97	157	93	150	105	120	83	104	112	130	90	116
33	119	173	130	172	127	181	139	197	120	145	118	150	128	157	129	166
36	159	260	219	301	171	272	236	374	190	233	235	257	202	248	257	282

Sizes 10-15 are Aluminum as standard. Sizes 16-36 are Steel as standard. WR in lb-ft<sup>2</sup>. Weights in lbs.

# FA ARR. 4 DIMENSIONS

Dimensions not to be used for construction unless certified. [All dimensions in inches]



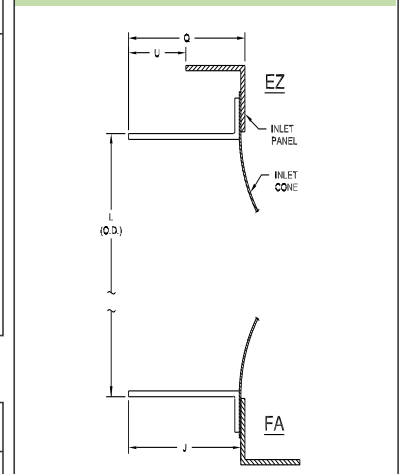
## DIMENSIONS [INCHES]

Size	A	B	E	P	PP	T	U	Base Holes	Bare Fan Weight**
10	6 <sup>15</sup> / <sub>16</sub>	13 <sup>7</sup> / <sub>8</sub>	3 <sup>5</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>4</sub>	3	8 <sup>3</sup> / <sub>32</sub>	9 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>16</sub>	21
12	8 <sup>5</sup> / <sub>16</sub>	16 <sup>5</sup> / <sub>8</sub>	3 <sup>5</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>4</sub>	3	9 <sup>15</sup> / <sub>32</sub>	10 <sup>5</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>16</sub>	26
13	9 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	10 <sup>9</sup> / <sub>32</sub>	11 <sup>7</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>16</sub>	31
15	9 <sup>15</sup> / <sub>16</sub>	19 <sup>7</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	11 <sup>3</sup> / <sub>32</sub>	12 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>16</sub>	36
16	10 <sup>7</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	12 <sup>1</sup> / <sub>32</sub>	13 <sup>5</sup> / <sub>32</sub>	9 <sup>1</sup> / <sub>16</sub>	45
18	12	24	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	13 <sup>5</sup> / <sub>32</sub>	14 <sup>9</sup> / <sub>32</sub>	9 <sup>1</sup> / <sub>16</sub>	51
20	13 <sup>1</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>4</sub>	15 <sup>3</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>16</sub>	67
22	14 <sup>1</sup> / <sub>2</sub>	29	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	15 <sup>5</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>16</sub>	78
24	14 <sup>13</sup> / <sub>16</sub>	29 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	15 <sup>15</sup> / <sub>16</sub>	17 <sup>1</sup> / <sub>32</sub>	3 <sup>4</sup> / <sub>4</sub>	86
27	16 <sup>7</sup> / <sub>16</sub>	32 <sup>7</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	17 <sup>9</sup> / <sub>16</sub>	18 <sup>11</sup> / <sub>16</sub>	3 <sup>4</sup> / <sub>4</sub>	101
30	17 <sup>7</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	19	20 <sup>1</sup> / <sub>8</sub>	3 <sup>4</sup> / <sub>4</sub>	119
33	19 <sup>1</sup> / <sub>2</sub>	39	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	20 <sup>5</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>4</sub>	3 <sup>4</sup> / <sub>4</sub>	141
36	21 <sup>1</sup> / <sub>4</sub>	42 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	22 <sup>3</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>2</sub>	7 <sup>8</sup> / <sub>8</sub>	168

## DIMENSIONS [INCHES]

Size	Motor frame	F	H*	O	S
10	56	3 <sup>7</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>2</sub>	15 <sup>1</sup> / <sub>2</sub>	9
	143/5T	3 <sup>7</sup> / <sub>16</sub>	20 <sup>7</sup> / <sub>16</sub>	16 <sup>1</sup> / <sub>8</sub>	9 <sup>9</sup> / <sub>16</sub>
12	56	4 <sup>13</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>16</sub>
	143/5T	4 <sup>13</sup> / <sub>16</sub>	22 <sup>3</sup> / <sub>16</sub>	17 <sup>7</sup> / <sub>8</sub>	9 <sup>11</sup> / <sub>16</sub>
	182/4T	3 <sup>13</sup> / <sub>16</sub>	23 <sup>3</sup> / <sub>8</sub>	20 <sup>5</sup> / <sub>8</sub>	12 <sup>7</sup> / <sub>16</sub>
13	143/5T	5 <sup>5</sup> / <sub>8</sub>	22 <sup>7</sup> / <sub>8</sub>	18 <sup>9</sup> / <sub>16</sub>	9 <sup>13</sup> / <sub>16</sub>
	182/4T	4 <sup>5</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>8</sub>	21	12 <sup>3</sup> / <sub>16</sub>
15	143/5T	6 <sup>7</sup> / <sub>16</sub>	23 <sup>9</sup> / <sub>16</sub>	19 <sup>1</sup> / <sub>4</sub>	10 <sup>7</sup> / <sub>16</sub>
	182/4T	5 <sup>7</sup> / <sub>16</sub>	23 <sup>13</sup> / <sub>16</sub>	21 <sup>3</sup> / <sub>8</sub>	12 <sup>5</sup> / <sub>8</sub>
16	213/5T	4 <sup>11</sup> / <sub>16</sub>	28	23 <sup>5</sup> / <sub>8</sub>	14 <sup>7</sup> / <sub>8</sub>
	143/5T	7 <sup>3</sup> / <sub>8</sub>	24 <sup>5</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>8</sub>
18	182/4T	6 <sup>3</sup> / <sub>8</sub>	25 <sup>1</sup> / <sub>8</sub>	22 <sup>5</sup> / <sub>8</sub>	13 <sup>15</sup> / <sub>16</sub>
	213/5T	5 <sup>5</sup> / <sub>8</sub>	29 <sup>9</sup> / <sub>16</sub>	24 <sup>7</sup> / <sub>8</sub>	16 <sup>1</sup> / <sub>8</sub>
	254/6T	4 <sup>5</sup> / <sub>8</sub>	32 <sup>1</sup> / <sub>8</sub>	27 <sup>7</sup> / <sub>8</sub>	19 <sup>1</sup> / <sub>8</sub>
	143/5T	8 <sup>1</sup> / <sub>2</sub>	26 <sup>3</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>4</sub>
20	182/4T	7 <sup>1</sup> / <sub>2</sub>	27 <sup>3</sup> / <sub>16</sub>	24 <sup>3</sup> / <sub>4</sub>	16
	213/5T	6 <sup>3</sup> / <sub>4</sub>	30 <sup>15</sup> / <sub>16</sub>	26 <sup>1</sup> / <sub>2</sub>	17 <sup>3</sup> / <sub>4</sub>
	254/6T	5 <sup>3</sup> / <sub>4</sub>	35 <sup>1</sup> / <sub>4</sub>	29 <sup>1</sup> / <sub>2</sub>	20 <sup>3</sup> / <sub>4</sub>
22	143/5T	9 <sup>5</sup> / <sub>8</sub>	27 <sup>11</sup> / <sub>16</sub>	23 <sup>3</sup> / <sub>8</sub>	14 <sup>9</sup> / <sub>16</sub>
	182/4T	8 <sup>5</sup> / <sub>8</sub>	27 <sup>15</sup> / <sub>16</sub>	25 <sup>1</sup> / <sub>2</sub>	16 <sup>3</sup> / <sub>4</sub>
	213/5T	7 <sup>7</sup> / <sub>8</sub>	32 <sup>1</sup> / <sub>8</sub>	27 <sup>3</sup> / <sub>4</sub>	19
	254/6T	6 <sup>7</sup> / <sub>8</sub>	37 <sup>3</sup> / <sub>8</sub>	31 <sup>1</sup> / <sub>8</sub>	22 <sup>3</sup> / <sub>8</sub>
24	143/5T	10 <sup>9</sup> / <sub>16</sub>	33 <sup>1</sup> / <sub>8</sub>	30 <sup>1</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>16</sub>
	213/5T	9 <sup>9</sup> / <sub>16</sub>	35 <sup>1</sup> / <sub>8</sub>	30 <sup>11</sup> / <sub>16</sub>	21 <sup>7</sup> / <sub>8</sub>
	254/6T	8 <sup>1</sup> / <sub>4</sub>	38 <sup>15</sup> / <sub>16</sub>	32 <sup>1</sup> / <sub>16</sub>	23 <sup>1</sup> / <sub>4</sub>
	284/6T	7 <sup>1</sup> / <sub>2</sub>	40 <sup>11</sup> / <sub>16</sub>	33 <sup>1</sup> / <sub>16</sub>	24 <sup>15</sup> / <sub>16</sub>
27	182/4T	11 <sup>15</sup> / <sub>16</sub>	36 <sup>3</sup> / <sub>4</sub>	32 <sup>5</sup> / <sub>16</sub>	22
	213/5T	11 <sup>13</sup> / <sub>16</sub>	36 <sup>3</sup> / <sub>4</sub>	32 <sup>5</sup> / <sub>16</sub>	23 <sup>9</sup> / <sub>16</sub>
	254/6T	10 <sup>9</sup> / <sub>16</sub>	41 <sup>9</sup> / <sub>16</sub>	35 <sup>3</sup> / <sub>8</sub>	26 <sup>9</sup> / <sub>16</sub>
	284/6T	9 <sup>7</sup> / <sub>16</sub>	44 <sup>7</sup> / <sub>16</sub>	36 <sup>15</sup> / <sub>16</sub>	28 <sup>3</sup> / <sub>16</sub>
30	213/5T	12 <sup>5</sup> / <sub>8</sub>	38 <sup>7</sup> / <sub>8</sub>	34 <sup>3</sup> / <sub>8</sub>	25 <sup>5</sup> / <sub>8</sub>
	254/6T	11 <sup>5</sup> / <sub>8</sub>	44 <sup>3</sup> / <sub>16</sub>	37 <sup>7</sup> / <sub>16</sub>	28 <sup>1</sup> / <sub>16</sub>
	284/6T	10 <sup>7</sup> / <sub>8</sub>	46 <sup>9</sup> / <sub>16</sub>	39 <sup>1</sup> / <sub>16</sub>	30 <sup>5</sup> / <sub>16</sub>
33	324/6T	9 <sup>7</sup> / <sub>8</sub>	49 <sup>9</sup> / <sub>16</sub>	41 <sup>1</sup> / <sub>16</sub>	32 <sup>5</sup> / <sub>16</sub>
	254/6T	13 <sup>1</sup> / <sub>4</sub>	46 <sup>3</sup> / <sub>8</sub>	39 <sup>1</sup> / <sub>2</sub>	30 <sup>13</sup> / <sub>16</sub>
36	284/6T	12 <sup>1</sup> / <sub>2</sub>	48 <sup>3</sup> / <sub>4</sub>	41 <sup>1</sup> / <sub>8</sub>	32 <sup>5</sup> / <sub>16</sub>
	324/6T	11 <sup>1</sup> / <sub>2</sub>	51 <sup>1</sup> / <sub>2</sub>	43 <sup>1</sup> / <sub>8</sub>	34 <sup>5</sup> / <sub>16</sub>
	364/5T	12 <sup>1</sup> / <sub>4</sub>	56 <sup>3</sup> / <sub>16</sub>	46 <sup>13</sup> / <sub>16</sub>	38

## FA/EZ OPTIONAL INLET COLLAR DIMENSIONS



Size	FA&EZ	FA	EZ	
	L (OD)	J	Q	U
10	10 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
12	13 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
13	14 <sup>7</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
15	16 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
16	18 <sup>5</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
18	20	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
20	22 <sup>3</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
22	24 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>
24	27	4 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub>
27	30	4 <sup>1</sup> / <sub>16</sub>	4 <sup>15</sup> / <sub>16</sub>	2 <sup>15</sup> / <sub>16</sub>
30	33	4 <sup>1</sup> / <sub>16</sub>	4 <sup>15</sup> / <sub>16</sub>	2 <sup>15</sup> / <sub>16</sub>
33	36 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>16</sub>	4 <sup>15</sup> / <sub>16</sub>	2 <sup>15</sup> / <sub>16</sub>
36	40	4 <sup>15</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>16</sub>

\* Use H dimension as a guide only, as motor length varies by manufacturer.

All dimensions are for full-width ECF wheels. Fans with narrow-width wheels require custom drawings and dimensions.

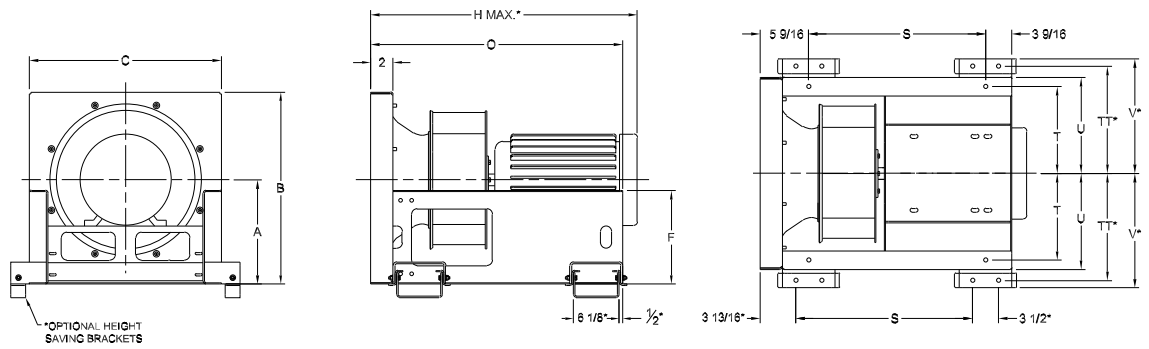
\*\* Bare fan weight in pounds less wheel and motor. Weight based on design for largest available motor frame size. For complete fan weight, add wheel weight from page six and specific motor weight.

Optional isolation adds from 4-7/8" to fan height depending on type selected.

The New York Blower Company has a policy of continual product improvement and reserves the right to change designs and specifications without notice.

# EZ ARR. 4 DIMENSIONS

Dimensions not to be used for construction unless certified. [All dimensions in inches]



## DIMENSIONS [INCHES]

Size	A	B	C	F	T	TT	U	V	Base Holes	Bare Fan Weight**
10	8	14 <sup>3</sup> / <sub>4</sub>	14 <sup>3</sup> / <sub>4</sub>	6 <sup>7</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	7 <sup>7</sup> / <sub>8</sub>	7 <sup>7</sup> / <sub>8</sub>	9 <sup>7</sup> / <sub>8</sub>	9/16	68
12	9 <sup>13</sup> / <sub>16</sub>	18	18	8 <sup>3</sup> / <sub>8</sub>	8	10 <sup>1</sup> / <sub>2</sub>	9	11 <sup>1</sup> / <sub>2</sub>	9/16	76
13	10 <sup>13</sup> / <sub>16</sub>	19 <sup>3</sup> / <sub>4</sub>	19	9 <sup>3</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>2</sub>	11	9 <sup>1</sup> / <sub>2</sub>	12	9/16	80
15	12	22 <sup>1</sup> / <sub>16</sub>	21	10 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>2</sub>	12	10 <sup>1</sup> / <sub>2</sub>	13	9/16	95
16	13 <sup>1</sup> / <sub>4</sub>	24 <sup>5</sup> / <sub>16</sub>	23	11 <sup>13</sup> / <sub>16</sub>	10 <sup>1</sup> / <sub>2</sub>	13	11 <sup>1</sup> / <sub>2</sub>	14	9/16	121
18	14 <sup>1</sup> / <sub>8</sub>	26	26	12 <sup>11</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>2</sub>	13	15 <sup>1</sup> / <sub>2</sub>	9/16	143
20	15 <sup>1</sup> / <sub>2</sub>	28 <sup>7</sup> / <sub>16</sub>	27	13 <sup>13</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>2</sub>	15	13 <sup>1</sup> / <sub>2</sub>	16	9/16	148
22	17 <sup>1</sup> / <sub>4</sub>	31 <sup>5</sup> / <sub>16</sub>	30	15 <sup>3</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>4</sub>	16 <sup>1</sup> / <sub>2</sub>	15	17 <sup>1</sup> / <sub>2</sub>	9/16	171
24	19	34 <sup>3</sup> / <sub>4</sub>	33	17 <sup>1</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>4</sub>	18	16 <sup>1</sup> / <sub>2</sub>	19	3/4	199
27	20 <sup>3</sup> / <sub>4</sub>	37 <sup>3</sup> / <sub>4</sub>	36	18 <sup>7</sup> / <sub>8</sub>	16 <sup>3</sup> / <sub>4</sub>	19 <sup>1</sup> / <sub>2</sub>	18	20 <sup>1</sup> / <sub>2</sub>	3/4	210
30	21 <sup>1</sup> / <sub>4</sub>	40	40	19 <sup>3</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>2</sub>	21 <sup>1</sup> / <sub>2</sub>	20	22 <sup>1</sup> / <sub>2</sub>	3/4	262
33	23 <sup>1</sup> / <sub>4</sub>	43	44	21	20 <sup>1</sup> / <sub>2</sub>	23 <sup>1</sup> / <sub>2</sub>	22	24 <sup>1</sup> / <sub>2</sub>	3/4	289
36	25 <sup>7</sup> / <sub>16</sub>	48	48	23 <sup>5</sup> / <sub>16</sub>	22 <sup>1</sup> / <sub>2</sub>	25 <sup>1</sup> / <sub>2</sub>	24	26 <sup>1</sup> / <sub>2</sub>	7/8	333

## DIMENSIONS [INCHES]

Size	Motor frame	H*		O		S	
		ACF	ECF	ACF	ECF	ACF	ECF
10	56	21 <sup>1</sup> / <sub>4</sub>	21 <sup>3</sup> / <sub>4</sub>	18 <sup>5</sup> / <sub>8</sub>	19 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>2</sub>	10
	143/5T	21 <sup>13</sup> / <sub>16</sub>	22 <sup>9</sup> / <sub>16</sub>	20 <sup>7</sup> / <sub>8</sub>	20 <sup>5</sup> / <sub>8</sub>	11	11 <sup>1</sup> / <sub>2</sub>
	56	22 <sup>7</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>4</sub>	20 <sup>9</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	11 <sup>7</sup> / <sub>16</sub>
	143/5T	23 <sup>1</sup> / <sub>16</sub>	23 <sup>3</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>16</sub>	12 <sup>5</sup> / <sub>8</sub>	12 <sup>15</sup> / <sub>16</sub>
182/4T	25 <sup>5</sup> / <sub>16</sub>	25 <sup>5</sup> / <sub>8</sub>	22 <sup>3</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>16</sub>	13 <sup>5</sup> / <sub>8</sub>	13 <sup>15</sup> / <sub>16</sub>	
12	143/5T	23 <sup>15</sup> / <sub>16</sub>	24 <sup>1</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>4</sub>	22 <sup>9</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>8</sub>	13 <sup>7</sup> / <sub>16</sub>
	182/4T	25 <sup>3</sup> / <sub>16</sub>	26 <sup>1</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>4</sub>	23 <sup>9</sup> / <sub>16</sub>	14 <sup>1</sup> / <sub>8</sub>	14 <sup>7</sup> / <sub>16</sub>
13	143/5T	24 <sup>9</sup> / <sub>16</sub>	24 <sup>15</sup> / <sub>16</sub>	22 <sup>7</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>8</sub>
	182/4T	26 <sup>1</sup> / <sub>16</sub>	26 <sup>13</sup> / <sub>16</sub>	23 <sup>3</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>4</sub>	14 <sup>3</sup> / <sub>4</sub>	15 <sup>1</sup> / <sub>8</sub>
213/5T	28 <sup>1</sup> / <sub>4</sub>	28 <sup>5</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>2</sub>	17	17 <sup>3</sup> / <sub>8</sub>	
15	143/5T	26 <sup>3</sup> / <sub>16</sub>	26 <sup>5</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>2</sub>	25 <sup>1</sup> / <sub>16</sub>	15 <sup>5</sup> / <sub>8</sub>	15 <sup>13</sup> / <sub>16</sub>
	182/4T	28 <sup>1</sup> / <sub>16</sub>	28 <sup>1</sup> / <sub>2</sub>	25 <sup>1</sup> / <sub>2</sub>	25 <sup>15</sup> / <sub>16</sub>	16 <sup>3</sup> / <sub>8</sub>	16 <sup>13</sup> / <sub>16</sub>
	213/5T	29 <sup>15</sup> / <sub>16</sub>	30 <sup>3</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>4</sub>	28 <sup>3</sup> / <sub>16</sub>	18 <sup>5</sup> / <sub>8</sub>	19 <sup>1</sup> / <sub>16</sub>
	254/6T	33 <sup>1</sup> / <sub>2</sub>	33 <sup>15</sup> / <sub>16</sub>	31 <sup>1</sup> / <sub>2</sub>	31 <sup>15</sup> / <sub>16</sub>	22 <sup>3</sup> / <sub>8</sub>	22 <sup>13</sup> / <sub>16</sub>
16	143/5T	27 <sup>5</sup> / <sub>16</sub>	27 <sup>3</sup> / <sub>4</sub>	25 <sup>5</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>16</sub>	16 <sup>1</sup> / <sub>2</sub>	17 <sup>15</sup> / <sub>16</sub>
	182/4T	29 <sup>3</sup> / <sub>16</sub>	29 <sup>5</sup> / <sub>8</sub>	26 <sup>5</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>16</sub>	17 <sup>1</sup> / <sub>2</sub>	17 <sup>15</sup> / <sub>16</sub>
	213/5T	31	31 <sup>7</sup> / <sub>16</sub>	28 <sup>1</sup> / <sub>8</sub>	29 <sup>1</sup> / <sub>16</sub>	19 <sup>3</sup> / <sub>4</sub>	20 <sup>3</sup> / <sub>16</sub>
	254/6T	34 <sup>5</sup> / <sub>8</sub>	35 <sup>1</sup> / <sub>16</sub>	32 <sup>5</sup> / <sub>8</sub>	33 <sup>1</sup> / <sub>16</sub>	23 <sup>1</sup> / <sub>2</sub>	23 <sup>15</sup> / <sub>16</sub>
284/6TS	36 <sup>3</sup> / <sub>4</sub>	37 <sup>1</sup> / <sub>4</sub>	34 <sup>1</sup> / <sub>8</sub>	34 <sup>9</sup> / <sub>16</sub>	25	25 <sup>7</sup> / <sub>16</sub>	
18	143/5T	28 <sup>5</sup> / <sub>16</sub>	28 <sup>13</sup> / <sub>16</sub>	26 <sup>5</sup> / <sub>8</sub>	27 <sup>1</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>2</sub>	18
	182/4T	30 <sup>3</sup> / <sub>16</sub>	30 <sup>1</sup> / <sub>16</sub>	27 <sup>5</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>2</sub>	19
	213/5T	32	32 <sup>1</sup> / <sub>2</sub>	29 <sup>1</sup> / <sub>8</sub>	30 <sup>3</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>4</sub>
	254/5T	35 <sup>5</sup> / <sub>8</sub>	36 <sup>1</sup> / <sub>8</sub>	33 <sup>5</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>2</sub>	25
284/6TS	37 <sup>3</sup> / <sub>4</sub>	38 <sup>1</sup> / <sub>4</sub>	35 <sup>5</sup> / <sub>8</sub>	35 <sup>5</sup> / <sub>8</sub>	26	26 <sup>1</sup> / <sub>2</sub>	
20	143/5T	29 <sup>3</sup> / <sub>4</sub>	30 <sup>3</sup> / <sub>16</sub>	28 <sup>1</sup> / <sub>16</sub>	28 <sup>5</sup> / <sub>8</sub>	18 <sup>15</sup> / <sub>16</sub>	19 <sup>1</sup> / <sub>2</sub>
	182/4T	31 <sup>5</sup> / <sub>8</sub>	32 <sup>3</sup> / <sub>16</sub>	29	29	19 <sup>15</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>2</sub>
	213/5T	33 <sup>7</sup> / <sub>16</sub>	34	31	31	22 <sup>3</sup> / <sub>16</sub>	22 <sup>3</sup> / <sub>4</sub>
	254/6T	37 <sup>1</sup> / <sub>16</sub>	37 <sup>5</sup> / <sub>8</sub>	35 <sup>1</sup> / <sub>16</sub>	35 <sup>5</sup> / <sub>8</sub>	25 <sup>15</sup> / <sub>16</sub>	26 <sup>1</sup> / <sub>2</sub>
284/6T	40 <sup>15</sup> / <sub>16</sub>	41 <sup>1</sup> / <sub>2</sub>	36 <sup>9</sup> / <sub>16</sub>	37 <sup>1</sup> / <sub>8</sub>	27 <sup>7</sup> / <sub>16</sub>	28	
284/6TS	39 <sup>1</sup> / <sub>4</sub>	39 <sup>3</sup> / <sub>4</sub>	36 <sup>9</sup> / <sub>16</sub>	37 <sup>1</sup> / <sub>8</sub>	27 <sup>7</sup> / <sub>16</sub>	28	
22	143/5T	29 <sup>3</sup> / <sub>4</sub>	30 <sup>3</sup> / <sub>16</sub>	28 <sup>1</sup> / <sub>16</sub>	28 <sup>5</sup> / <sub>8</sub>	18 <sup>15</sup> / <sub>16</sub>	19 <sup>1</sup> / <sub>2</sub>
	182/4T	31 <sup>5</sup> / <sub>8</sub>	32 <sup>3</sup> / <sub>16</sub>	29	29	19 <sup>15</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>2</sub>
	213/5T	33 <sup>7</sup> / <sub>16</sub>	34	31	31	22 <sup>3</sup> / <sub>16</sub>	22 <sup>3</sup> / <sub>4</sub>
	254/6T	37 <sup>1</sup> / <sub>16</sub>	37 <sup>5</sup> / <sub>8</sub>	35 <sup>1</sup> / <sub>16</sub>	35 <sup>5</sup> / <sub>8</sub>	25 <sup>15</sup> / <sub>16</sub>	26 <sup>1</sup> / <sub>2</sub>
284/6T	40 <sup>15</sup> / <sub>16</sub>	41 <sup>1</sup> / <sub>2</sub>	36 <sup>9</sup> / <sub>16</sub>	37 <sup>1</sup> / <sub>8</sub>	27 <sup>7</sup> / <sub>16</sub>	28	
284/6TS	39 <sup>1</sup> / <sub>4</sub>	39 <sup>3</sup> / <sub>4</sub>	36 <sup>9</sup> / <sub>16</sub>	37 <sup>1</sup> / <sub>8</sub>	27 <sup>7</sup> / <sub>16</sub>	28	
24	182/4T	39 <sup>7</sup> / <sub>16</sub>	35 <sup>1</sup> / <sub>16</sub>	31 <sup>7</sup> / <sub>8</sub>	32 <sup>1</sup> / <sub>2</sub>	22 <sup>3</sup> / <sub>4</sub>	23 <sup>3</sup> / <sub>8</sub>
	213/5T	36 <sup>1</sup> / <sub>4</sub>	36 <sup>15</sup> / <sub>16</sub>	34 <sup>1</sup> / <sub>8</sub>	34 <sup>3</sup> / <sub>4</sub>	25	25 <sup>5</sup> / <sub>8</sub>
	254/6T	39 <sup>7</sup> / <sub>8</sub>	40 <sup>1</sup> / <sub>2</sub>	37 <sup>7</sup> / <sub>8</sub>	38 <sup>1</sup> / <sub>2</sub>	28 <sup>3</sup> / <sub>4</sub>	29 <sup>3</sup> / <sub>8</sub>
	284/6T	43 <sup>3</sup> / <sub>4</sub>	44 <sup>3</sup> / <sub>8</sub>	39 <sup>3</sup> / <sub>8</sub>	40	30 <sup>3</sup> / <sub>4</sub>	30 <sup>7</sup> / <sub>8</sub>
324/6T	45 <sup>3</sup> / <sub>4</sub>	46 <sup>5</sup> / <sub>16</sub>	40 <sup>7</sup> / <sub>8</sub>	41 <sup>1</sup> / <sub>2</sub>	31 <sup>3</sup> / <sub>4</sub>	32 <sup>3</sup> / <sub>8</sub>	
27	182/4T	36 <sup>1</sup> / <sub>16</sub>	36 <sup>3</sup> / <sub>4</sub>	33 <sup>1</sup> / <sub>2</sub>	34 <sup>3</sup> / <sub>16</sub>	24 <sup>3</sup> / <sub>8</sub>	25 <sup>1</sup> / <sub>16</sub>
	213/5T	37 <sup>15</sup> / <sub>16</sub>	38 <sup>9</sup> / <sub>16</sub>	35 <sup>3</sup> / <sub>4</sub>	36 <sup>7</sup> / <sub>16</sub>	26 <sup>5</sup> / <sub>8</sub>	27 <sup>5</sup> / <sub>16</sub>
	254/6T	41 <sup>1</sup> / <sub>2</sub>	42 <sup>3</sup> / <sub>16</sub>	39 <sup>1</sup> / <sub>2</sub>	40 <sup>3</sup> / <sub>16</sub>	30 <sup>3</sup> / <sub>8</sub>	31 <sup>1</sup> / <sub>16</sub>
	284/6T	45 <sup>5</sup> / <sub>8</sub>	46 <sup>1</sup> / <sub>16</sub>	41	41 <sup>1</sup> / <sub>16</sub>	31 <sup>7</sup> / <sub>8</sub>	32 <sup>9</sup> / <sub>16</sub>
324/6T	47 <sup>3</sup> / <sub>8</sub>	48 <sup>1</sup> / <sub>16</sub>	42 <sup>1</sup> / <sub>2</sub>	43 <sup>3</sup> / <sub>16</sub>	33 <sup>3</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>16</sub>	
30	213/5T	40 <sup>7</sup> / <sub>16</sub>	41 <sup>3</sup> / <sub>16</sub>	38 <sup>1</sup> / <sub>4</sub>	39	29 <sup>1</sup> / <sub>8</sub>	29 <sup>7</sup> / <sub>8</sub>
	254/6T	44	44 <sup>3</sup> / <sub>4</sub>	42	42 <sup>3</sup> / <sub>4</sub>	32 <sup>7/<sub>8</sub></sup>	33 <sup>5</sup> / <sub>8</sub>
	284/6T	47 <sup>7</sup> / <sub>8</sub>	48 <sup>5</sup> / <sub>8</sub>	43 <sup>1</sup> / <sub>2</sub>	44 <sup>1</sup> / <sub>4</sub>	34 <sup>3</sup> / <sub>8</sub>	35 <sup>5</sup> / <sub>8</sub>
	324/6T	49 <sup>7</sup> / <sub>8</sub>	50 <sup>5</sup> / <sub>8</sub>	45	45 <sup>3</sup> / <sub>4</sub>	35 <sup>7/<sub>8</sub></sup>	36 <sup>5</sup> / <sub>8</sub>
364/5T	51 <sup>3</sup> / <sub>4</sub>	52 <sup>1</sup> / <sub>2</sub>	45 <sup>7/<sub>8</sub></sup>	46 <sup>5</sup> / <sub>8</sub>	36 <sup>3</sup> / <sub>4</sub>	37 <sup>1</sup> / <sub>2</sub>	
33	254/6T	46 <sup>1</sup> / <sub>2</sub>	47 <sup>5</sup> / <sub>16</sub>	44 <sup>1</sup> / <sub>2</sub>	45 <sup>5</sup> / <sub>16</sub>	35 <sup>5</sup> / <sub>8</sub>	36 <sup>3</sup> / <sub>16</sub>
	284/6T	50 <sup>3</sup> / <sub>8</sub>	51 <sup>3</sup> / <sub>16</sub>	46	46 <sup>13</sup> / <sub>16</sub>	36 <sup>7/<sub>8</sub></sup>	37 <sup>11</sup> / <sub>16</sub>
	324/6T	52 <sup>3</sup> / <sub>8</sub>	53 <sup>1</sup> / <sub>16</sub>	47 <sup>1</sup> / <sub>2</sub>	48 <sup>5</sup> / <sub>16</sub>	38 <sup>3/<sub>8</sub></sup>	39 <sup>3</sup> / <sub>16</sub>
	364/5T	54 <sup>1</sup> / <sub>4</sub>	55	48 <sup>3/<sub>8</sub></sup>	49 <sup>3</sup> / <sub>16</sub>	39 <sup>1</sup> / <sub>4</sub>	40 <sup>1</sup> / <sub>16</sub>
36	284/6T	51 <sup>7</sup> / <sub>8</sub>	52 <sup>1</sup> / <sub>16</sub>	47 <sup>1</sup> / <sub>2</sub>	48 <sup>5</sup> / <sub>16</sub>	38 <sup>3/<sub>8</sub></sup>	39 <sup>3</sup> / <sub>16</sub>
	324/6T	53 <sup>3</sup> / <sub>8</sub>	54 <sup>3</sup> / <sub>4</sub>	49	49 <sup>13</sup> / <sub>16</sub>	39 <sup>7/<sub>8</sub></sup>	40 <sup>11</sup> / <sub>16</sub>
	364/5T	55 <sup>3</sup> / <sub>4</sub>	56 <sup>1</sup> / <sub>2</sub>	49 <sup>7</sup> / <sub>8</sub>	50 <sup>1</sup> / <sub>16</sub>	40 <sup>3</sup> / <sub>4</sub>	41 <sup>9</sup> / <sub>16</sub>

\* Use H dimension as a guide only, as motor length varies by manufacturer.

All dimensions are for full-width ECF wheels. Fans with AcF, AcFq, and all narrow-width wheels require custom drawings and dimensions.

\*\* Bare fan weight in pounds less wheel and motor. Weight based on design for largest available motor frame size. For complete fan weight, add wheel weight from page six and specific motor weight.

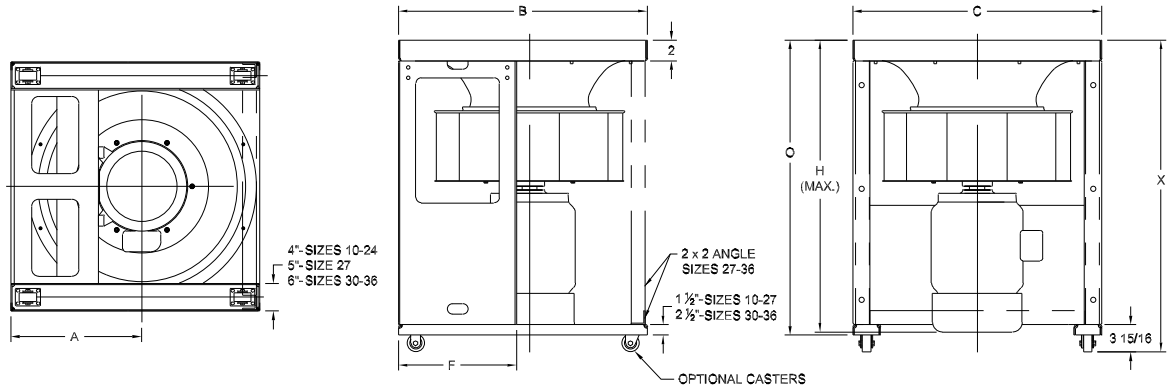
Optional casters add approximately 3-15/16" to fan height.



# EZ ARR. 4V WITH LEGS DIMENSIONS

(INLET UP ONLY)

Dimensions not to be used for construction unless certified. [All dimensions in inches]



## DIMENSIONS [INCHES]

Size	Motor Frame	A	B	C	F	H*	O	X	Bare Fan Weight**
10	56 143/5T	8	14 <sup>3</sup> / <sub>4</sub>	14 <sup>3</sup> / <sub>4</sub>	6 <sup>7</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>4</sub> 22 <sup>5</sup> / <sub>16</sub>	20 <sup>5</sup> / <sub>8</sub> 22 <sup>1</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>16</sub> 24 <sup>9</sup> / <sub>16</sub>	66
12	56 143/5T 182/4T	9 <sup>13</sup> / <sub>16</sub>	18	18	8 <sup>3</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>16</sub> 23 <sup>3</sup> / <sub>4</sub> 25 <sup>5</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>16</sub> 23 <sup>9</sup> / <sub>16</sub> 24 <sup>9</sup> / <sub>16</sub>	24 <sup>9</sup> / <sub>16</sub> 26 27	88
13	143/5T 182/4T	10 <sup>13</sup> / <sub>16</sub>	19 <sup>3</sup> / <sub>4</sub>	19	9 <sup>3</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>4</sub> 26 <sup>1</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>16</sub> 25 <sup>1</sup> / <sub>16</sub>	26 <sup>1</sup> / <sub>2</sub> 27 <sup>1</sup> / <sub>2</sub>	93
15	143/5T 182/4T 213/5T	12	22 <sup>1</sup> / <sub>16</sub>	21	10 <sup>9</sup> / <sub>16</sub>	24 <sup>15</sup> / <sub>16</sub> 26 <sup>13</sup> / <sub>16</sub> 28 <sup>5</sup> / <sub>8</sub>	24 <sup>3</sup> / <sub>4</sub> 25 <sup>3</sup> / <sub>4</sub> 28	27 <sup>3</sup> / <sub>16</sub> 28 <sup>3</sup> / <sub>16</sub> 30 <sup>7</sup> / <sub>16</sub>	109
16	143/5T 182/4T 213/5T 254/6T	13 <sup>1</sup> / <sub>4</sub>	24 <sup>5</sup> / <sub>16</sub>	23	11 <sup>13</sup> / <sub>16</sub>	26 <sup>5</sup> / <sub>8</sub> 28 <sup>1</sup> / <sub>2</sub> 30 <sup>5</sup> / <sub>16</sub> 33 <sup>15</sup> / <sub>16</sub>	26 <sup>7</sup> / <sub>16</sub> 27 <sup>7</sup> / <sub>16</sub> 29 <sup>11</sup> / <sub>16</sub> 33 <sup>7</sup> / <sub>16</sub>	28 <sup>7</sup> / <sub>8</sub> 29 <sup>7</sup> / <sub>8</sub> 32 <sup>1</sup> / <sub>8</sub> 35 <sup>7</sup> / <sub>8</sub>	137
18	143/5T 182/4T 213/5T 254/6T 284/6TS	14 <sup>1</sup> / <sub>8</sub>	26	26	12 <sup>11</sup> / <sub>16</sub>	27 <sup>3</sup> / <sub>4</sub> 29 <sup>5</sup> / <sub>8</sub> 31 <sup>7</sup> / <sub>16</sub> 35 <sup>1</sup> / <sub>16</sub> 37 <sup>1</sup> / <sub>4</sub>	27 <sup>9</sup> / <sub>16</sub> 28 <sup>9</sup> / <sub>16</sub> 30 <sup>13</sup> / <sub>16</sub> 34 <sup>9</sup> / <sub>16</sub> 36 <sup>1</sup> / <sub>16</sub>	30 31 33 <sup>1</sup> / <sub>4</sub> 37 38 <sup>1</sup> / <sub>2</sub>	160
20	143/5T 182/4T 213/5T 254/6T 284/6TS	15 <sup>1</sup> / <sub>2</sub>	28 <sup>7</sup> / <sub>16</sub>	27	13 <sup>13</sup> / <sub>16</sub>	28 <sup>13</sup> / <sub>16</sub> 30 <sup>11</sup> / <sub>16</sub> 32 <sup>1</sup> / <sub>2</sub> 36 <sup>1</sup> / <sub>8</sub> 38 <sup>5</sup> / <sub>16</sub>	28 <sup>5</sup> / <sub>8</sub> 29 <sup>5</sup> / <sub>8</sub> 31 <sup>7</sup> / <sub>8</sub> 35 <sup>5</sup> / <sub>8</sub> 37 <sup>1</sup> / <sub>8</sub>	31 <sup>1</sup> / <sub>16</sub> 32 <sup>1</sup> / <sub>16</sub> 34 <sup>5</sup> / <sub>16</sub> 38 <sup>1</sup> / <sub>16</sub> 39 <sup>9</sup> / <sub>16</sub>	166
22	143/5T 182/4T 213/5T 254/6T 284/6T 284/6TS	17 <sup>1</sup> / <sub>4</sub>	31 <sup>5</sup> / <sub>16</sub>	30	15 <sup>3</sup> / <sub>8</sub>	30 <sup>5</sup> / <sub>16</sub> 32 <sup>3</sup> / <sub>16</sub> 34 37 <sup>5</sup> / <sub>8</sub> 40 <sup>1</sup> / <sub>2</sub> 39 <sup>13</sup> / <sub>16</sub>	30 <sup>1</sup> / <sub>8</sub> 31 <sup>1</sup> / <sub>8</sub> 33 <sup>3</sup> / <sub>8</sub> 37 <sup>1</sup> / <sub>8</sub> 38 <sup>5</sup> / <sub>8</sub> 38 <sup>5</sup> / <sub>8</sub>	32 <sup>9</sup> / <sub>16</sub> 33 <sup>9</sup> / <sub>16</sub> 35 <sup>13</sup> / <sub>16</sub> 39 <sup>9</sup> / <sub>16</sub> 41 <sup>1</sup> / <sub>16</sub> 41 <sup>1</sup> / <sub>16</sub>	191
24	182/4T 213/5T 254/6T 284/6T	19	34 <sup>3</sup> / <sub>4</sub>	33	17 <sup>1</sup> / <sub>8</sub>	35 <sup>1</sup> / <sub>16</sub> 36 <sup>7</sup> / <sub>8</sub> 40 <sup>1</sup> / <sub>2</sub> 42 <sup>1</sup> / <sub>16</sub>	34 36 <sup>1</sup> / <sub>4</sub> 40 41 <sup>1</sup> / <sub>2</sub>	36 <sup>7</sup> / <sub>16</sub> 38 <sup>11</sup> / <sub>16</sub> 42 <sup>7</sup> / <sub>16</sub> 43 <sup>5</sup> / <sub>16</sub>	221
27	182/4T 213/5T 254/6T 284/6T	20 <sup>3</sup> / <sub>4</sub>	37 <sup>3</sup> / <sub>4</sub>	36	18 <sup>7</sup> / <sub>8</sub>	36 <sup>3</sup> / <sub>4</sub> 38 <sup>9</sup> / <sub>16</sub> 42 <sup>3</sup> / <sub>16</sub> 44 <sup>3</sup> / <sub>8</sub>	35 <sup>11</sup> / <sub>16</sub> 37 <sup>15</sup> / <sub>16</sub> 41 <sup>11</sup> / <sub>16</sub> 43 <sup>3</sup> / <sub>16</sub>	38 <sup>3</sup> / <sub>16</sub> 40 <sup>7</sup> / <sub>16</sub> 44 <sup>3</sup> / <sub>16</sub> 45 <sup>1</sup> / <sub>16</sub>	270
30	213/5T 254/6T 284/6T	21 <sup>1</sup> / <sub>4</sub>	40	40	19 <sup>3</sup> / <sub>8</sub>	41 <sup>1</sup> / <sub>8</sub> 44 <sup>3</sup> / <sub>4</sub> 46 <sup>15</sup> / <sub>16</sub>	41 <sup>1</sup> / <sub>2</sub> 45 <sup>1</sup> / <sub>4</sub> 46 <sup>3</sup> / <sub>4</sub>	43 46 <sup>3</sup> / <sub>4</sub> 48 <sup>1</sup> / <sub>4</sub>	346
33	254/6T 284/6T	23 <sup>1</sup> / <sub>4</sub>	43	44	21	47 <sup>5</sup> / <sub>16</sub> 49 <sup>1</sup> / <sub>2</sub>	47 <sup>13</sup> / <sub>16</sub> 49 <sup>5</sup> / <sub>16</sub>	49 <sup>5</sup> / <sub>16</sub> 50 <sup>13</sup> / <sub>16</sub>	381
36	284/6T	25 <sup>7</sup> / <sub>16</sub>	48	48	23 <sup>5</sup> / <sub>16</sub>	51	50 <sup>13</sup> / <sub>16</sub>	52 <sup>5</sup> / <sub>16</sub>	432

\* Use H dimension as a guide only, as motor length varies by manufacturer.

All dimensions are for full-width ECF wheels. Fans with AcF, AcFq, and all narrow-width wheels require custom drawings and dimensions.

\*\* Bare fan weight in pounds less wheel and motor. Weight based on design for largest available motor frame size. For complete fan weight, add wheel weight from page six and specific motor weight.

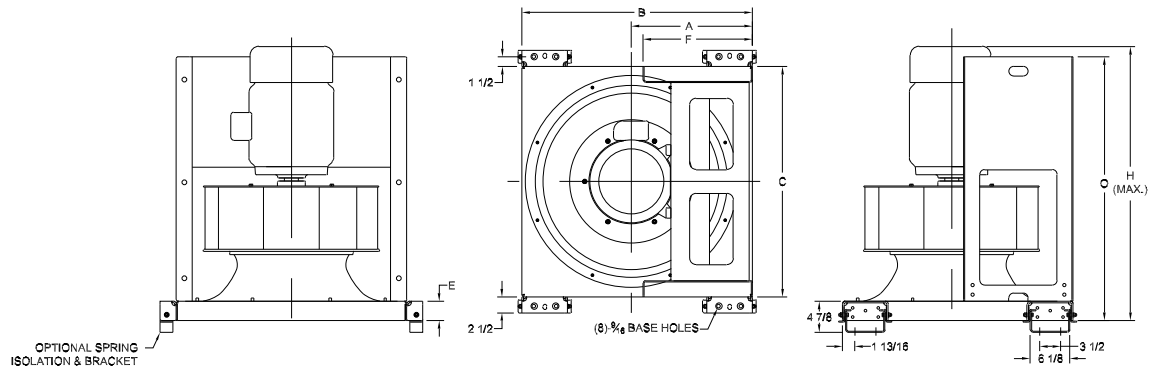
Optional standard isolation adds approximately 4-7/8" to fan height.

Optional casters add approximately 3-15/16" to fan height.

# EZ ARR. 4V SPRING/BRACKET ISOLATION DIMENSIONS

## (INLET DOWN ONLY)

Dimensions not to be used for construction unless certified. [All dimensions in inches]



## DIMENSIONS [INCHES]

Size	Motor Frame	A	B	C	E	F	H	O	Bare Fan Weight**
10	56 143/5T	8	14 <sup>3</sup> / <sub>4</sub>	14 <sup>3</sup> / <sub>4</sub>	2	6 <sup>7</sup> / <sub>8</sub>	21 <sup>3</sup> / <sub>4</sub> 22 <sup>9</sup> / <sub>16</sub>	19 <sup>1</sup> / <sub>8</sub> 20 <sup>5</sup> / <sub>8</sub>	68
12	56 143/5T 182/4T	9 <sup>1</sup> / <sub>16</sub>	18	18	2	8 <sup>3</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>16</sub> 23 <sup>3</sup> / <sub>4</sub> 25 <sup>5</sup> / <sub>8</sub>	20 <sup>9</sup> / <sub>16</sub> 22 <sup>1</sup> / <sub>16</sub> 23 <sup>1</sup> / <sub>16</sub>	76
13	143/5T 182/4T	10 <sup>1</sup> / <sub>16</sub>	19 <sup>3</sup> / <sub>4</sub>	19	2	9 <sup>3</sup> / <sub>8</sub>	24 <sup>1</sup> / <sub>4</sub> 26 <sup>1</sup> / <sub>8</sub>	22 <sup>9</sup> / <sub>16</sub> 23 <sup>9</sup> / <sub>16</sub>	80
15	143/5T 182/4T 213/5T	12	22 <sup>1</sup> / <sub>16</sub>	21	2	10 <sup>9</sup> / <sub>16</sub>	24 <sup>15</sup> / <sub>16</sub> 26 <sup>1</sup> / <sub>16</sub> 28 <sup>5</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>4</sub> 24 <sup>1</sup> / <sub>4</sub> 26 <sup>1</sup> / <sub>2</sub>	95
16	143/5T 182/4T 213/5T 254/6T	13 <sup>3</sup> / <sub>4</sub>	24 <sup>5</sup> / <sub>16</sub>	23	3	11 <sup>1</sup> / <sub>16</sub>	27 <sup>5</sup> / <sub>8</sub> 29 <sup>1</sup> / <sub>2</sub> 31 <sup>5</sup> / <sub>16</sub> 34 <sup>15</sup> / <sub>16</sub>	25 <sup>15</sup> / <sub>16</sub> 26 <sup>15</sup> / <sub>16</sub> 29 <sup>9</sup> / <sub>16</sub> 32 <sup>15</sup> / <sub>16</sub>	121
18	143/5T 182/4T 213/5T 254/6T 284/6TS	14 <sup>1</sup> / <sub>8</sub>	26	26	3	12 <sup>11</sup> / <sub>16</sub>	28 <sup>3</sup> / <sub>4</sub> 30 <sup>3</sup> / <sub>8</sub> 32 <sup>7</sup> / <sub>16</sub> 36 <sup>1</sup> / <sub>16</sub> 38 <sup>1</sup> / <sub>4</sub>	27 <sup>1</sup> / <sub>16</sub> 28 <sup>1</sup> / <sub>16</sub> 30 <sup>5</sup> / <sub>16</sub> 34 <sup>1</sup> / <sub>16</sub> 35 <sup>9</sup> / <sub>16</sub>	143
20	143/5T 182/4T 213/5T 254/6T 284/6TS	15 <sup>1</sup> / <sub>2</sub>	28 <sup>7</sup> / <sub>16</sub>	27	3	13 <sup>1</sup> / <sub>16</sub>	29 <sup>1</sup> / <sub>16</sub> 31 <sup>11</sup> / <sub>16</sub> 33 <sup>1</sup> / <sub>2</sub> 37 <sup>1</sup> / <sub>8</sub> 39 <sup>5</sup> / <sub>16</sub>	28 <sup>1</sup> / <sub>8</sub> 29 <sup>1</sup> / <sub>8</sub> 31 <sup>3</sup> / <sub>8</sub> 35 <sup>1</sup> / <sub>8</sub> 36 <sup>5</sup> / <sub>8</sub>	148
22	143/5T 182/4T 213/5T 254/6T 284/6T 284/6TS	17 <sup>1</sup> / <sub>4</sub>	31 <sup>5</sup> / <sub>16</sub>	30	3	15 <sup>3</sup> / <sub>8</sub>	31 <sup>5</sup> / <sub>16</sub> 33 <sup>3</sup> / <sub>16</sub> 35 38 <sup>5</sup> / <sub>8</sub> 42 <sup>1</sup> / <sub>2</sub> 40 <sup>1</sup> / <sub>16</sub>	29 <sup>5</sup> / <sub>8</sub> 30 <sup>5</sup> / <sub>8</sub> 32 <sup>7</sup> / <sub>8</sub> 36 <sup>5</sup> / <sub>8</sub> 38 <sup>1</sup> / <sub>8</sub> 38 <sup>1</sup> / <sub>8</sub>	171
24	182/4T 213/5T 254/6T 284/6T 324/6T	19	34 <sup>3</sup> / <sub>4</sub>	33	3	17 <sup>1</sup> / <sub>8</sub>	36 <sup>1</sup> / <sub>16</sub> 37 <sup>7</sup> / <sub>8</sub> 41 <sup>1</sup> / <sub>2</sub> 45 <sup>3</sup> / <sub>8</sub> 47 <sup>3</sup> / <sub>8</sub>	33 <sup>1</sup> / <sub>2</sub> 35 <sup>3</sup> / <sub>4</sub> 39 <sup>1</sup> / <sub>2</sub> 41 42 <sup>1</sup> / <sub>2</sub>	199
27	182/4T 213/5T 254/6T 284/6T 324/6T	20 <sup>3</sup> / <sub>4</sub>	37 <sup>3</sup> / <sub>4</sub>	36	3	18 <sup>7</sup> / <sub>8</sub>	37 <sup>3</sup> / <sub>4</sub> 39 <sup>9</sup> / <sub>16</sub> 43 <sup>3</sup> / <sub>16</sub> 47 <sup>1</sup> / <sub>16</sub> 49 <sup>1</sup> / <sub>16</sub>	35 <sup>3</sup> / <sub>16</sub> 37 <sup>7</sup> / <sub>16</sub> 41 <sup>3</sup> / <sub>16</sub> 42 <sup>11</sup> / <sub>16</sub> 44 <sup>3</sup> / <sub>16</sub>	210
30	213/5T 254/6T 284/6T 324/6T 364/5T	21 <sup>1</sup> / <sub>4</sub>	40	40	4	19 <sup>3</sup> / <sub>8</sub>	43 <sup>1</sup> / <sub>8</sub> 46 50 <sup>5</sup> / <sub>8</sub> 52 <sup>5</sup> / <sub>8</sub> 54 <sup>7</sup> / <sub>16</sub>	41 44 <sup>3</sup> / <sub>4</sub> 46 <sup>1</sup> / <sub>4</sub> 47 <sup>3</sup> / <sub>4</sub> 48 <sup>5</sup> / <sub>8</sub>	262
33	254/6T 284/6T 324/6T 364/5T	23 <sup>1</sup> / <sub>4</sub>	43	44	4	21	49 <sup>5</sup> / <sub>16</sub> 53 <sup>3</sup> / <sub>16</sub> 55 <sup>3</sup> / <sub>16</sub> 57	47 <sup>5</sup> / <sub>16</sub> 48 <sup>13</sup> / <sub>16</sub> 50 <sup>9</sup> / <sub>16</sub> 51 <sup>3</sup> / <sub>16</sub>	289
36	284/6T 324/6T 364/5T	25 <sup>7</sup> / <sub>16</sub>	48	48	5 <sup>1</sup> / <sub>4</sub>	23 <sup>5</sup> / <sub>16</sub>	55 <sup>15</sup> / <sub>16</sub> 57 <sup>15</sup> / <sub>16</sub> 59 <sup>3</sup> / <sub>4</sub>	51 <sup>9</sup> / <sub>16</sub> 53 <sup>1</sup> / <sub>16</sub> 53 <sup>15</sup> / <sub>16</sub>	333

\* Use H dimension as a guide only, as motor length varies by manufacturer.

All dimensions are for full width ECF wheels. Fans with AcF, AcFq, BC, BCq and all narrow-width wheels require custom drawings and dimensions.

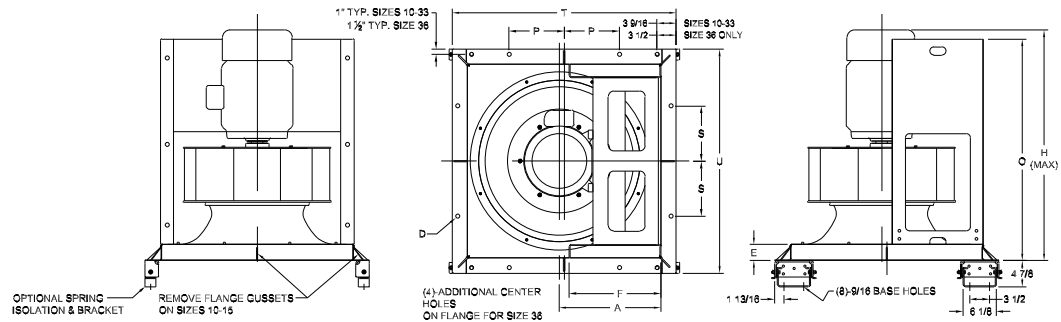
\*\* Bare fan weight in pounds less wheel and motor. Weight based on design for largest available motor frame size. For complete fan weight, add wheel weight from page six and specific motor weight.

Optional standard isolation adds approximately 1-7/8" to fan height.

# EZ ARR. 4V FLANGED INLET DIMENSIONS

## (INLET UP OR INLET DOWN ONLY)

Dimensions not to be used for construction unless certified. [All dimensions in inches]



### DIMENSIONS [INCHES]

Size	Motor Frame	A	D	E	F	H	O	S	T	U	Bare Fan Weight**
10	56 143/5T	8	1/2	2	67/8	213/4 225/16	191/8 205/8	6	2013/32	2013/32	68
12	56 143/5T 182/4T	913/16	1/2	2	83/8	233/16 233/4 255/8	209/16 221/16 231/16	7	235/8	235/8	88
13	143/5T 182/4T	1013/16	1/2	2	93/8	241/4 261/8	229/16 239/16	71/4	255/8	245/8	93
15	143/5T 182/4T 213/5T	12	1/2	2	109/16	2415/16 2613/16 285/8	231/4 241/4 201/2	8	273/4	265/8	109
16	143/5T 182/4T 213/5T 254/6T	131/4	9/16	3	1113/16	275/8 291/2 311/16 3415/16	2515/16 2615/16 293/16 3215/16	85/16	2915/16	285/8	136
18	143/5T 182/4T 213/5T 254/6T 284/6TTS	141/8	9/16	3	1211/16	283/4 305/8 327/16 361/16 381/4	271/16 281/16 305/16 341/16 359/16	713/16	315/8	315/8	159
20	143/5T 182/4T 213/5T 254/6T 284/6TTS	151/2	9/16	3	1313/16	2913/16 3111/16 331/2 371/8 395/16	281/8 291/8 313/8 351/8 365/8	85/16	341/16	325/8	165
22	143/5T 182/4T 213/5T 254/6T 284/6T 284/6TTS	171/4	9/16	3	153/8	315/16 333/16 35 385/8 421/2 4013/16	295/8 305/8 327/8 365/8 381/8 381/8	913/16	3615/16	355/8	190
24	182/4T 213/5T 254/6T 284/6T 324/6T	19	3/4	3	171/8	361/16 377/8 411/2 453/8 473/8	331/2 353/4 391/2 41 421/2	95/16	403/8	385/8	220
27	182/4T 213/5T 254/6T 284/6T 324/6T	203/4	3/4	3	187/8	373/4 399/16 433/16 471/16 491/16	353/16 377/16 413/16 4211/16 443/16	101/4	415/8	415/8	232
30	213/5T 254/6T 284/6T 324/6T 364/5T	211/4	3/4	4	193/8	431/8 463/4 505/8 525/8 547/16	41 443/4 461/4 473/4 485/8	1013/16	455/8	455/8	286
33	254/6T 284/6T 324/6T 364/5T	231/4	3/4	4	21	495/16 533/16 553/16 57	475/16 4813/16 509/16 513/16	1213/16	491/8	495/8	316
36	284/6T 324/6T 364/5T	257/16	7/8	5 1/4	235/16	5515/16 5715/16 593/4	519/16 531/16 5315/16	1713/16	535/8	535/8	362

\* Use H dimension as a guide only, as motor length varies by manufacturer.

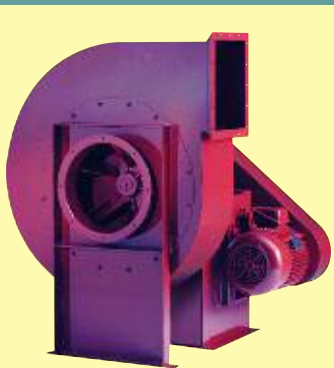
All dimensions are for full width ECF wheels. Fans with AcF, AcFq, BC, BCq and all narrow-width wheels require custom drawings and dimensions.

\*\* Bare fan weight in pounds less wheel and motor. Weight based on design for largest available motor frame size. For complete fan weight, add wheel weight from page six and specific motor weight.

Optional standard isolation adds approximately 4-7/8" to fan height.

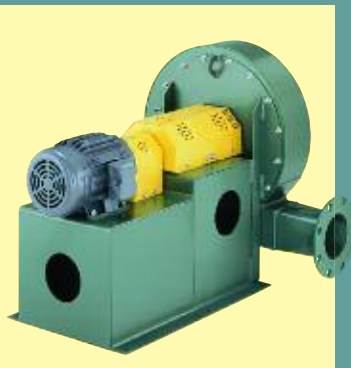
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Plug fans, plenum fans, wheels, inlet cones, and housings for a wide variety of OEM applications. Process/fan components are used in air-handling units, ovens, dryers, freezer tunnels, and filtration systems.