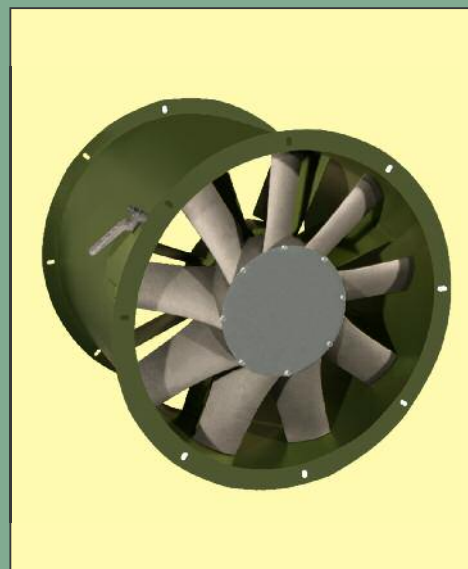
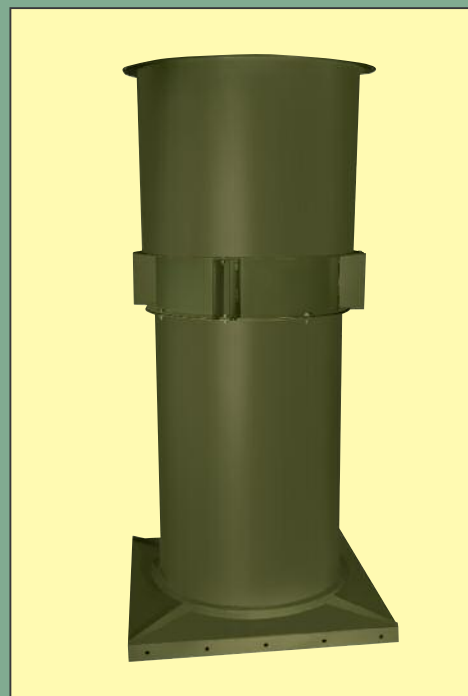
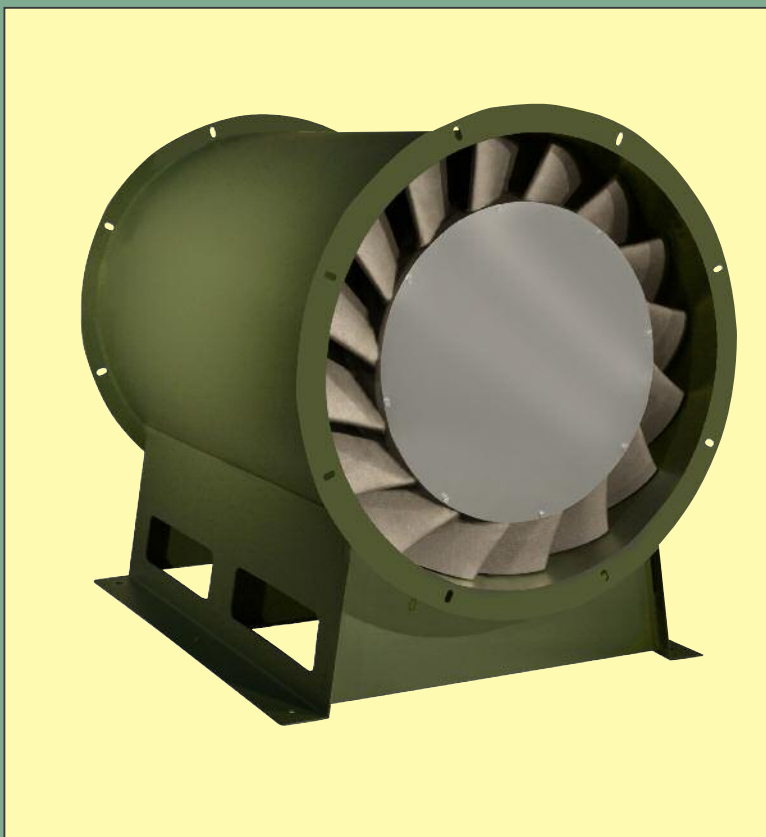


DIRECT DRIVE VANEAXIAL FIXED PITCH FANS

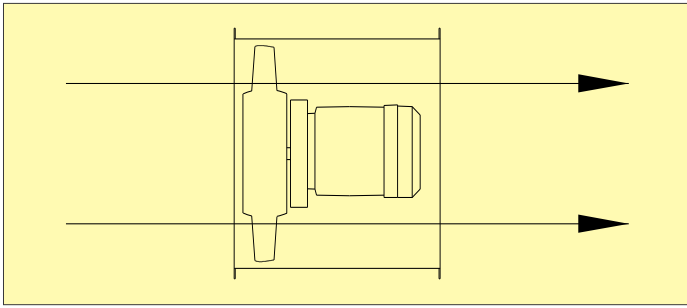


- Capacities to 100,000 CFM
- Static pressures to 8"WG
- Temperatures to 105°F.



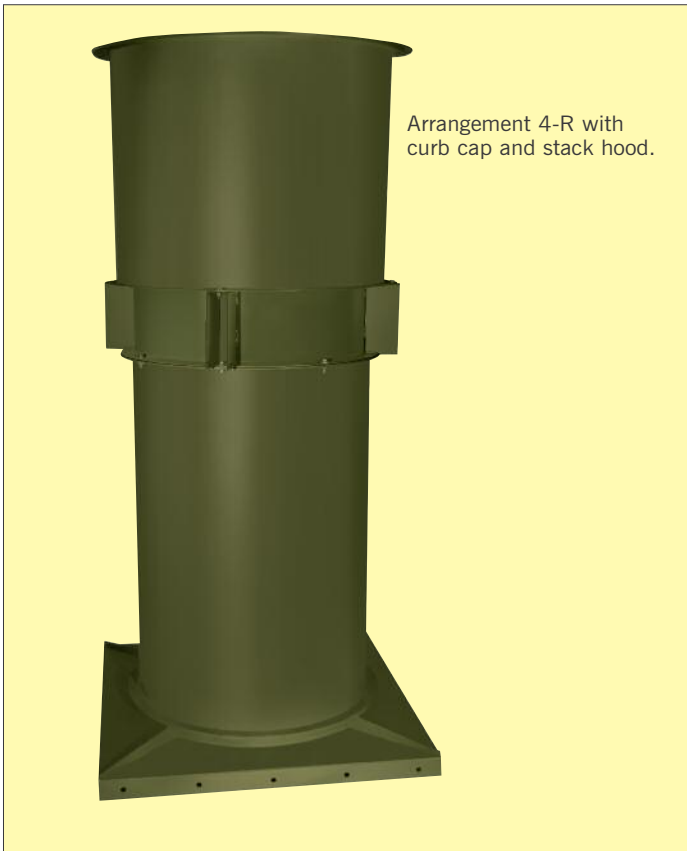
THE NEW YORK BLOWER COMPANY
7660 Quincy Street
Willowbrook, IL 60527-5530

Visit us on the Web: <http://www.nyb.com>
Phone: (800) 208-7918 Email: nyb@nyb.com



DESIGN FEATURES

- **Capacities** – to 100,000 CFM.
- **Pressures** – to 8" WG.
- **Thirteen direct-drive sizes** – 16" through 60" wheel diameters.
- **Multiple hub ratios are available** – for increased selection flexibility.
- **Choice of direct-drive configurations** – direct drive in five mounting positions.
- **Precision rolled tube** – for minimum tip clearance and maximum efficiency.
- **Blade Pitch** – Selected at time of order



DIRECT DRIVE VANEAXIAL FANS

Direct Drive Vaneaxial Fixed Pitch Fans are designed and constructed for high pressure ventilating and industrial process applications requiring the compactness of an axial fan.

CONSTRUCTION FEATURES

- **Cast aluminum wheel** – airfoil shaped blades provide highly efficient, quiet operation for clean-air applications.
- **Heavy-gauge welded components** – provide structural strength, durability, and minimal leakage.
- **Industrial finish** – **nyb** green industrial grade coating.
- **Straightening vanes** – aerodynamically designed vanes convert velocity pressure to static pressure for maximum efficiency.
- **Flanged connections** – Welded flanges with slotted holes.
- **Lubrication** – extended motor lubrication lines with external fittings provided on all direct drive Vaneaxial Fixed Pitch Fans.
- **Balance** – all wheels are precision-balanced prior to assembly. Fans with motors mounted by **nyb** are checked at the specified running speed.
- **Tapered hub with split taper bushing** – for ease in wheel removal.

SIZING NOMENCLATURE

EXAMPLE

6-digit model number designates the wheel diameter, hub size, and number of blades.

16	-	08	-	09
Wheel diameter		Hub size [inches]		Number of blades

Explore Our Full Vaneaxial Fan Line!

For Belt Drive Vaneaxial Fan options, see Vaneaxial Fixed Pitch Fan Bulletin 673.

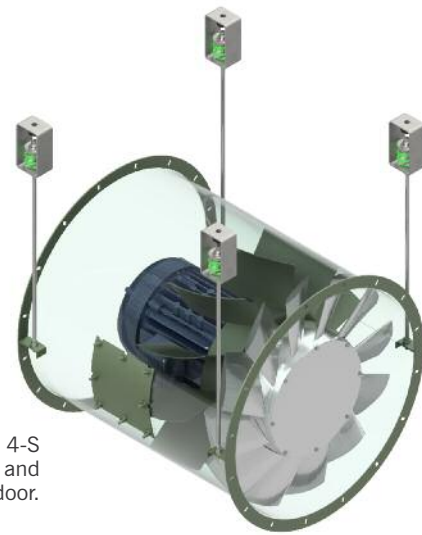
For pressure up to 20" WG, see Adjustable Pitch Vaneaxial Fan Catalog Sheet CS-674.

MOUNTING ARRANGEMENTS

Arrangement 4-D with motor and access door.

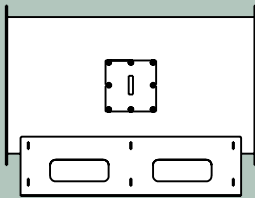


Arrangement 4-S with motor and access door.



ARRANGEMENT

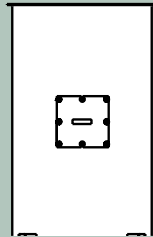
4-M
WITH
MOUNTING
LEGS



Fabricated mounting legs facilitate fan mounting on the floor, ceiling, or in a vertical position on a wall. Flange connections are standard.

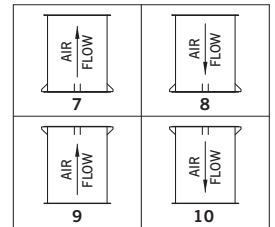
ARRANGEMENT

4-V
FOR
VERTICAL
MOUNTING



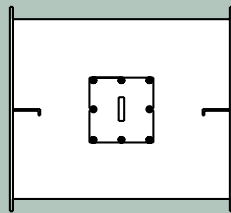
Fans are equipped with four mounting brackets suitable for floor, platform, or ceiling mounting. Flange connections are standard.

4-V Mounting Positions



ARRANGEMENT

4-S
FOR
SUSPENDED
MOUNTING



Fans for suspended mounting are equipped with side supports suitable for attachment to rods hung from the ceiling structure. Flange connections are standard.

ARRANGEMENT

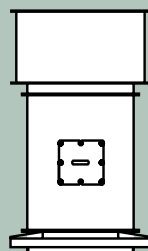
4-D
FOR
DUCT
MOUNTING



Units feature flanges on inlet and discharge for mounting to the duct work.

ARRANGEMENT

4-R
FOR
ROOF
MOUNTING



Roof-mounted fans are furnished with curb caps and collars extending below the curb cap for easy connection. Stack hoods are optional.

ACCESSORIES AND MODIFICATIONS

Arrangement 4-R with curb cap, access door, stack hood, and motor.



Arrangement 4-M VXFP fan with flanged inlet and outlet.

Protective coatings and special alloys are available to combat corrosion problems.

HOUSINGS AND STRUCTURALS

Special corrosion resistant paints and coatings are available under a variety of trade names. **nyb** works with experienced coating applicators who can apply coatings to meet a wide range of requirements.

1. STACK HOOD

Stack hood with built-in back-draft dampers for vertical outdoor exhaust applications.

2. CURB CAP

Gusseted cover with nailer holes on perimeter includes flange for vertical fan mounting.

3. ACCESS DOOR

Gasketed, latch-type door swings open on hinges after turning cam levers...bolt-on door also available...provides visual access to wheel...available in all sizes.

4. MOTORS

A wide-array of motors are available factory-mounted by **nyb**.

5. DAMPERS

Bolt-on vortex damper assembly provides volume control...for modulating systems...electric and pneumatic damper operators also available.

6. DRAINS –not shown

For horizontal mounted fans...drain located at the lowest point of the housing tube.

7. INLET BELL WITH GUARD –not shown

Inlet bell minimizes losses associated with non-ducted inlet applications. Includes wire guard.

8. VIBRATION ISOLATION –not shown

Rubber-in-shear or spring-type isolation mounts reduce the transmission of vibration to the mounting structure.

9. SAFETY EQUIPMENT –not shown

Inlet and outlet guards are available. Selection of appropriate safety accessories is the responsibility of the system designer familiar with the specific installation.

10. COMPANION FLANGES –not shown

Fit flush with fan inlet and outlet flanges, provided with matching hole pattern.

11. MOTOR CONDUIT BOX –not shown

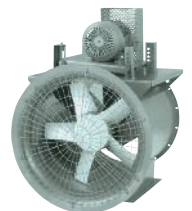
External mount of conduit box for increased fan efficiencies is available.

Solutions For Lower Pressures:

If your system requires lower pressures, consider **nyb's** Duct and Tubeaxial fan lines. You can learn more about these product lines by viewing bulletins 651 & 661, respectively.

Features include:

- Capacities up to 86,000 CFM
- Temperatures up to 350°F
- Static Pressures to 3" WG
- Direct or belt driven



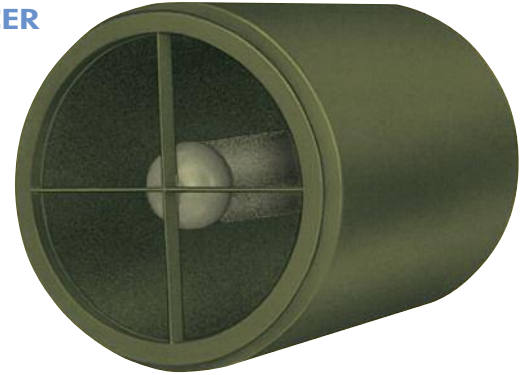
ACCESSORY PERFORMANCE

INLET BELL

Catalog ratings shown in this bulletin are for Vaneaxial Fixed Pitch Fans with free inlet and ducted outlet. When no inlet duct is used, entrance loss must be added to the static pressure calculated for the system. For bare inlets, that loss is equal to the fan velocity pressure. **Example:** 4200 FPM velocity = 1.1"WG [see Chart I at right]. Inlet bells render such loss negligible and are available at nominal cost. Sizes 12 through 48 constructed of fiberglass reinforced plastic; Sizes 54 and 60 constructed of steel.

CHART I VELOCITY PRESSURE	
Velocity [FPM]	VP
1000	.062
1400	.122
1800	.202
2200	.301
2600	.421
3000	.560
3400	.719
3800	.899
4200	1.098
4600	1.317
5000	1.556
5400	1.815
5800	2.093
6200	2.392

SILENCER



Available for all sizes of Direct Drive Vaneaxial Fixed Pitch Fans with matching standard flanges for either inlet or outlet applications. Silencers are available in two sizes to better match system cost as well as sound attenuation parameters. All silencers utilize heavy-welded steel construction filled with high-density acoustical absorption material. For more detailed application information and attenuation performance, refer to Engineering Supplement ES-673.

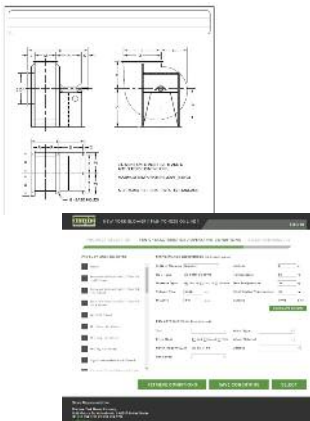
SAFETY EQUIPMENT

Safe operation of air-moving equipment is dependent on proper installation and maintenance. This includes selection and use of appropriate safety accessories for the specific installation. Such safety accessories are available from **nyb**. However, selection of the appropriate devices is the responsibility of the system designer who must be aware of the fan location, fan accessibility in the particular installation, and adjacent equipment. Neither **nyb** nor its sales representatives are in a position to make such a determina-

tion. The system designer must consider providing guards for all exposed moving parts as well as protection from access to high velocity airstreams. Improper application, installation, maintenance, or safety guard selection can create danger to life and limb of personnel. Users and/or installers should read "Recommended Safety Practices for Air Moving Devices" as published by the Air Movement and Control Association, 30 West University Drive, Arlington Heights, Illinois 60004.

FAN TO SIZE AND DRAWINGS ON DEMAND

Fan to Size online allows customers to select fans without the need to download software on their computers or tablets. Fans can be selected by product categories, types or applications. Additionally, drawings are generated to supplement fan selections.



FAN TO SIZE SELECTION BENEFITS

- Compare multiple product lines.
- Metric or English units.
- Add silencers.
- Add accessories.
- Save data for future use.
- Calculate density based on rarefaction, compression, and molecular weight.

DRAWINGS ON DEMAND BENEFITS

- Generate drawing package specifically tailored to the user's application requirements.
- Fan-performance curves.
- Select fan's rotation, discharge position, motor frame size and u-base.
- Add accessories (dampers, silencers, stack hoods, curb caps)
- Installation and Maintenance Manuals.

How to Use Capacity Tables

For a given fan size, CFM, and static pressure, capacity tables can be used to obtain outlet velocity, fan RPM, and BHP.

PROCEDURES	STEPS	EXAMPLE: A direct-drive fan is required for 22000 CFM at 0.75"WG at 105°F and 6000 feet above sea level.
If conditions other than standard are involved, correct static pressure for actual altitude and temperature using Chart IV.	1	Chart IV gives a 1.33 factor for 105°F and 6000 feet. Corrected SP is 0.75"WG x 1.33 = 1"WG at 70°F and sea level. Select fan from capacity tables for 22000 CFM at 1"WG.
Select size, RPM, and BHP of fan from capacity table.	2	A Size 32-20-12 with a 40° blade angle is selected for 22000 CFM at 1"WG at 1750 RPM and 14.2 BHP.
Check maximum safe speed of fan at operating temperatures as shown in Charts II or III.	3	From Chart II and III, the maximum safe speed for a Size 32-20-12 fan at 105°F is 2332 RPM (2380 x .98). Fan is satisfactory for operation at 105°F.
Determine actual performance at operating conditions by correcting SP and BHP.	4	Actual performance: 21978 CFM at 0.75"WG (1" ÷ 1.33) at 1750 RPM at 10.7 BHP (14.2 ÷ 1.33) at 105°F and 6000 feet above sea level.

*For more selection information, please visit www.nyb.com/online-fan-selection-software/

MAXIMUM SAFE SPEED INFORMATION

Chart II details maximum safe speed of standard wheels at 70°F. When temperatures are involved, multiply the appropriate safe operating speed shown in Chart II by the factor shown in Chart III. Maximum operating temperature for standard fans is 105°F.

CHART II

MAXIMUM WHEEL SAFE SPEEDS FOR TEMPERATURES at or below 70°F

Maximum operating speeds apply only to wheels operated at or below stated temperature and free of material build-up, corrosion, or wear.

Size	RPM	Size	RPM
16-12-12	4300	32-16-09	2380
18-08-09	4500	32-20-12	2380
18-12-12	4200	36-16-09	2130
21-08-09	3900	36-20-12	2130
21-12-12	3900	36-26-15	2130
21-16-16	3600	38-16-09	2020
24-12-09	3600	38-20-12	1800
24-16-12	3170	38-26-15	2020
27-12-09	3000	42-20-09	1800
27-16-12	3000	42-26-12	1800
27-20-16	3000	48-20-09	1600
29-12-09	2760	48-26-12	1600
29-16-12	2760	54-26-09	1385
29-20-16	2760	60-26-09	1200

CHART III

TEMPERATURE CORRECTION FACTORS FOR WHEEL SAFE SPEEDS

Temp. °F	Aluminum Wheel
-50	1.00
70	1.00
105	.98

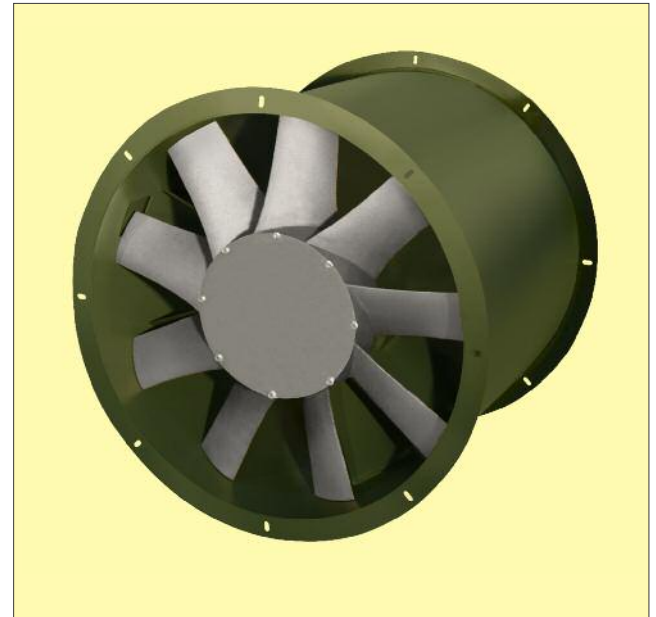
* nyb recommends low temperature motor grease for applications below 20°F

CHART IV CORRECTION FACTORS FOR TEMPERATURE AND ALTITUDE

Temperature °F	Altitude—feet above sea level												
	0	500	1000	1500	2000	3000	4000	5000	6000	7000	8000	9000	10000
-50	.77	.79	.80	.82	.83	.86	.89	.92	.96	1.00	1.04	1.08	1.12
-25	.82	.84	.85	.87	.89	.92	.95	.98	1.03	1.07	1.11	1.15	1.19
0	.87	.89	.91	.92	.94	.97	1.01	1.04	1.09	1.13	1.18	1.22	1.26
20	.91	.93	.95	.97	.98	1.02	1.06	1.09	1.14	1.18	1.23	1.27	1.32
40	.94	.96	.98	1.00	1.02	1.05	1.09	1.13	1.18	1.22	1.27	1.32	1.36
60	.98	1.00	1.02	1.04	1.06	1.10	1.14	1.18	1.23	1.27	1.32	1.37	1.42
70	1.00	1.02	1.04	1.06	1.08	1.12	1.16	1.20	1.25	1.30	1.35	1.40	1.45
80	1.02	1.04	1.06	1.08	1.10	1.14	1.18	1.22	1.28	1.33	1.38	1.43	1.48
105	1.06	1.08	1.10	1.12	1.15	1.19	1.23	1.27	1.33	1.38	1.43	1.48	1.54

DIRECT DRIVE VANEAXIAL FIXED PITCH FANS

Direct Drive Vaneaxial Fixed Pitch Fans are available in sizes 16 through 60. In the event that system pressures or flow requirements change, Direct Drive Vaneaxial Fan performance can be altered by changing to a new wheel with a different blade pitch.



SIZE 16 12-12	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/4"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1725 3500	1285 2727	0.21 1.53	1203 2688	0.25 1.60	1098 2649	0.28 1.67	-	-	-	-	-	-	-	-	-	-	-	-
40°	1725 3500	2339 4910	0.49 3.87	2223 4857	0.53 3.96	2105 4804	0.57 4.04	1964 4751	0.60 4.12	1793 4699	0.63 4.21	-	-	4643 4.29	4524 4.43	4411 4.62	4293 4.78	-	-	-	-	
55°	1725 3500	3265 6832	1.05 8.63	3119 6767	1.07 8.67	2963 6701	1.09 8.72	2800 6633	1.10 8.78	2609 6561	1.12 8.84	-	-	6488 8.88	6346 8.90	6190 8.99	6039 9.08	-	-	-	-	

SIZE 18 08-09	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1725 3500	2055 4571	0.30 2.02	1685 4446	0.34 2.17	-	-	4318 2.32	4185 2.46	-	-	3874 2.67	3469 2.81	3047 2.91	2536 2.94	-	-	-	-
40°	1725 3500	3895 8373	0.67 5.10	3548 8225	0.73 5.26	3075 8078	0.75 5.42	-	-	7921 5.56	7596 5.79	-	-	7245 6.04	6830 6.24	6337 6.27	-	-	-	-		
50°	1725 3500	4905 10521	1.15 9.33	4477 10338	1.18 9.42	3865 10156	1.18 9.50	-	-	9974 9.58	9567 9.72	-	-	9134 9.82	8674 9.95	8013 9.95	-	-	-	-		

SIZE 18 12-12	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1725 3500	2187 4622	0.35 2.46	2056 4559	0.41 2.61	1919 4496	0.47 2.76	1655 4444	0.51 2.88	-	-	4318 3.14	4185 3.41	4065 3.67	3918 3.91	3766 4.13	-	-	-
40°	1725 3500	3944 8240	0.91 7.14	3795 8165	0.98 7.30	3627 8088	1.05 7.46	3443 8011	1.11 7.60	2913 7864	1.19 7.90	-	-	7718 8.19	7559 8.48	7389 8.77	-	-	-	-		
45°	1725 3500	4464 9345	1.13 9.12	4299 9250	1.19 9.17	4116 9145	1.26 9.23	3902 9066	1.31 9.44	3421 8919	1.40 9.79	-	-	8747 9.95	8536 10.1	8376 10.4	8197 10.8	-	-	-		

SIZE 21 08-09	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1725 3500	2516 5824	0.35 2.47	2006 5572	0.41 2.62	-	-	5337 2.76	5130 2.91	-	-	4658 3.14	4142 3.39	-	-	-	-	-	-
40°	1725 3500	5571 11913	1.00 7.77	5111 11719	1.09 7.96	4545 11526	1.15 8.15	3413 11327	1.12 8.34	10878 8.69	10423 9.04	-	-	9947 9.36	9339 9.57	8647 9.73	-	-	-	-		
50°	1725 3500	7172 15281	1.78 14.3	6653 15045	1.86 14.5	6051 14815	1.90 14.7	14851 14.9	14093 15.2	13564 15.5	13031 15.7	-	-	12401 15.9	11599 16.0	-	-	-	-	-		

Performance certified is for installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

PERFORMANCE FOR DIRECT DRIVE VANEAXIAL FIXED PITCH FANS

SIZE 21 12-12	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1725 3500	3767 7897	0.55 4.20	3595 7811	0.72 4.55	3412 7731	0.82 4.79	3139 7653	0.91 5.04	-	-	-	-	7115	6.35	6950	6.76	6757	7.19
40°	1725 3500	6758 14032	1.78 14.0	6537 13929	1.91 14.3	6292 13827	2.01 14.5	6052 13724	2.14 14.8	5327 13513	2.27 15.4	13291	15.86	13049	16.3	12807	16.7	12576	17.2			
45°	1725 3500	5482 -	2.52 -	5362 11247	2.61 20.7	5239 11189	2.67 20.8	5111 11132	2.76 21.0	4800 11012	2.88 21.4	4433	2.96	4303	2.82	10783	22.0	10651	22.3	10528	22.6	

SIZE 21 16-16	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			35°	1725 3500	4007 8296	1.34 10.7	3910 8245	1.42 10.9	3819 8190	1.51 11.0	3709 8137	1.60 11.2	3438 8039	1.75 11.6	2866	1.74	7945	11.9	7852	12.1	7764	12.5
40°	1725 3500	4756 9807	1.77 14.2	4640 9759	1.85 14.4	4536 9709	1.94 14.6	4427 9657	2.04 14.8	4140 9538	2.18 15.1	3777	2.28	9425	15.4	9334	15.9	9224	16.2	9121	16.6	
45°	1725 3500	6930 14241	4.04 33.2	6808 14179	4.13 33.3	6650 14123	4.16 33.5	6488 14067	4.18 33.7	6163 13955	4.29 34.2	5767	4.33	13828	34.5	13681	34.6	13520	34.7	13360	34.8	

SIZE 24 12-09	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	3619 5945	0.31 0.91	2908 5617	0.39 1.06	-	-	5246	1.19	4793	1.31	3491	1.42	-	-	-	-	-	-
40°	1150 1750	6590 10523	0.92 3.04	5879 10147	1.03 3.20	-	-	9758	3.40	9279	3.55	8105	3.76	-	-	-	-	-	-	-	-	
45°	1150 1750	7373 11772	1.27 4.31	6579 11351	1.36 4.43	5833	1.36	10920	4.60	10391	4.73	9054	4.80	-	-	-	-	-	-	-	-	

SIZE 24 16-12	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	3641 5728	0.32 0.99	3383 5586	0.43 1.10	3045	0.53	5437	1.23	5267	1.39	4889	1.69	4217	2.01	-	-	-	-
40°	1150 1750	6506 10155	1.18 3.93	6213 9962	1.29 4.10	5888	1.40	9768	4.27	9575	4.43	9178	4.77	8679	5.05	8056	5.24	-	-	-	-	
45°	1150 1750	7345 11467	1.46 4.93	7016 11247	1.56 5.08	6691	1.66	11028	5.24	10812	5.39	10383	5.69	9894	5.97	9211	6.17	-	-	-	-	

SIZE 27 12-09	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	4400 7296	0.39 1.15	3562 6832	0.48 1.32	2415	0.51	6349	1.48	5800	1.61	4250	1.74	3132	1.89	1726	1.92	-	-
40°	1150 1750	9008 14299	1.32 4.36	8111 13843	1.45 4.58	6986	1.53	13340	4.80	12736	4.97	11377	5.28	9217	5.27	-	-	-	-	-	-	
45°	1150 1750	10092 16060	1.87 6.35	9092 15535	1.96 6.55	7845	2.01	14957	6.66	14312	6.85	12778	7.02	-	-	-	-	-	-	-	-	

SIZE 27 16-12	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	5637 8829	0.60 1.87	5305 8640	0.76 2.06	4942	0.93	8443	2.29	8226	2.54	7750	3.00	7171	3.59	-	-	-	-
40°	1150 1750	9884 15390	1.99 6.62	9439 15124	2.16 6.92	8939	2.30	14855	7.21	14552	7.45	13937	7.93	13187	8.27	12332	8.67	11878	8.82	-	-	
45°	1150 1750	11283 17568	2.73 9.32	10816 17266	2.91 9.56	10292	3.05	16965	9.80	16657	10.1	16011	10.6	15219	10.9	14300	11.2	13244	11.4	11524	11.0	

Performance certified is for installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

PERFORMANCE FOR DIRECT DRIVE VANEAXIAL FIXED PITCH FANS

SIZE 27 20-16	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	4007 6253	0.72 2.31	3830 6134	0.84 2.49	3627 6021	0.95 2.68	3366 5905	1.04 2.85	-	-	5656	3.19	5352	3.49	4957	3.75	4302	3.90
40°	1150 1750	6497 10077	1.57 5.28	6277 9931	1.71 5.46	6023 9795	1.83 5.68	5747 9654	1.94 5.91	4931 9325	2.06 6.26	-	-	8979	6.61	8592	6.93	8118	7.14	-	-	
45°	1150 1750	7836 12142	2.52 8.66	7594 11976	2.64 8.81	7315 11817	2.73 8.99	7014 11659	2.82 9.18	6225 11311	2.92 9.50	-	-	10930	9.78	10730	10.0	10038	10.2	9435	10.3	

SIZE 29 12-09	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	4603 7776	0.41 1.29	3587 7190	0.51 1.44	-	-	-	-	5919	1.77	-	-	-	-	-	-	-	-
40°	1150 1750	9818 15596	1.42 4.67	8779 15111	1.56 4.93	7448 14502	1.66 5.14	-	-	13771	5.33	12297	5.78	10117	5.77	-	-	-	-	-	-	
45°	1150 1750	11458 18252	2.15 7.28	10351 17633	2.26 7.50	8838 17000	2.27 7.71	-	-	16269	7.89	14517	8.02	-	-	-	-	-	-	-	-	

SIZE 29 16-12	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	6825 10680	0.97 3.01	6460 10458	1.16 3.31	6020 10229	1.34 3.61	5412 9989	1.49 3.90	-	-	9457	4.46	8785	4.97	7776	5.32	-	-
40°	1150 1750	12172 18491	2.79 9.34	11588 18627	2.97 9.72	11031 18282	3.15 10.1	10393 17892	3.37 10.4	8198 17127	3.50 10.8	-	-	16366	11.49	15462	12.0	14305	12.4	-	-	
45°	1150 1750	13794 21458	3.93 13.5	13169 21108	4.05 13.76	12553 20725	4.20 14.0	11840 20306	4.36 14.2	9619 19488	4.37 14.6	-	-	18633	15.1	17615	15.5	16360	15.7	14275	15.3	

SIZE 29 20-16	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	5547 8629	1.07 3.43	5318 8493	1.22 3.68	5081 8329	1.39 3.95	4800 8189	1.53 4.19	-	-	7875	4.69	7558	5.15	7152	5.55	6489	5.85
40°	1150 1750	9978 15412	2.75 9.42	9676 15239	2.97 9.62	9358 15060	3.13 9.87	9004 14853	3.30 10.3	8133 14455	3.53 10.8	-	-	13993	11.3	13519	11.8	13012	12.2	-	-	
45°	1150 1750	11427 17638	3.91 13.6	11083 17448	4.06 13.8	10756 17249	4.22 13.9	10375 17010	4.35 14.1	9472 16588	4.54 14.7	-	-	18139	15.1	16096	15.5	15590	15.5	15015	15.7	

SIZE 32 16-09	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	9498 14984	1.13 3.41	8823 14583	1.36 3.84	8009 14162	1.61 4.24	-	-	13713	4.57	12681	5.36	11493	5.91	-	-	-	-
40°	1150 1750	17093 26626	3.70 12.5	16315 26159	3.99 12.9	15326 25691	4.21 13.3	14278 25174	4.41 13.8	-	-	24003	14.6	22608	15.2	21085	15.6	18609	15.6	-	-	
45°	1150 1750	20659 32519	5.69 19.8	19332 31697	5.80 20.0	17624 30871	5.70 20.1	15066 29997	5.30 20.3	-	-	27985	20.3	25518	19.9	-	-	-	-	-	-	

SIZE 32 20-12	Blade Angle	RPM	1/4"SP		1/2"SP		3/4"SP		1"SP		1 1/2"SP		2"SP		2 1/2"SP		3"SP		3 1/2"SP			
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
			25°	1150 1750	7481 11692	1.28 4.05	7148 11463	1.52 4.41	6807 11219	1.74 4.78	6462 11006	1.95 5.13	-	-	10570	5.82	10134	6.46	9606	7.11	8768	7.55
40°	1150 1750	14812 22406	4.25 13.5	14451 22118	4.51 14.0	14024 21866	4.80 14.4	13514 21626	5.12 14.7	12505 21106	5.57 15.5	-	-	20399	16.6	20092	17.0	19196	18.0	18320	18.7	
45°	1150 1750	16671 25763	5.78 19.8	16264 25459	6.02 20.2	15774 25185	6.26 20.6	15226 24919	6.53 21.0	14070 24341	6.91 21.7	-	-	23602	22.5	22943	23.3	22278	23.9	21360	24.4	

Performance certified is for installation Type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).

MATERIAL SPECIFICATIONS

Dimensions in inches. Weights in pounds. WR² in lb.-ft.². Tolerance: ±1/8"

Size	Bushing	No. of blades	Wheel weight	Wheel WR ²	Housing Weight	Approximate Bare Fan Weight (Less Motor)				
						4D	4M	4R	4S	4V
16-12-12	SDS	12	22.8	4.8	92	120	140	155	120	120
18-08-09	SDS	9	14.0	2.3	70	85	105	125	85	90
18-12-12	SDS	12	25.5	6.8	103	135	155	170	135	135
21-08-09	SDS	9	15.0	3.0	85	100	125	145	100	100
21-12-12	SDS	12	27.8	8.8	120	150	180	195	150	155
21-16-16	Q1	16	57.0	24.5	155	215	250	260	215	215
24-12-09	SDS	9	28.3	10.0	130	160	195	210	160	165
24-16-12	Q1	12	58.5	29.0	175	235	275	285	240	240
27-12-09	SDS	9	30.0	12.3	145	175	215	230	175	180
27-16-12	Q1	12	65.0	37.8	200	265	310	320	265	265
27-20-16	Q1	16	91.0	68.0	255	350	405	405	350	350
29-12-09	SDS	9	31.3	13.5	153	190	230	250	190	195
29-16-12	Q1	12	66.5	42.5	210	280	330	340	280	285
29-20-16	Q1	16	94.5	75.0	270	365	425	425	370	370
32-16-09	Q1	9	68.5	47.5	220	290	350	375	190	295
32-20-12	Q1	12	106.5	90.0	296	410	470	490	405	410
36-16-09	Q1	9	74.5	61.0	255	330	395	430	330	335
36-20-12	Q1	12	116.0	115.0	339	460	530	560	460	465
36-26-15	R1	15	232.5	268.0	412	650	730	750	650	655
38-16-09	Q1	9	70.0	62.0	325	395	495	515	400	400
38-20-12	Q1	12	120.0	123.0	425	545	655	665	550	555
38-26-15	R1	15	205.5	250.0	515	720	845	840	725	730
42-20-09	Q1	9	131.0	141.0	449	585	705	705	585	590
42-26-12	R1	12	245.5	324.0	584	835	970	955	835	840
48-20-09	Q1	9	122.0	147.0	511	640	785	780	640	640
48-26-12	R1	12	258.5	394.0	680	940	1105	1080	940	945
54-26-09	R1	9	245.5	399.0	732	985	1175	1180	985	990
60-26-09	R1	9	260.0	460.0	820	1080	1315	1305	1080	1085

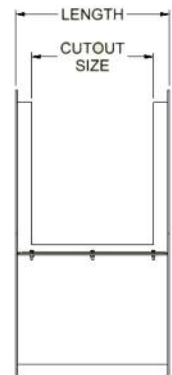
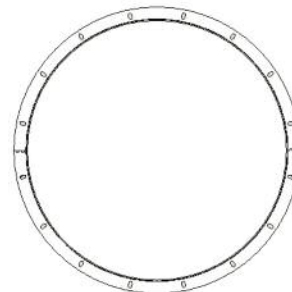
Wheel weight includes bushing.

†4R weights are for fan and curb cap. Does not include weights for stack hood.

FAN ACCESS SECTION

Optional Fan Access Section can be mounted to the fan's inlet or outlet and allows access to the fan wheel and motor end bell. Panel behind removable door is partially cut and requires grinder to cut fixturing tabs before gaining access.

Size	Length	Cutout Size	Weight	Size	Length	Cutout Size	Weight
16-08-09	11½	7½	44	27-12-09	13	9	79
16-12-12	13	9	49	27-16-12	16	12	95
18-08-09	11½	7½	49	27-20-16	19¼	15¼	112
18-12-12	13	9	55	29-12-09	13	9	84
21-08-09	11½	7½	57	29-16-12	16	12	101
21-12-12	13	9	63	29-20-16	19¼	15¼	120
21-16-16	16	12	75	32-16-09	16	12	112
24-12-09	13	9	71	32-20-12	19¼	15¼	132
24-16-12	16	12	85				



MATERIAL SPECIFICATIONS

Dimensions in inches. Weights in pounds. WR² in lb.-ft.². Tolerance: ±1/8"

MOTOR SIZE CAPABILITY

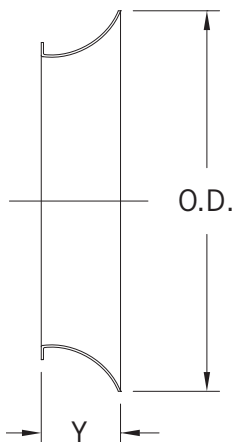
FAN FLANGE DIMENSIONS

Size	Maximum Frame Size	Size	Flange Gauge	Fan I.D.	Bolting Circle	Flange O.D.	Flange Slots*	
							No.	Size
16-12-12	215TC	16-12-12	7	16 ¹ / ₄	18	19 ⁵ / ₈	8	7/16 x 13/16
18-08-09	145TC	18-08-09	7	18 ¹ / ₄	20	21 ⁵ / ₈	8	7/16 x 13/16
18-12-12	215TC	18-12-12	7	18 ¹ / ₄	20	21 ⁵ / ₈	8	7/16 x 13/16
21-08-09	145TC	21-08-09	7	21 ³ / ₁₆	23	24 ⁵ / ₈	8	7/16 x 13/16
21-12-12	215TC	21-12-12	7	21 ³ / ₁₆	23	24 ⁵ / ₈	8	7/16 x 13/16
21-16-16	286TC	21-16-16	7	21 ³ / ₁₆	23	24 ⁵ / ₈	8	7/16 x 13/16
24-12-09	215TC	24-12-09	7	24 ³ / ₈	26 ¹ / ₈	27 ³ / ₄	8	7/16 x 13/16
24-16-12	286TC	24-16-12	7	24 ³ / ₈	26 ¹ / ₈	27 ³ / ₄	8	7/16 x 13/16
27-12-09	215TC	27-12-09	7	27 ³ / ₈	29 ¹ / ₈	30 ³ / ₄	8	7/16 x 13/16
27-16-12	286TC	27-16-12	7	27 ³ / ₈	29 ¹ / ₈	30 ³ / ₄	8	7/16 x 13/16
27-20-16	365TC	27-20-16	7	27 ³ / ₈	29 ¹ / ₈	30 ³ / ₄	8	7/16 x 13/16
29-12-09	215TC	29-12-09	7	29 ³ / ₁₆	31	32 ⁵ / ₈	16	7/16 x 13/16
29-16-12	286TC	29-16-12	7	29 ³ / ₁₆	31	32 ⁵ / ₈	16	7/16 x 13/16
29-20-16	365TC	29-20-16	7	29 ³ / ₁₆	31	32 ⁵ / ₈	16	7/16 x 13/16
32-16-09	286TC	32-16-09	7	32 ¹ / ₂	34 ¹ / ₄	35 ⁷ / ₈	16	7/16 x 13/16
32-20-12	365TC	32-20-12	7	32 ¹ / ₂	34 ¹ / ₄	35 ⁷ / ₈	16	7/16 x 13/16
36-16-09	286TC	36-16-09	7	36 ¹ / ₂	38 ⁵ / ₁₆	41	16	7/16 x 13/16
36-20-12	365TC	36-20-12	7	36 ¹ / ₂	38 ⁵ / ₁₆	41	16	7/16 x 13/16
36-26-15	445T	36-26-15	7	36 ¹ / ₂	38 ⁵ / ₁₆	41	16	7/16 x 13/16
38-16-09	286TC	38-16-09	1/4	38	40 ¹ / ₄	42 ¹ / ₂	16	9/16 x 1
38-20-12	365TC	38-20-12	1/4	38	40 ¹ / ₄	42 ¹ / ₂	16	9/16 x 1
38-26-15	445T	38-26-15	1/4	38	40 ¹ / ₄	42 ¹ / ₂	16	9/16 x 1
42-20-09	365TC	42-20-09	1/4	42 ³ / ₄	45	47 ¹ / ₄	16	9/16 x 1
42-26-12	445T	42-26-12	1/4	42 ³ / ₄	45	47 ¹ / ₄	16	9/16 x 1
48-20-09	365TC	48-20-09	1/4	48 ³ / ₄	51	53 ³ / ₈	16	9/16 x 1
48-26-12	445T	48-26-12	1/4	48 ³ / ₄	51	53 ³ / ₈	16	9/16 x 1
54-26-09	445T	54-26-09	1/4	50 ⁷ / ₈	57 ⁷ / ₁₆	59 ⁵ / ₈	16	9/16 x 1
60-26-09	445T	60-26-09	1/4	50 ⁷ / ₈	63 ⁷ / ₁₆	65 ⁵ / ₈	16	9/16 x 1

Maximum frame sizes are listed per size.

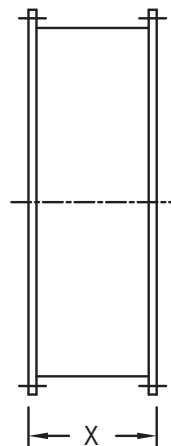
*Slots spaced equally, straddling centerline.

INLET BELL DIMENSIONS



Size	Y	O.D.
16	2 ¹⁵ / ₁₆	21 ³ / ₄
18	3 ³ / ₁₆	24 ¹ / ₄
21	3 ¹¹ / ₁₆	28 ¹ / ₄
24	4 ¹ / ₁₆	32 ¹ / ₈
27	4 ¹¹ / ₁₆	36 ³ / ₈
29	5	38 ⁷ / ₈
32	5 ³ / ₄	43 ¹ / ₂
36	6 ¹ / ₄	48 ¹ / ₂
38	6 ⁵ / ₈	50 ⁷ / ₈
42	7 ¹ / ₄	56 ³ / ₄
48	8 ¹ / ₄	64 ³ / ₄
54	9 ¹ / ₈	73
60	10 ¹ / ₈	81

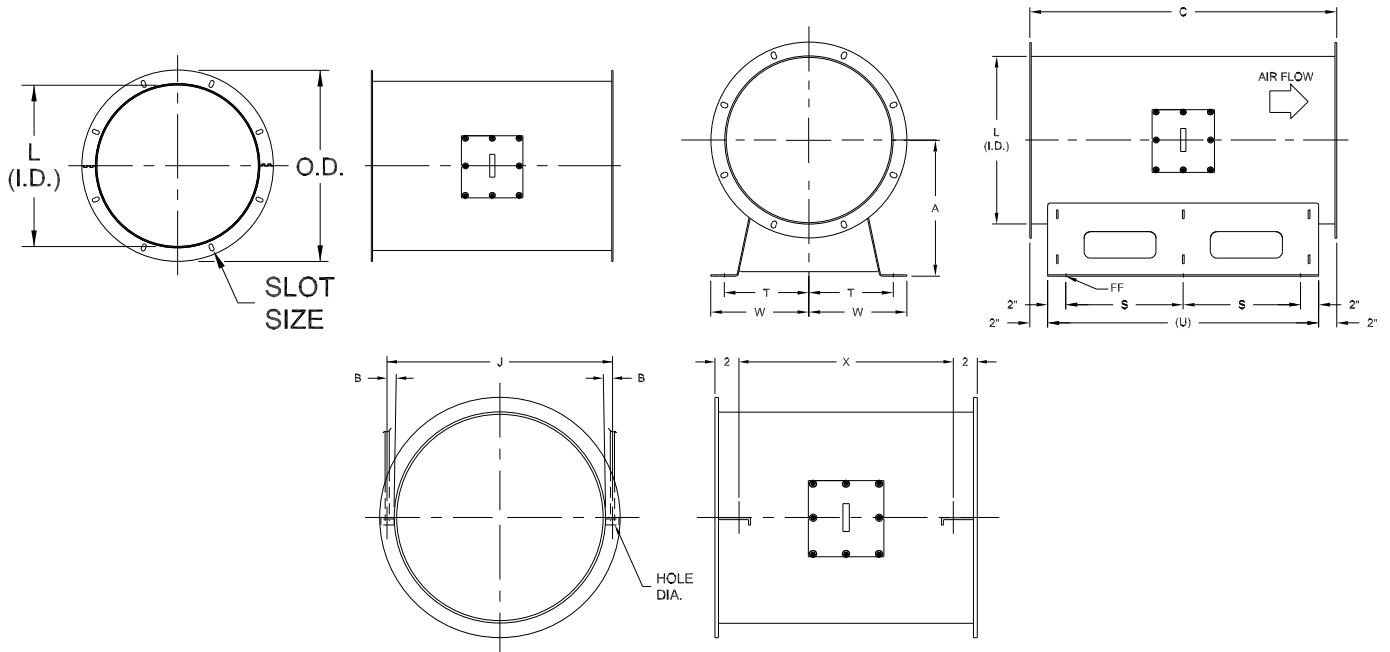
INLET VANE DAMPER DIMENSIONS



Size	X	
	Type A	Type B
16	9	12
18	10	12
21	10	12
24	10	12
27	10	12
29	10	12
32	10	12
36	10	12
38	10	12
42	11	12
48	11	12
54	11	12
60	12	12

DIMENSIONS

ARRANGEMENTS 4-M, 4-S, AND 4-D



DIMENSIONS [INCHES]

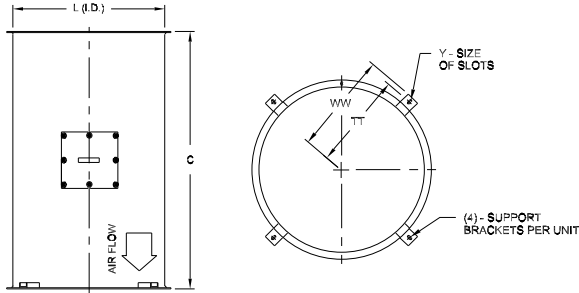
Size	General		Arrangement 4D				Arrangement 4S				Arrangement 4M					
	C	L	BC	Flange O.D.	Flange Slots		B	J	X	Mounting Hole Diam.	A	U	S	T	W	FF
					Qty.	Size										
16-12-12	25½	16¼	18	19⅝	8	7/16x13/16	¾	18	21½	9/16	13½	21½	8¾	85/16	913/16	9/16
18-08-09	19¼	18¼	20	21⅝	8	7/16x13/16	¾	20	15¼	9/16	15	15¼	5⅝	95/16	1013/16	9/16
18-12-12	25½	18¼	20	21⅝	8	7/16x13/16	¾	20	21½	9/16	15	21½	8¾	95/16	1013/16	9/16
21-08-09	19¼	213/16	23	24⅝	8	7/16x13/16	¾	23	15¼	9/16	16½	15¼	5⅝	1013/16	125/16	9/16
21-12-12	25½	213/16	23	24⅝	8	7/16x13/16	¾	23	21½	9/16	16½	21½	8¾	1013/16	125/16	9/16
21-16-16	34¼	213/16	23	24⅝	8	7/16x13/16	¾	23	30¼	9/16	16½	30¼	13⅞	1013/16	125/16	9/16
24-12-09	25½	24⅝	26⅞	27¾	8	7/16x13/16	¾	26⅞	21½	9/16	18½	21½	8¾	12¾	137/8	9/16
24-16-12	34¼	24⅝	26⅞	27¾	8	7/16x13/16	¾	26⅞	30¼	9/16	18½	30¼	13⅞	12¾	137/8	9/16
27-12-09	25½	27⅝	29⅞	30¾	8	7/16x13/16	¾	29⅞	21½	9/16	20½	21½	8¾	137/8	15¾	9/16
27-16-12	34¼	27⅝	29⅞	30¾	8	7/16x13/16	¾	29⅞	30¼	9/16	20½	30¼	13⅞	137/8	15¾	9/16
27-20-16	40¾	27⅝	29⅞	30¾	8	7/16x13/16	¾	29⅞	36¾	9/16	20½	36¾	16¾	137/8	15¾	9/16
29-12-09	25½	293/16	31	32⅝	16	7/16x13/16	¾	31	21½	9/16	22	21½	8¾	1413/16	165/16	9/16
29-16-12	34¼	293/16	31	32⅝	16	7/16x13/16	¾	31	30¼	9/16	22	30¼	13⅞	1413/16	165/16	9/16
29-20-16	40¾	293/16	31	32⅝	16	7/16x13/16	¾	31	36¾	9/16	22	36¾	16¾	1413/16	165/16	9/16
32-16-09	34¼	19¼	34¼	35⅞	16	7/16x13/16	¾	34¼	30¼	9/16	23½	30¼	13⅞	167/16	1715/16	9/16
32-20-12	40¾	25½	34¼	35⅞	16	7/16x13/16	¾	34¼	36¾	9/16	23½	36¾	16¾	167/16	1715/16	9/16
36-16-09	34¼	367/8	385/16	41	16	9/16 x 1	1½	387/8	30¼	9/16	26	30¼	13⅞	19	20½	9/16
36-20-12	40¾	407/8	385/16	41	16	9/16 x 1	1½	387/8	36¾	9/16	26	36¾	16¾	19	20½	9/16
36-26-15	507/8	407/8	385/16	41	16	9/16 x 1	1½	387/8	467/8	9/16	26	467/8	217/16	19	20½	9/16
38-16-09	34¼	38½	40¼	42½	16	9/16 x 1	1½	40½	30¼	¾	27½	30¼	13⅞	19¾	21¼	9/16
38-20-12	40¾	447/8	40¼	42½	16	9/16 x 1	1½	40½	36¾	¾	27½	36¾	16¾	19¾	21¼	9/16
38-26-15	507/8	46½	40¼	42½	16	9/16 x 1	1½	40½	467/8	¾	27½	467/8	217/16	19¾	21¼	9/16
42-20-09	40¾	19¼	45	47¼	16	9/16 x 1	1½	45¼	36¾	¾	30	36¾	16¾	22½	23¾	¾
42-26-12	507/8	25½	45	47¼	16	9/16 x 1	1½	45¼	467/8	¾	30	467/8	217/16	22½	23¾	¾
48-20-09	40¾	19¼	51	53¾	16	9/16 x 1	1½	51¼	36¾	¾	33½	36¾	16¾	253/16	261½/16	¾
48-26-12	507/8	25½	51	53¾	16	9/16 x 1	1½	51¼	467/8	¾	33½	467/8	217/16	253/16	261½/16	¾
54-26-09	507/8	55	577/16	59⅝	16	9/16 x 1	1½	57½	467/8	¾	37½	467/8	217/16	285/16	2913/16	¾
60-26-09	507/8	61	637/16	657/16	16	9/16 x 1	1½	63½	467/8	¾	41½	467/8	217/16	315/16	3213/16	¾

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

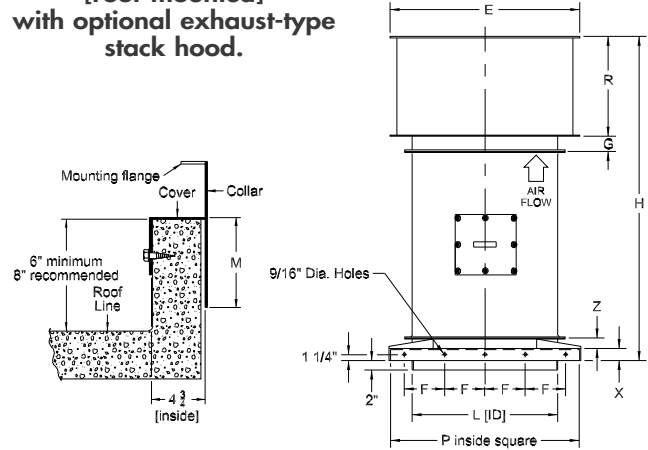
DIMENSIONS

Dimensions should not be used for construction unless certified. See page 3 for available mounting positions. Note motor size capability on page 13. Tolerance: $\pm 1/8''$.

ARRANGEMENT 4-V



ARRANGEMENT 4-R [roof-mounted] with optional exhaust-type stack hood.



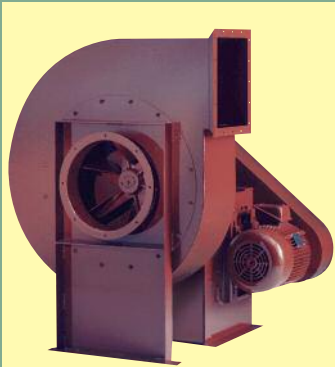
Size	General	
	C	L
16-12-12	25½	16¼
18-08-09	19¼	18¼
18-12-12	25½	18¼
21-08-09	19¼	21¾
21-12-12	25½	21¾
21-16-16	34¼	21¾
24-12-09	25½	24¾
24-16-12	34¼	24¾
27-12-09	25½	27¾
27-16-12	34¼	27¾
27-20-16	40¾	27¾
29-12-09	25½	29¾
29-16-12	34¼	29¾
29-20-16	40¾	29¾
32-16-09	34¼	19¼
32-20-12	40¾	25½
36-16-09	34¼	36¾
36-20-12	40¾	40¾
36-26-15	50¾	40¾
38-16-09	34¼	38½
38-20-12	40¾	44¾
38-26-15	50¾	46¾
42-20-09	40¾	19¼
42-26-12	50¾	25½
48-20-09	40¾	19¼
48-26-12	50¾	25½
54-26-09	50¾	55
60-26-09	50¾	61

Size	Arrangement 4V				Arrangement 4R									
	TT	WW	Y	Slot Size	E	F	G	H	M	P	R	X	Z	
16-12-12	11½	12¾	3	¾ x 1	23½	5	3¾	49½	4½	26¼	16	2½	15½	
18-08-09	12½	13¾	3	¾ x 1	25½	5½	3¾	47½	4½	28½	18	2½	15½	
18-12-12	12½	13¾	3	¾ x 1	25½	5½	3¾	51½	4½	28½	18	2½	15½	
21-08-09	13¾	15½	3	¾ x 1	28½	6	3¾	47½	4½	31½	21	2½	15½	
21-12-12	13¾	15½	3	¾ x 1	28½	6	3¾	54½	4½	31½	21	2½	15½	
21-16-16	13¾	15½	3	¾ x 1	28½	6	3¾	62½	4½	31½	21	2½	15½	
24-12-09	15½	16¾	3	¾ x 1	31½	7	8¾	61½	4½	34¼	23	2½	15½	
24-16-12	15½	16¾	3	¾ x 1	31½	7	8¾	69½	4½	34¼	23	2½	15½	
27-12-09	17	18¼	3	¾ x 1	34½	8	8¾	63½	4½	37¼	25	2½	15½	
27-16-12	17	18¼	3	¾ x 1	34½	8	8¾	71½	4½	37¼	25	2½	15½	
27-20-16	17	18¼	3	¾ x 1	34½	8	8¾	78½	4½	37¼	25	2½	15½	
29-12-09	18¾	20¼	4	¾ x 1½	36½	8½	8¾	64½	4½	39½	26	2½	15½	
29-16-12	18¾	20¼	4	¾ x 1½	36½	8½	8¾	72½	4½	39½	26	2½	15½	
29-20-16	18¾	20¼	4	¾ x 1½	36½	8½	8¾	79½	4½	39½	26	2½	15½	
32-16-09	20¾	21¾	4	¾ x 1½	39½	9	8¾	74¾	5	41¾	26	3	215/16	
32-20-12	20¾	21¾	4	¾ x 1½	39½	9	8¾	80¾	5	41¾	26	3	215/16	
36-16-09	22¾	23¾	4	¾ x 1½	43½	10½	8¾	79¾	5	46¾	31	3	215/16	
36-20-12	22¾	23¾	4	¾ x 1½	43½	10½	8¾	85¾	5	46¾	31	3	215/16	
36-26-15	22¾	23¾	4	¾ x 1½	43½	10½	8¾	96	5	46¾	31	3	215/16	
38-16-09	23½	24½	4	¾ x 1½	45½	11¼	8¾	80½	5	49½	32	3	3	
38-20-12	23½	24½	4	¾ x 1½	45½	11¼	8¾	86½	5	49½	32	3	3	
38-26-15	23½	24½	4	¾ x 1½	45½	11¼	8¾	97½	5	49½	32	3	3	
42-20-09	25½	27	4	¾ x 1½	47½	12	8¾	88½	5	52¾	34	3	3	
42-26-12	25½	27	4	¾ x 1½	47½	12	8¾	99½	5	52¾	34	3	3	
48-20-09	28½	30	4	¾ x 1½	56½	13	8¾	94½	5	58¾	40	3	3	
48-26-12	28½	30	4	¾ x 1½	56½	13	8¾	105½	5	58¾	40	3	3	
54-26-09	32¼	33¾	5	1 x 2	62½	14	8¾	108½	5	65	43	3	3	
60-26-09	35¼	36¾	5	1 x 2	62½	14½	8¾	112½	5	71	47	3	3	

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COMPLETE SELECTION OF AIR-MOVING EQUIPMENT

The New York Blower Company offers thousands of different types, models, and sizes of air-moving equipment. Contact your nyb representative for assistance in identifying the best fan for your application.



DUST/MATERIAL HANDLING

Wide range of duty available with unique fan lines capable of handling light dust to heavy material. Typical applications include dust-collection and high-pressure process along with material-conveying.



AIR-HANDLING [CENTRIFUGAL]

Designed for clean to moderately dirty gas streams. Commercial and industrial HVAC, process cooling, light material-conveying, heat removal, and dryer exhaust are just a few of the numerous sample applications



AIR-HANDLING [AXIAL]

For the ideal handling of clean to moderately dirty airstreams. Commercial and industrial HVAC, drying and cooling systems, fume extraction, and process-heat removal are typical applications.

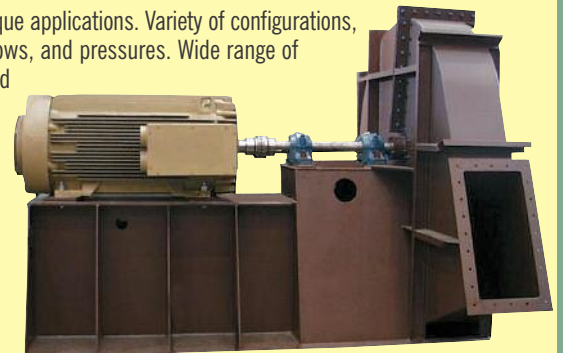


FIBERGLASS REINFORCED PLASTIC [FRP]

Choice of performance and duty for corrosive gas streams. Applications include chemical process, wastewater treatment, laboratory hood exhaust, and tank aeration.

CUSTOM PRODUCTS

Designed for unique applications. Variety of configurations, temperatures, flows, and pressures. Wide range of modifications and accessories are available to meet the most demanding specifications.



Leading the industry forward since 1889



ROOF VENTILATORS

Including both hooded and upblast ventilators, propeller fans, and centrifugal roof exhausters. These units are ideal for industrial, commercial, and institutional applications.



HEATING PRODUCTS

Industrial-duty steam unit heaters with steam heating coils are available for facility heating and process-heat transfer.



PROCESS/FAN COMPONENTS

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.