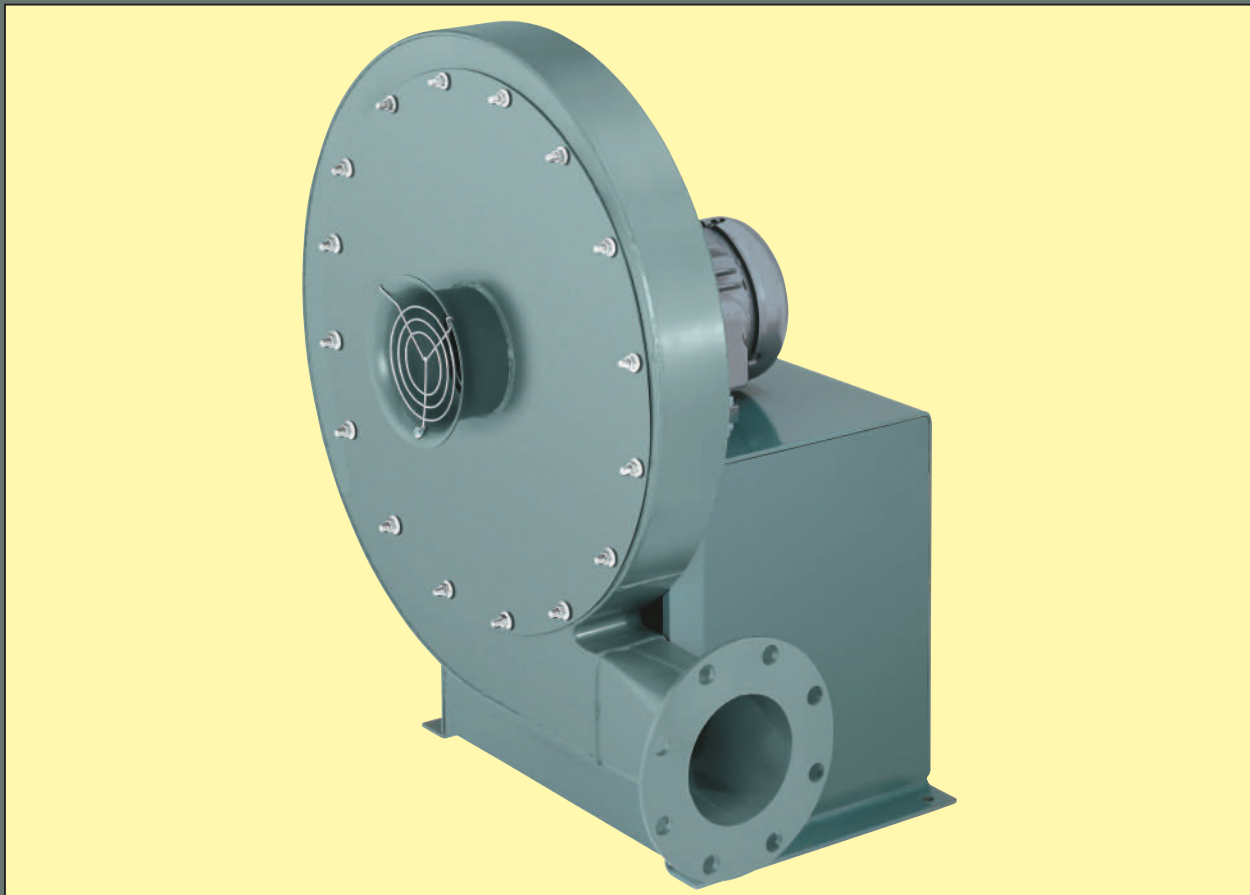


PRESSURE BLOWERS

- Capacities to 5,200 CFM
- Two wheel choices
- Static pressures to 58"WG
- Temperatures to 600°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

For greater
pressures and
capacities:
see Type HP
Pressure Blowers

PRESSURE BLOWERS

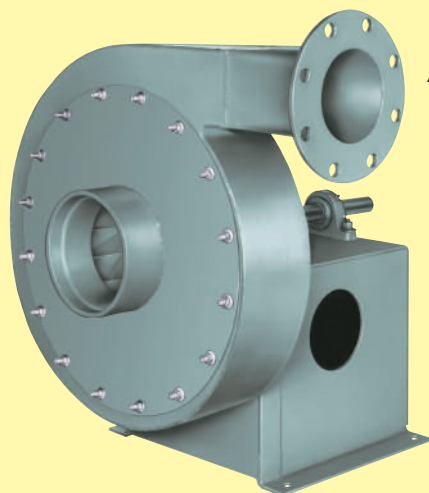
...for process systems

DESIGN FEATURES

- Pressures to 58" WG.
- Capacities to 5,200 CFM.
- Stable performance . . . the pressure curve remains stable from wide-open to closed-off . . . fan instability, or pulsation, is eliminated even when "turn-down" approaches zero flow.
- Choice of wheel designs . . . standard aluminum wheel for optimum efficiency or optional steel wheel for more rugged applications.
- Efficiency . . . advanced wheel and aerodynamic housing design combine for air-handling efficiency superior to conventional radial-wheel designs.
- Variable wheel diameters and a choice of six outlet sizes enable efficient fan selection across a wide range of volumes and pressures.
- Choice of arrangements . . . direct-drive and belt-drive.
- Wide application range . . . designed for continuous operation in combustion, cooling, conveying, drying, and various process systems.

CONSTRUCTION FEATURES

- All-welded steel housings . . . heavy-gauge housings are designed specifically to prevent "flexing" at high pressures.
- Flanges . . . continuously welded flanges match ANSI Class 125/150 hole pattern.
- Balance . . . all wheels are precision-balanced prior to assembly . . . fans with motors and drives mounted by **nyb** are given a final trim balance check at the specified running speed.
- Shafting . . . straightened to close tolerance to minimize "run-out" and ensure smooth operation.
- Inlet configuration . . . a choice of three inlet types allows units to be tailored to specific application requirements.
- Lifting eyes . . . standard on all units for ease of handling and installation.
- Finish . . . medium-green industrial coating.



ARRANGEMENT

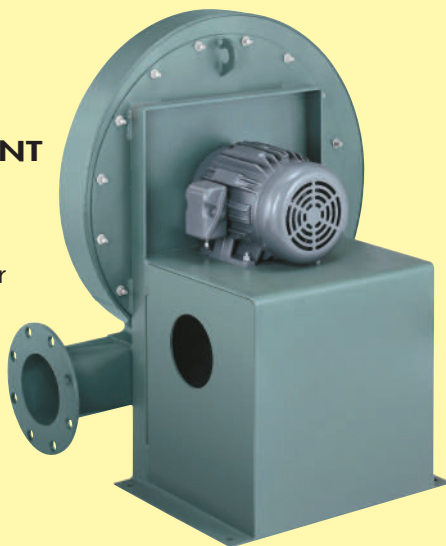
1

Pressure Blower with plain pipe inlet.

ARRANGEMENT

4

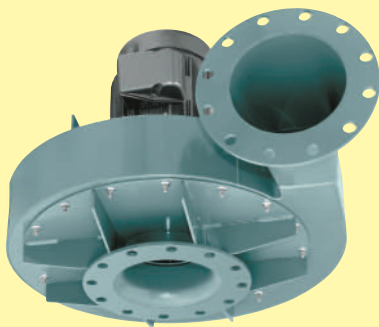
Pressure Blower with motor.



ARRANGEMENT

4-V

Pressure Blower with motor.



The New York Blower Company certifies that the Pressure Blowers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

ACCESSORIES/MODIFICATIONS

- **COMPANION FLANGES**

Designed to fit flush with fan inlet and outlet flanges, provided with a matching hole pattern.

- **DRAINS**

Tank flange is welded to the lowest point of the housing scroll . . . female pipe thread.

- **INLET FILTER**

Filters are available with a choice of three element types: wire mesh, hi-flow polyester, and ultra-synthetic. High-efficiency filter is flange-mounted. Furnished standard with outboard support bracket and available with or without protective hood.

- **SILENCERS**

Available to match standard inlet or outlet flange sizes. Heavy-welded construction filled with high-density, acoustical absorption material.

- **OUTLET DAMPERS**

Available as either an integral outlet design for fixed damper control or as a separate wafer design for variable-flow applications [shown]. Wafer damper is available with an optional actuator and positioner.



- **SHAFT SEALS**

Ceramic-felt shaft seals consist of compressed ceramic felt elements. Lubricated lip seals [Buna, Teflon®, and Viton®] and gas-purgeable, segmental bushing seals are also available. See your **nyb** representative for availability.

[Teflon and Viton are registered trademarks of DuPont and DuPont Dow Elastomers, respectively.]

- **ACCESS DOOR**

Gasketed, flush-bolted door opens to provide access to the wheel.

- **HEAT-FAN CONSTRUCTION**

Available on Arrangements 1, 8, 9, and 10 steel wheel Pressure Blowers up to 600°F. Modifications include shaft cooler and shaft-cooler guard.

- **LL-1 LOW LEAKAGE CONSTRUCTION**

Special construction to minimize leakage includes lip-type shaft seal, non-rotatable housing with solid drive side, double studs, and neoprene gasketing. Maximum temperature 200°F. due to gasketing limitations. Not available with heat-fan construction. Contact your **nyb** representative for other options.

- **SPECIAL ALLOY CONSTRUCTION**

Airstream components can be constructed of a wide range of alternate alloys for corrosive applications.

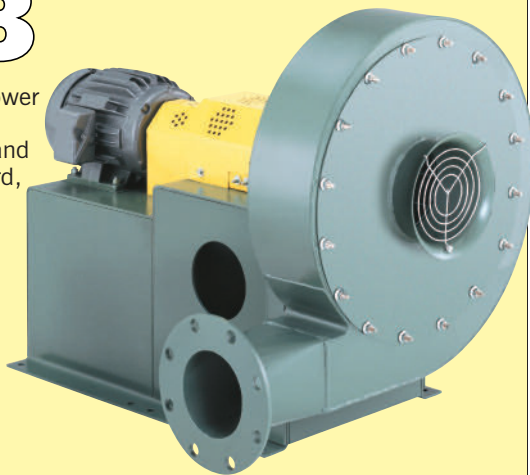
- **UNITARY BASE**

Fan, motor, and guards can be mounted and shipped on a rugged, structural-steel base. Factory-assembled and run-tested prior to shipment.

ARRANGEMENT

8

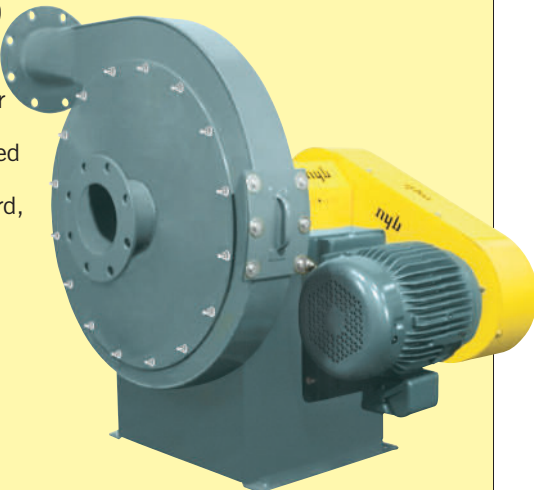
Pressure Blower with Venturi inlet, shaft and bearing guard, coupling guard, and motor.



ARRANGEMENT

9

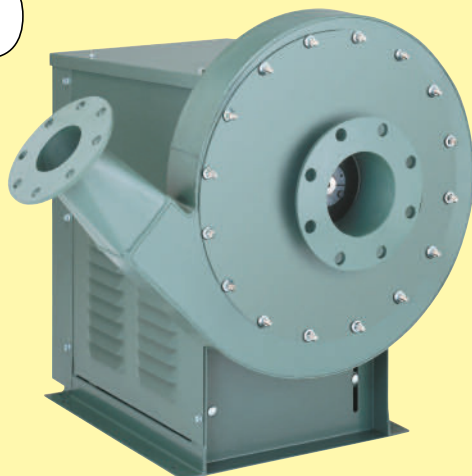
Pressure Blower with flanged inlet, flush-bolted cleanout door, motor, belt guard, and shaft and bearing guard.



ARRANGEMENT

10

Pressure Blower with flanged inlet and optional weather cover/belt guard.

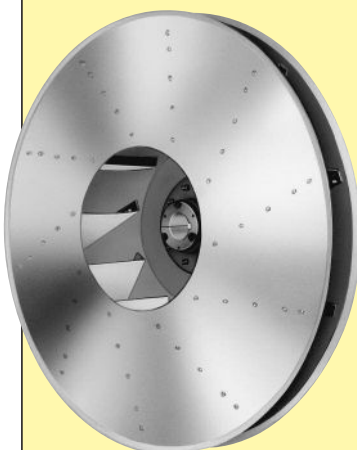


WHEELS

STANDARD ALUMINUM

The unique Aluminum Pressure Blower wheel is designed to provide efficient performance and reduced sound levels ... the dual-taper design concept on all but the narrowest wheel sizes yields typical efficiencies up to 10 percentage points greater than conventional straight radial wheels. Riveted high-strength aluminum alloy blades and side plates minimize overhung wheel weight and starting inertia. Ductile-iron, taper-lock hubs make wheels easily removable.

Note: Maximum operating temperature of aluminum wheel is 200°F.



OPTIONAL STEEL

Either welded steel or stainless-steel wheel construction is available in straight radial design. AMCA Certified Ratings Seal applies to Pressure Blowers with aluminum-wheel design only. Air volume and pressure capabilities are the same as the dual-taper aluminum wheel, but brake horsepower requirements are typically higher. Refer to The New York Blower Company's fan-selection program for details.

Note: Maximum operating temperature of steel wheel with heat fan construction is 600°F. Some fan-and-motor combinations with steel wheels may be restricted due to starting torque requirements. Consult **nyb**.

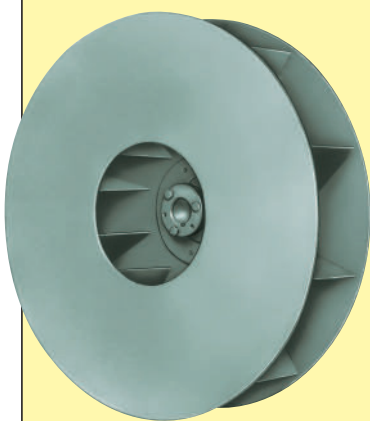


CHART II

STEEL WHEEL HORSEPOWER CORRECTIONS

18" Pressure Blower with 04 outlet to handle 400 CFM at 23½"SP at .075 lbs./ft.³ density. Aluminum wheels require 2.6 BHP as shown on page 7. Steel or stainless-steel wheels require [1.15 x 2.6] 3.0 BHP.

Outlet size	Wheel size	BHP correction factors
03	14 to 22	0.96
	23 to 26	1.02
04	14 to 26	1.15
06	14 to 18	1.06
	19 to 26	1.15
08	15 to 22	1.06
	23 to 26	1.15
10	19 to 26	1.06
12	19 to 26	1.06

SPARK-RESISTANT CONSTRUCTION [SRC]

Intended to minimize the potential for any two or more fan components to generate sparks within the airstream by rubbing or striking during operation.

The following types are available:

AMCA A [AIRSTREAM] SRC

To include all airstream parts constructed of a spark-resistant alloy . . . maximum temperature: 200°F.

AMCA B [WHEEL] SRC

To include the fan wheel constructed of a spark-resistant alloy and a buffer plate around the housing shaft-hole opening . . . maximum temperature: 200°F.

CHART I

MAXIMUM

SAFE

SPEEDS [RPM]†

Wheel diameter	Aluminum wheel	Steel wheel	
	All Arr.	Arr. 1, 4, 4-V, 8, 9	Arr. 10
14	4000	4000	4000
15	4000	4000	4000
16	4000	4000	4000
17	4000	4000	4000
18	4000	4000	4000
19	3900	3900	2992
20	3900	3900	2918
21	3900	3900	2851
22	3900	3900	2787
23	3800	3800	3178
24	3800	3800	3121
25	3800	3800	3068
26	3800	3800	3017

† derate for temperature not required.

* Arr. 9 fans may have additional speed limits based on pedestal length.

SAFETY EQUIPMENT

Safety accessories are available from **nyb**, 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 **nyb** 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 International, Arlington Heights, Illinois.

PERFORMANCE

USING PERFORMANCE CURVES

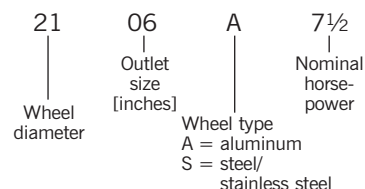
Performance is shown according to outlet sizes for quick reference to duct diameter. Brake horsepower increments are identified on each curve. Recommended standard blower size and motor combinations, which are based on the most efficient area of operation, are listed on page 14 for Arrangements 4, 4-V, and 8. Nonstandard combinations are generally available, but are usually less efficient than the standard combinations.

SIZING NOMENCLATURE

7-digit model number designates the wheel diameter, outlet size, wheel type, and nominal motor horsepower.

Note: the last two digits showing motor horsepower are not required for Arrangement 1 Pressure Blowers.

EXAMPLE



PROCEDURE	STEPS	EXAMPLE
Determine the appropriate outlet size.	1	The 06 outlet is selected for 800 CFM at 32"SP.
Plot the CFM and SP [standard] and select a performance curve for the fan size that meets or slightly exceeds the required performance.	2	A Size 2106A will provide 800 CFM at 33.6"SP.
Determine the BHP required for the point of operation . . . see page 4 for steel or stainless-steel wheel factors.	3	2106A requires 6.3 BHP. 2106S requires 7.2 BHP [6.3 x 1.15].
Read to the right to select motor horsepower.	4	A 7 1/2 HP motor will cover both wheel types.

Note: The horsepower coverage of a given motor will increase 15% when a 1.15 service factor motor is utilized.

CORRECTION FACTORS

Performance is based on actual cubic feet per minute [ACFM] at the blower inlet at standard density [.075 lbs./ft.³] and static pressure at the blower outlet. Static pressure capabilities are shown in inches water gauge ["WG].

Air density corrections are necessary for proper selection when air density varies from the standard .075 lbs./ft.³ at 70°F. at sea level. This also occurs when negative static pressure exists [rarefaction] on the inlet side of the fan. Multiply the required static pressure at conditions by the appropriate factors in Charts III, IV, and V to obtain corrected pressure for blower selection. Pressure and BHP will be reduced at conditions by the inverse of these factors. Multiply one factor by the other if temperature, altitude, and rarefaction are non-standard. For example: If the installation is located at an altitude of 4000 feet, the gas temperature is 300°F., and the inlet pressure is -40"WG, the correction factor is 1.84 [1.16 x 1.43 x 1.11].

CHART III ALTITUDE [ft.] CORRECTIONS

Alt.	Factor
0	1.00
500	1.02
1000	1.04
1500	1.06
2000	1.08
2500	1.10
3000	1.12
3500	1.14
4000	1.16
4500	1.18
5000	1.20
6000	1.25
7000	1.30
8000	1.35
9000	1.40
10000	1.45

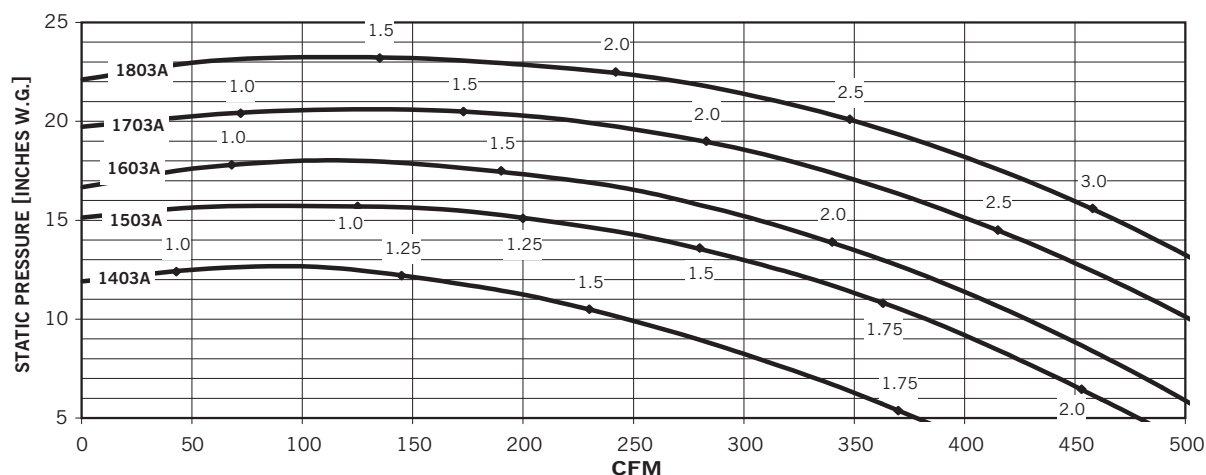
CHART IV TEMPERATURE CORRECTIONS

Temp. °F.	Factor
0	.87
20	.91
40	.94
60	.98
70	1.00
80	1.02
100	1.06
120	1.09
140	1.13
160	1.17
180	1.21
200	1.25
300	1.43
400	1.62
500	1.81
600	2.00

CHART V RAREFACTION CORRECTIONS

Neg. inlet pressure "WG	Factor
15	1.04
20	1.05
25	1.07
30	1.08
35	1.09
40	1.11
45	1.12
50	1.14
55	1.16
60	1.17
65	1.19
70	1.21
75	1.23
85	1.26

1403A-
1803A



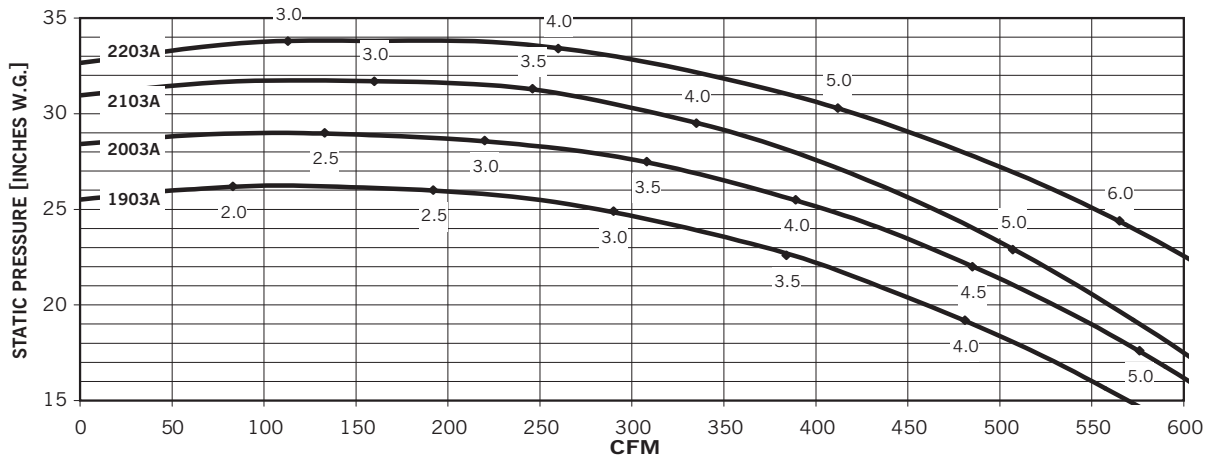
PERFORMANCE AT 3500 RPM



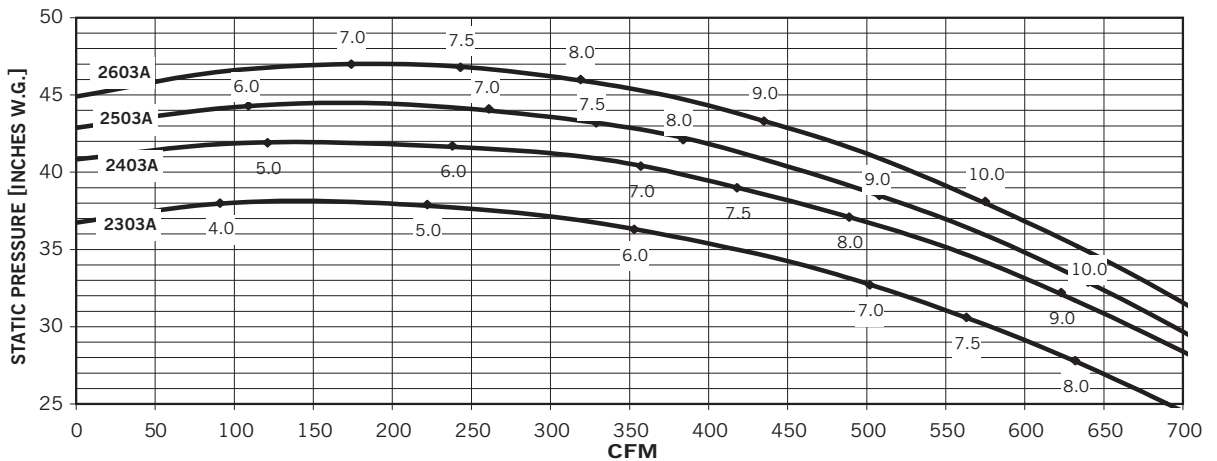
Aluminum Wheel
Pressure Blower

NOTE: Values shown on curves indicate brake horsepower [BHP] required.

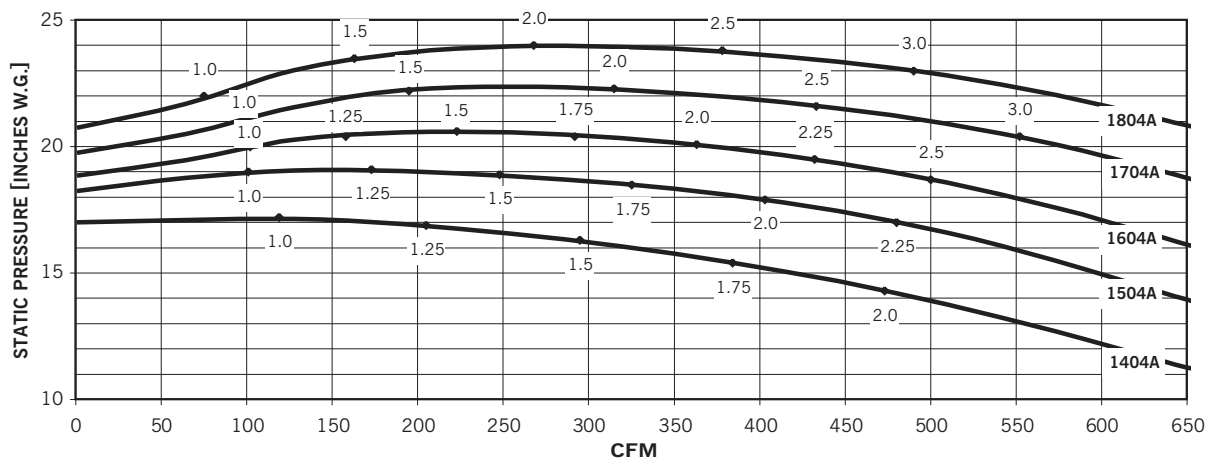
**1903A-
2203A**



**2303A-
2603A**



**1404A-
1804A**



Performance certified is 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).

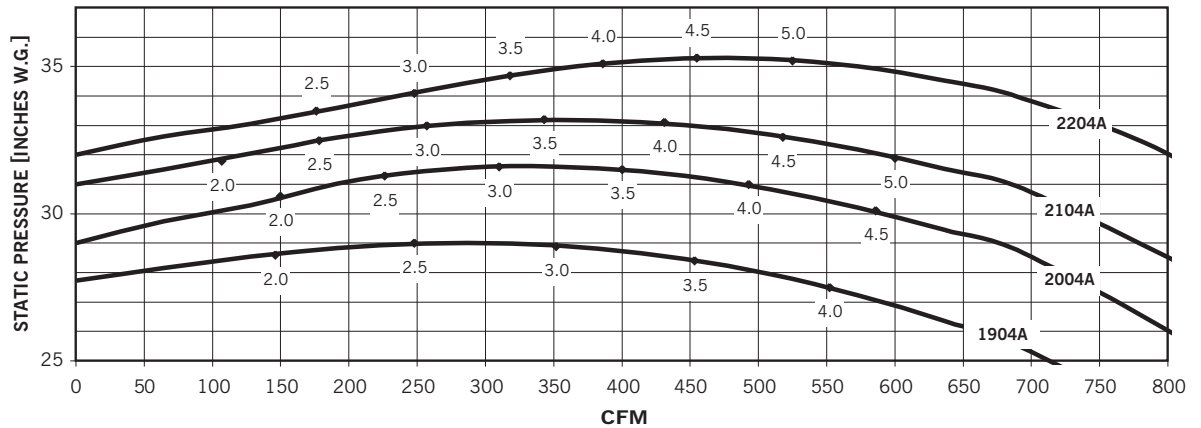
PERFORMANCE AT 3500 RPM



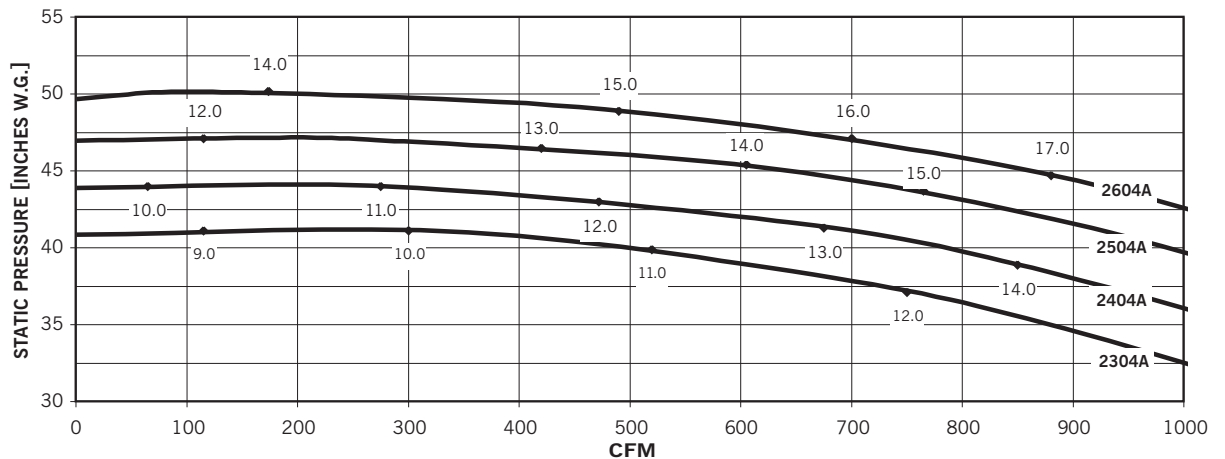
Aluminum Wheel
Pressure Blower

NOTE: Values shown on curves indicate brake horsepower [BHP] required.

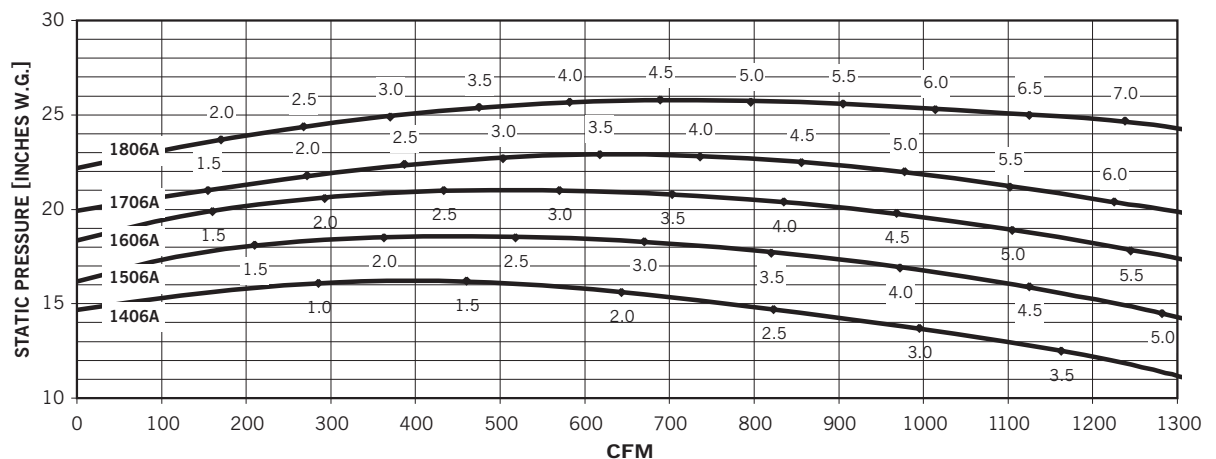
**1904A-
2204A**



**2304A-
2604A**



**1406A-
1806A**



Performance certified is 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).

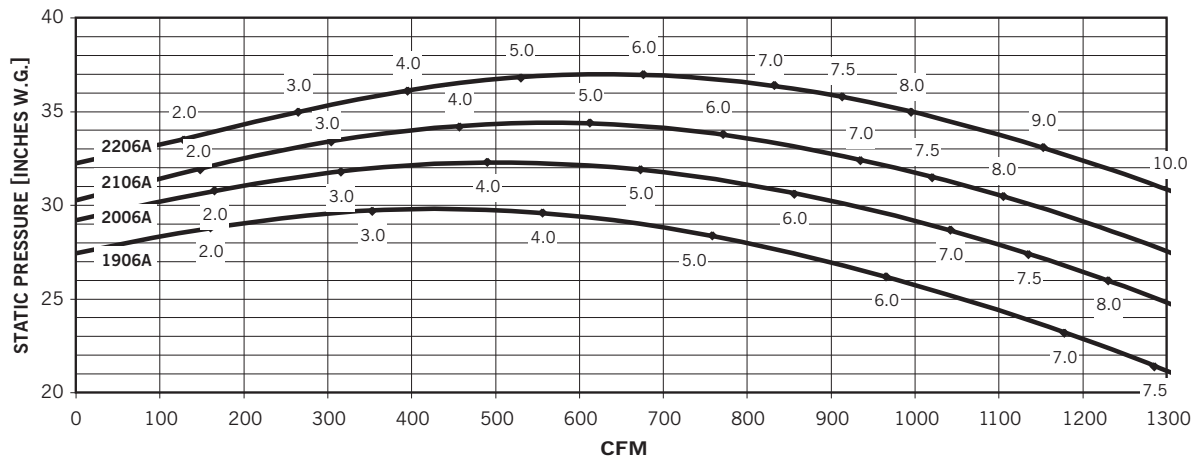
PERFORMANCE AT 3500 RPM



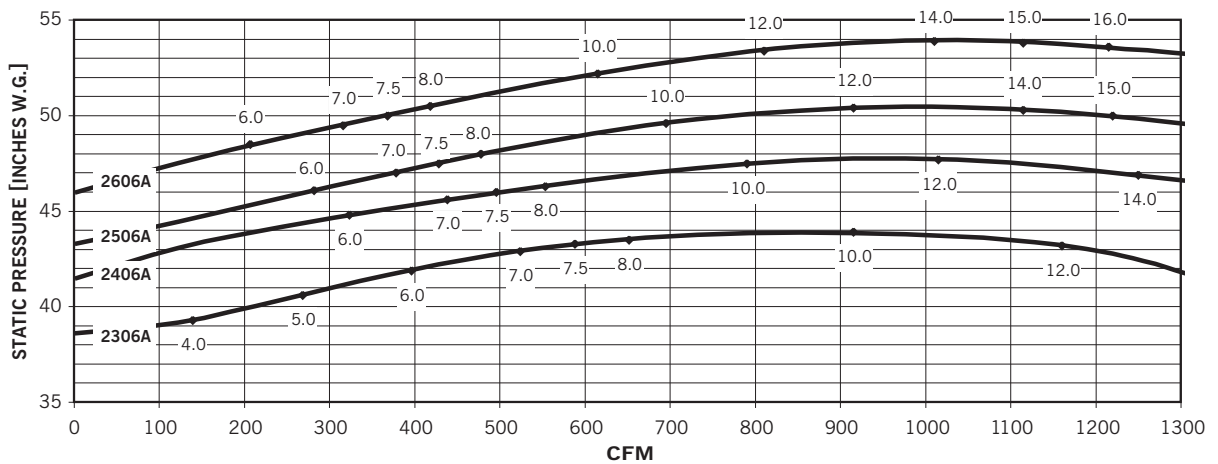
Aluminum Wheel
Pressure Blower

NOTE: Values shown on curves indicate brake horsepower [BHP] required.

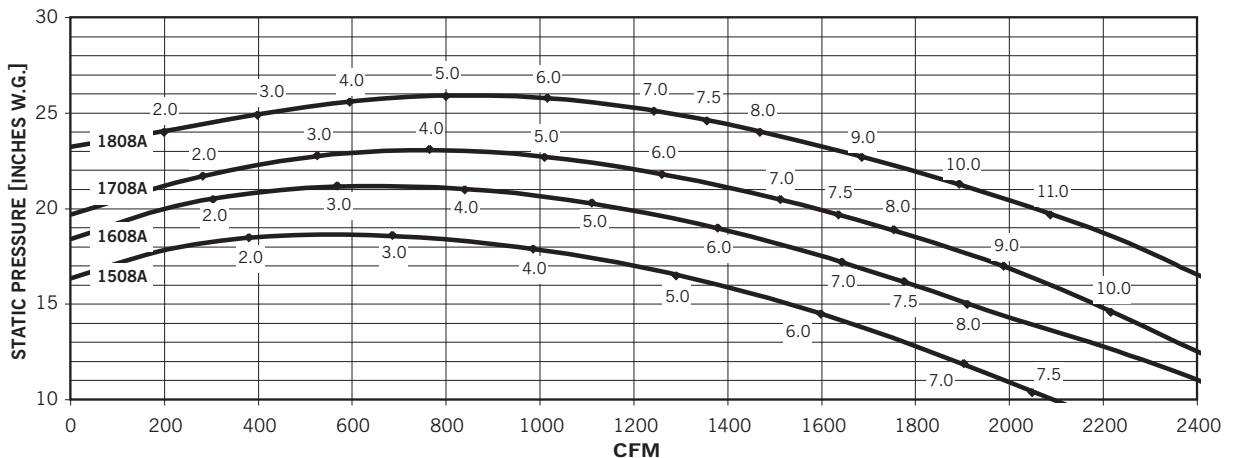
**1906A-
2206A**



**2306A-
2606A**



**1508A-
2208A**



Performance certified is 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).

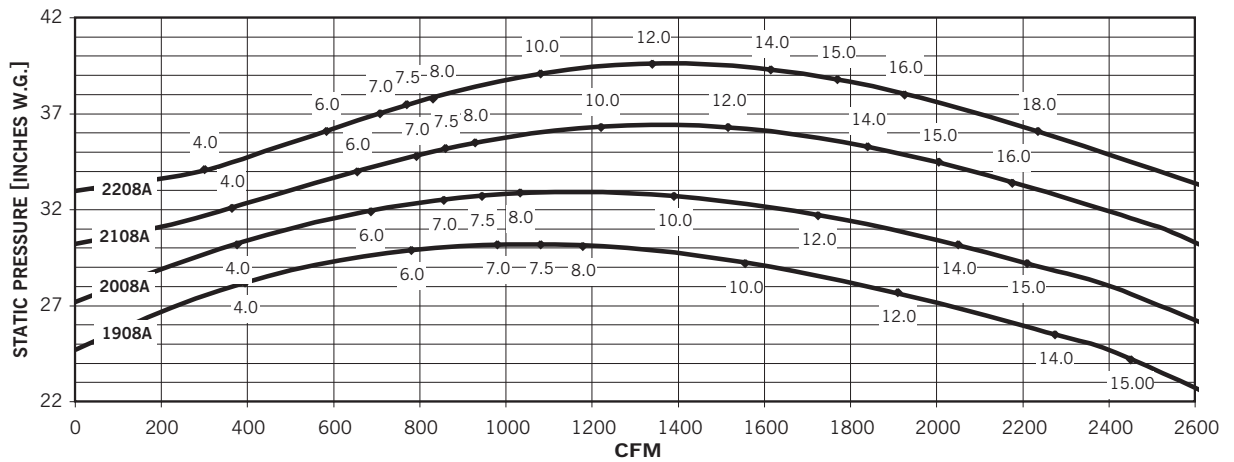
PERFORMANCE AT 3500 RPM



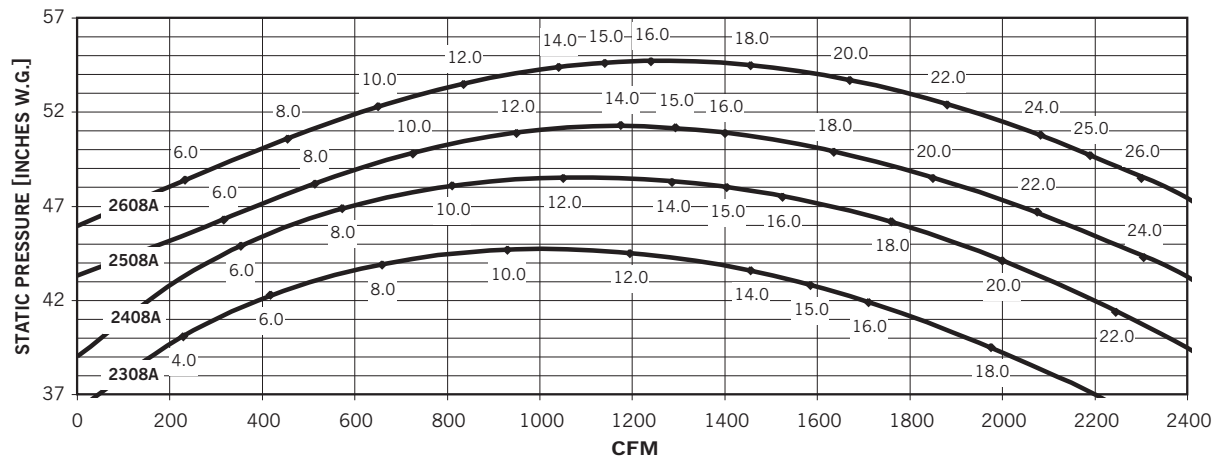
Aluminum Wheel
Pressure Blower

NOTE: Values shown on curves indicate brake horsepower [BHP] required.

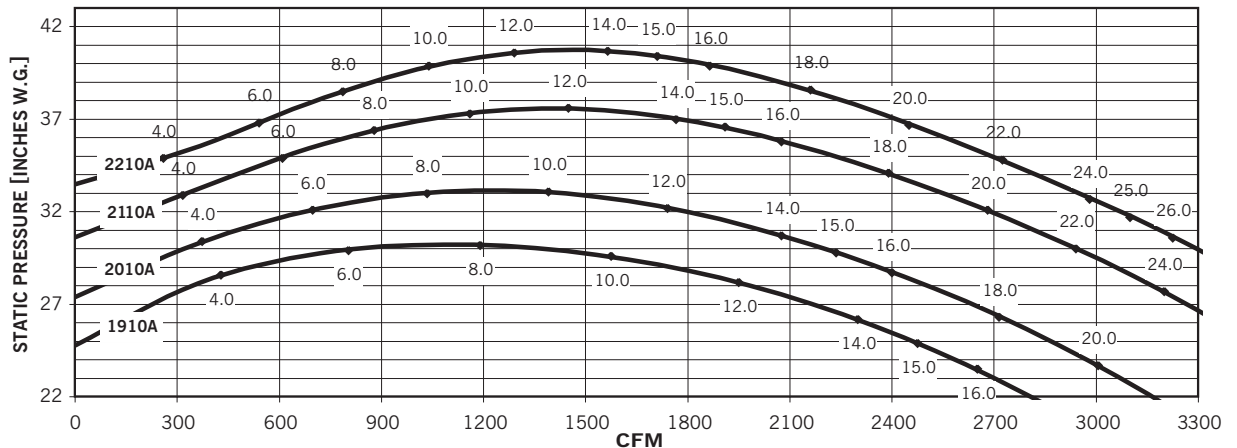
**1908A-
2208A**



**2308A-
2608A**



**1910A-
2210A**



Performance certified is 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).

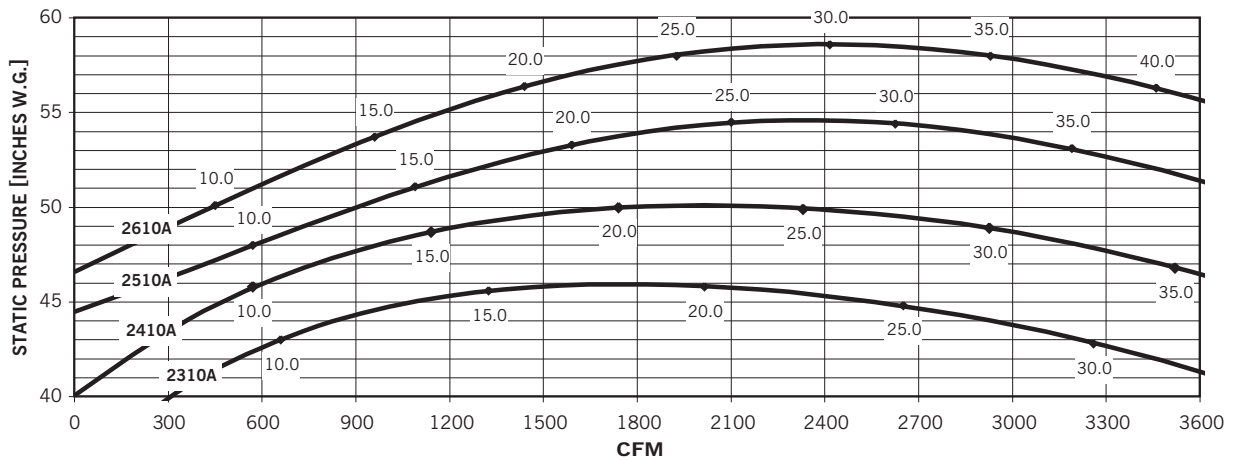
PERFORMANCE AT 3500/3550 RPM



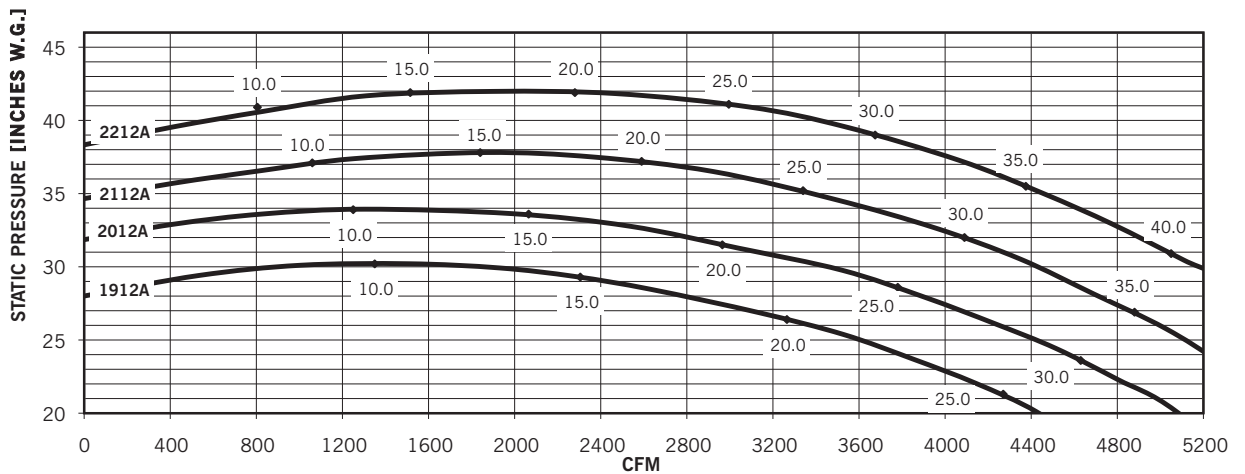
Aluminum Wheel
Pressure Blower

NOTE: Values shown on curves indicate brake horsepower [BHP] required.

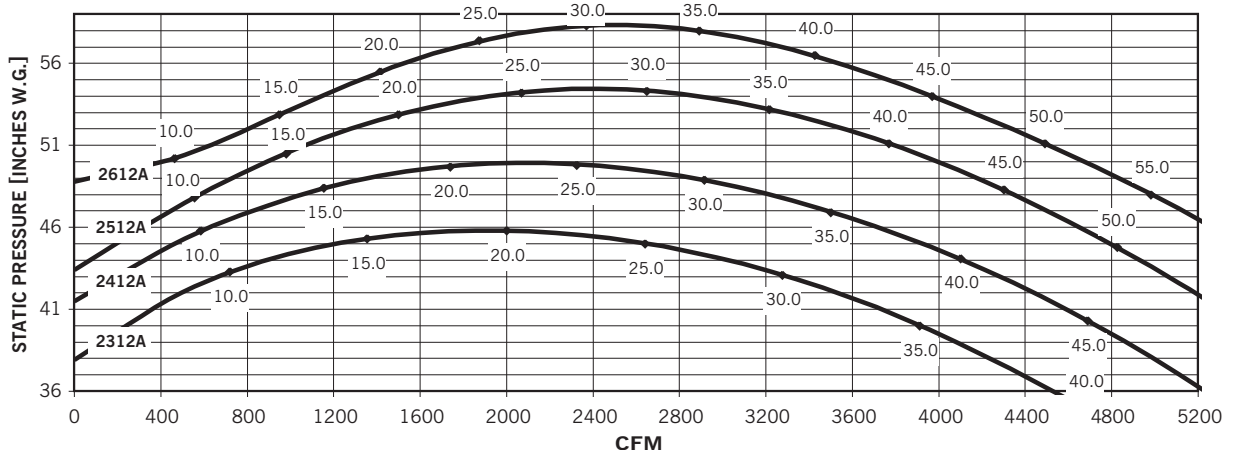
**2310A-
2610A**



**1912A-
2212A**



**2312A-
2612A**



Performance certified is 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).

SPECIFICATIONS

U.S. standard sheet gauge to 7 gauge. Dimensions in inches. Weights in pounds. WR² in lb.-ft.².

WHEEL SPECIFICATIONS

Size	Aluminum		Steel	
	Wt.	WR ²	Wt.	WR ²
1403	10.1	0.96	19.7	2.74
1404	8.5	1.43	18.0	3.04
1406	11.7	2.40	20.5	3.46
1503	10.8	1.23	21.8	3.59
1504	8.8	1.69	19.0	3.68
1506, 1508	11.8	2.40	21.5	4.16
1603	11.5	1.53	23.9	4.56
1604	9.0	1.98	20.0	4.41
1606, 1608	12.1	2.50	23.0	5.07
1703	12.3	1.93	26.3	5.79
1704	9.3	2.30	21.0	5.22
1706, 1708	12.2	2.60	24.5	6.09
1803	13.0	2.36	28.6	7.16
1804	9.5	2.65	22.0	6.13
1806, 1808	12.4	2.60	26.0	7.25
1903	14.2	2.92	31.1	8.42
1904, 1906	12.0	3.73	29.5	9.16
1908, 1910	15.1	5.10	34.5	10.72
1912	12.9	5.07	32.8	10.15
2003	15.1	5.02	33.7	10.23
2004, 2006	12.3	4.22	31.0	10.67
2008, 2010	15.3	5.20	36.5	12.56
2012	13.1	5.21	36.1	12.37
2103	16.0	4.24	36.5	12.31
2104, 2106	12.5	4.74	32.5	12.33
2108, 2110	15.5	5.30	38.0	14.42
2112	13.3	5.34	39.4	14.91
2203	17.1	5.02	39.3	14.70
2204, 2206	12.8	5.31	34.0	14.16
2208, 2210	15.6	5.40	40.0	16.66
2212	13.5	5.48	42.9	17.80
2303	18.3	6.07	49.4	20.83
2304	19.8	6.50	52.5	22.27
2306, 2308	18.5	8.42	45.0	20.93
2310, 2312	21.7	10.60	53.5	24.35
2403	19.4	7.16	53.1	24.50
2404	20.9	7.80	56.4	26.14
2406, 2408	18.8	9.29	48.0	23.79
2410, 2412	21.9	10.80	56.0	27.75
2503	20.5	8.33	56.9	28.64
2504	22.0	9.00	60.4	30.49
2506, 2508	19.0	10.22	50.0	26.89
2510, 2512	21.9	11.00	58.5	31.46
2603	21.8	9.63	60.9	33.27
2604	23.1	10.30	64.5	35.36
2606, 2608	19.3	11.20	52.0	30.24
2610, 2612	22.3	11.20	61.0	35.48

MATERIAL SPECIFICATIONS

HOUSING

Wheel diameter	Sides	Scroll	Inlet plate	Drive plate
14-18	10	10	1/4	10
19-22	10	10	1/4	10
23-26	10	10	1/4	10

SHAFT DIAMETER

Wheel diameter	Arrangement 1		Arrangement 8	
	Standard	Heat Fan with Shaft Seal	Standard	Heat Fan with Shaft Seal
14-18	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆
19-22	1 ⁷ / ₁₆	1 ¹¹ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆
23-26	1 ¹¹ / ₁₆	1 ¹⁵ / ₁₆ †	1 ⁷ / ₁₆	1 ¹¹ / ₁₆

SHAFT DIAMETER

Wheel diameter	Arrangement 9		Arrangement 10	
	Standard	Heat Fan with Shaft Seal	Standard	Heat Fan
14-18	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆
19-22	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆
23-26	1 ¹⁵ / ₁₆	1 ¹⁵ / ₁₆	1 ¹¹ / ₁₆	1 ¹¹ / ₁₆

BEARINGS*

Wheel diameter	Arrangement 1/9		Arrangement 8	Arrangement 10
	Inboard	Outboard		
14-18	A	A†	A	A
19-22	B	B	A	B
23-26	C	B†	A	B

A-200 Series ball bearing. B-22400 Series roller bearing.

C-300 Series ball bearing.

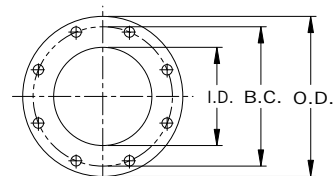
*nyb reserves the right to substitute bearings of equal rating.

† Fans with heat fan construction and shaft seal:

Arr. 1: Sizes 23-26 include a shaft turndown at the outboard bearing, with a bearing size of 1¹¹/₁₆". Inboard bearing size is 1¹⁵/₁₆".

Arr. 9: Sizes 14-18 include a Type B outboard bearing, in lieu of the standard Type

FLANGE



DIMENSIONS [INCHES]

Size	I.D.	O.D.	Bolt circle	Holes† No. – size
03	3	7 ¹ / ₂	6	4 – 3/4"
04	4	9	7 ¹ / ₂	8 – 3/4"
05	5	10	8 ¹ / ₂	8 – 7/8"
06	6	11	9 ¹ / ₂	8 – 7/8"
08	8	13 ¹ / ₂	11 ³ / ₄	8 – 7/8"
10	10	16	14 ¹ / ₄	12 – 1"
12	12	19	17	12 – 1"

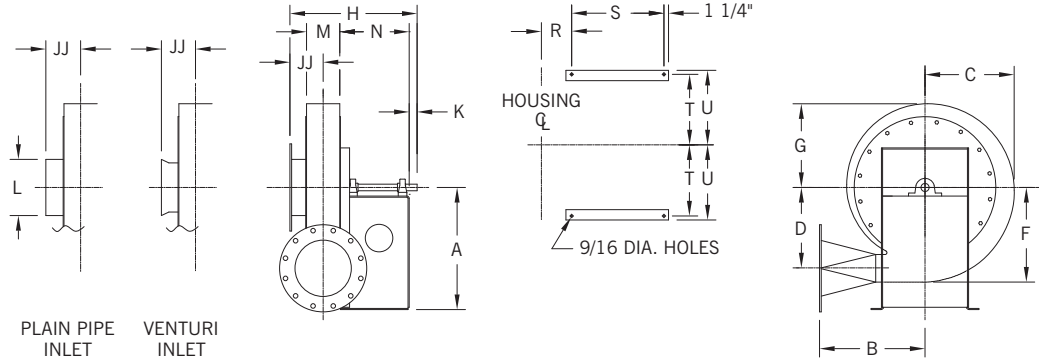
† Holes straddle centerline. ANSI Class 125/150 hole pattern. Flange thickness 3/8"

ARRANGEMENTS

1/9

PRESSURE BLOWERS

Maximum Airstream Temperature:
200°F. – aluminum wheel.
300°F. – steel wheel.
600°F. – heat fan.

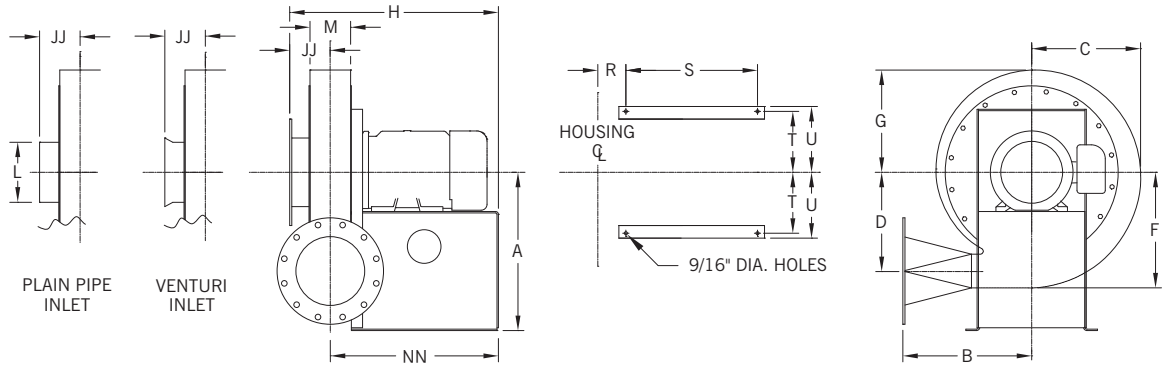


ARRANGEMENT

4

PRESSURE BLOWERS

Maximum Airstream Temperature:
180°F.

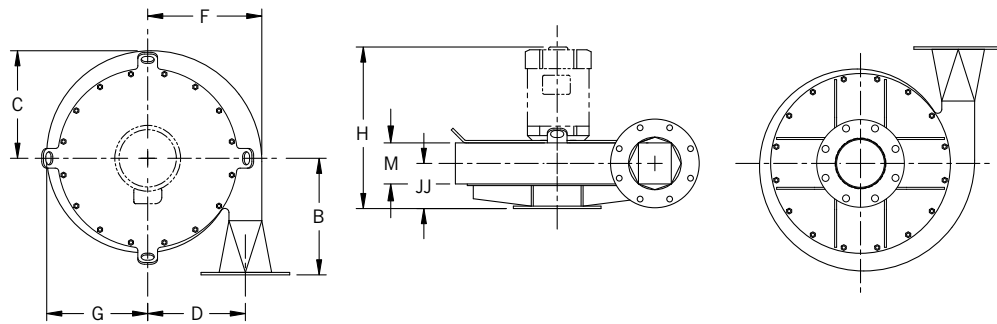


ARRANGEMENT

4-V

PRESSURE BLOWERS

Maximum Airstream Temperature:
120°F.

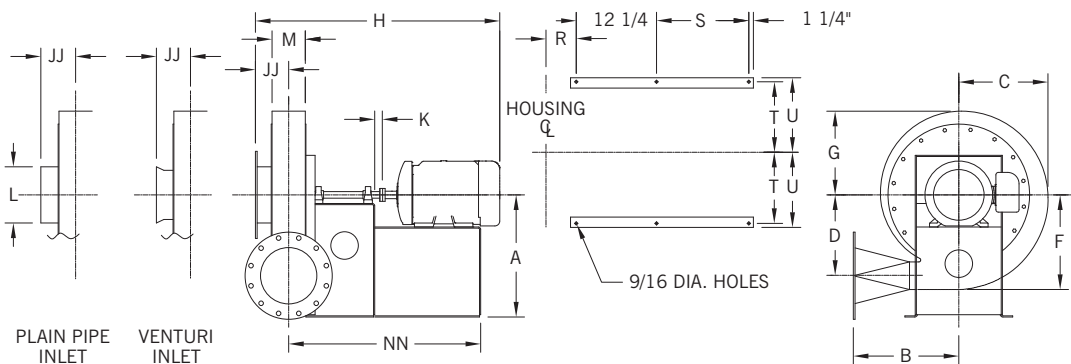


ARRANGEMENT

8

PRESSURE BLOWERS

Maximum Airstream Temperature:
200°F. – aluminum wheel.
300°F. – steel wheel.
600°F. – heat fan.

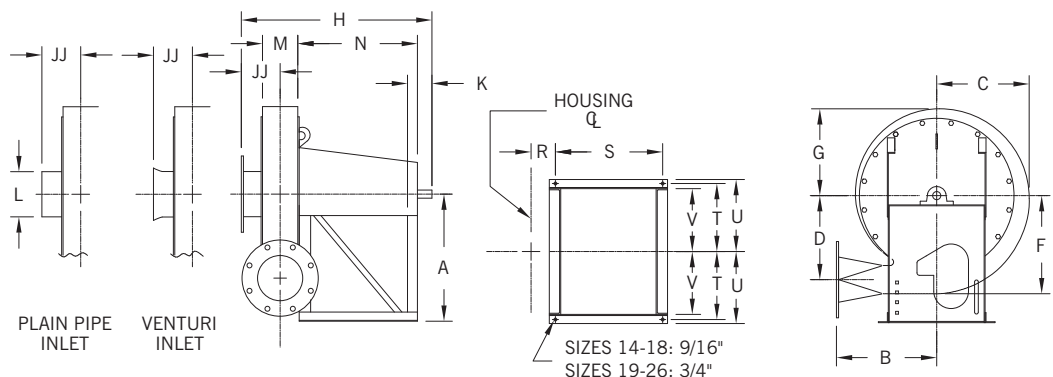


ARRANGEMENT

10

PRESSURE BLOWERS

Maximum Airstream Temperature:
200°F. – aluminum wheel.
300°F. – steel wheel.
600°F. – heat fan.



ARRANGEMENTS 1, 4, 4-V, 8, 9, 10

Dimensions not to be used for construction unless certified. Bare fan weight does not include wheel or motor. Weights in pounds. Wheel weights on page 11.

HOUSING DIMENSIONS [INCHES]

Fan Size	Outlet Size	Inlet Size	B	C	D	F	G	M	JJ [Inlet types]			L					
									Flanged	Plain pipe	Venturi						
14-18	03	05	18 ¹ / ₄	13 ⁵ / ₈	11 ³ / ₄	14 ³ / ₈	12 ³ / ₄	2 ⁷ / ₈	5 ¹ / ₁₆	4 ¹¹ / ₁₆	4 ⁹ / ₁₆	5 ⁹ / ₁₆					
	04	06						3 ⁷ / ₈	5 ⁹ / ₁₆	5 ³ / ₁₆	4 ¹³ / ₁₆	6 ⁵ / ₈					
	06	08						6 ¹ / ₄	6 ³ / ₄	6 ³ / ₈	6 ³ / ₈	8 ⁵ / ₈					
	08	08															
19-22	03	05	17 ³ / ₄	16 ¹ / ₂	14 ⁷ / ₈	17 ¹ / ₂	15 ¹ / ₂	2 ⁷ / ₈	5 ⁹ / ₁₆	5 ³ / ₁₆	5 ³ / ₁₆	5 ⁹ / ₁₆					
	04	06						3 ⁷ / ₈	6 ¹ / ₁₆	5 ¹¹ / ₁₆	5 ⁵ / ₁₆	6 ⁵ / ₈					
	06	06						6 ¹ / ₄	6 ³ / ₄	6 ³ / ₈	6 ³ / ₈	8 ⁵ / ₈					
	08	08											21 ³ / ₄	14 ¹ / ₂			
	10	10	23					7 ¹ / ₄	7 ¹ / ₄	6 ⁷ / ₈	6 ⁷ / ₈	10 ³ / ₄					
	12	12			3 ⁵ / ₈			6 ⁵ / ₁₆	5 ¹⁵ / ₁₆	5 ⁹ / ₁₆	5 ⁹ / ₁₆	5 ⁹ / ₁₆					
23-26	03	05	19	19 ¹ / ₂	17 ⁵ / ₈	20 ⁵ / ₈	18 ¹ / ₄	5	7	6 ⁵ / ₈	6 ⁵ / ₈	6 ⁵ / ₈					
	04	06										8 ⁵ / ₈					
	06	08										23	7 ¹ / ₄	7 ¹ / ₄	6 ⁷ / ₈	6 ⁷ / ₈	10 ³ / ₄
	08	08															
	10	10															
	12	12															

BARE FAN WEIGHTS AND MOTOR LIMITATIONS

Tolerance: ± 1/8"

Fan Size	Outlet Size	Inlet Size	Arr. 1 Wt.	Motor Frame Size (Arr. 4, 8)	Weight		Arr. 4-V			
					Arr. 4	Arr. 8	Motor Frame Size	Weight		
14-18	03	05	200	143T-145T	145	285	182TC-184TC	120		
				182T-184T	170					
	04	06	205	143T-145T	150	295	182TC-184TC	130		
				182T-184T	175					
	06	08	220	143T-145T	165	300	182TC-184TC	135		
				182T-184T	190					
15-18	08	08	220	213T-215T	305	213TC-215TC	145			
				182T-184T	310			182TC-184TC		
				213T-215T	315			213TC-215TC		
19-22	03	05	270	143T-145T	235	370	182TC-184TC	160		
				182T-184T		375				
				213T-215T		380			213TC-215TC	
	04	06	275	143T-145T	245	385	182TC-184TC	170		
				182T-184T		390			213TC-215TC	
				213T-215T		390			213TC-215TC	
	06	06	275	143T-145T	245	385	182TC-184TC	175		
				182T-184T		390			213TC-215TC	
				213T-215T		395			213TC-215TC	
	08	08	290	182T-184T	260	410	182TC-184TC	190		
				213T-215T		415			213TC-215TC	
				254T-256T		290			430	254TC-256TC
	10	10	300	213T-215T	270	415	213TC-215TC	190		
				254T-256T		290			430	254TC-256TC
				284TS-286TS		300			430	284TSC-286TSC
	12	12	320	254T-256T	320	445	254TC-256TC	215		
				284T-286T		455			284TSC-286TSC	
				324TS-326TS		345			460	324TSC-326TSC
	23-26	03	05	330	182T-184T	270	435	182TC-184TC	205	
					213T-215T		445			213TC-215TC
					254T-256T		300			460
		04	06	350	182T-184T	275	465	182TC-184TC	230	
					213T-215T		470			213TC-215TC
					254T-256T		300			490
06		08	365	182T-184T	285	460	182TC-184TC	230		
				213T-215T		465			213TC-215TC	
				254T-256T		315			485	254TC-256TC
08		08	365	213T-215T	290	475	213TC-215TC	235		
				254T-256T		495			254TC-256TC	
				284TS-286TS		320			495	284TSC-286TSC
10		10	385	254T-256T	335	500	254TC-256TC	255		
				284TS-286TS					284TSC-286TSC	
				324TS-326TS		360			505	324TSC-326TSC
12		12	395	284TS-286TS	345	515	284TSC-286TSC	265		
				324TS-326TS		370			520	324TSC-326TSC

Fan Size	Outlet Size	Arr. 9		Arr. 10							
		Pedestal Number	Weight	Weight	Max. Motor Size						
					ODP	TEFC	C-NW				
14-18	03	1	190	220	215T	215T	16 ⁵ / ₈				
		2	225								
		3	260								
		4	300								
	04	1	195	230							
		2	235								
		3	265								
		4	305								
	06,08	1	210	245							
		2	250								
		3	280								
		4	325								
19-22	03	5	280	290	256T	254T	18 ⁵ / ₈				
		6	300								
		7	340								
		8	360								
	04,06	9	370	305							
		5	295								
		6	315								
		7	355								
	08,10	8	375	325							
		9	385								
		5	315								
		6	335								
	12	7	375	350							
		8	395								
		9	405								
		5	340								
	23-26	03,04	6	360				355	256T	254T	18 ⁵ / ₈
			7	405							
8			420								
9			430								
06,08		10	435	360							
		11	455								
		12	465								
		13	550								
10,12		10	440	375							
		11	460								
		12	470								
		13	555								
		10	460								
		11	480								
		12	490								
		13	570								

N/A: Not Available due to motor shaft/wheel fit.

Tolerance: ± 1/8"

ARRANGEMENTS 4, 4-V, 8

Dimensions not to be used for construction unless certified. Note: See page 12 for dimensional drawings.

Wheel dia.	Outlet Size	Inlet flange	Arr. 4 & 8 Motor Frame Size	A		H*		Arr. 4-V Motor Frame Size	H*		K	NN		R	S		T		U		
				Arr. 4	Arr. 8†	Arr. 4	Arr. 8		Arr. 4-V	Arr. 8		Arr. 4	Arr. 8		Arr. 4	Arr. 8	Arr. 4	Arr. 8	Arr. 4	Arr. 8	
14-18	03	05	143T-145T	17¾	19½	18	38	182TC-184TC	20⅞	3⅜	2⅞	12 ¹⁵ / ₁₆	31 ⁵ / ₁₆	2 ¹³ / ₁₆	8 ⁵ / ₈	15	8⅞	9⅞	9¾	10	
			182T-184T	19		23½	40⅝					17 ¹³ / ₁₆	32 ¹³ / ₁₆		14⅞	16½					
	04	06	143T-145T	17¾		19	39	182TC-184TC	21⅞			13 ⁷ / ₁₆	31 ¹³ / ₁₆	3 ⁹ / ₁₆	8 ⁵ / ₈	15					
			182T-184T	19		24½	41⅝					18 ⁵ / ₁₆	33 ⁵ / ₁₆		14⅞	16½					
	06	08	143T-145T	17¾		21⅜	41⅜	182TC-184TC	24¼			14 ⁵ / ₈	33	4½	8 ⁵ / ₈	15					
			182T-184T	19		44	34½					16½									
			213T-215T	19¾		26⅞	46⅝	213TC-215TC	25½			20⅞	36¾		14⅞	18¾					
	15-18	08	08	182T-184T		19	19½	26⅞	44			182TC-184TC	24¼		3⅜	20⅞					34½
213T-215T				19¾	46⅝	213TC-215TC			25½	2⅞	36¾	18¾									
19-22	03	05	143T-145T	23	23⅝	24	38½	182TC-184TC	20⅞	3⅜	18 ⁷ / ₁₆	31 ⁵ / ₁₆	2 ¹³ / ₁₆	14⅞	15	10⅞	10⅞	11¾	11¾		
			182T-184T	24			41⅞					32 ¹³ / ₁₆			16½						
			213T-215T	24¾			43¾					213TC-215TC			22⅝					2⅞	35 ¹ / ₁₆
	04	06	143T-145T	23		25	39½	182TC-184TC	22⅝	3⅜	18 ¹⁵ / ₁₆	31 ¹³ / ₁₆	3 ⁹ / ₁₆	14⅞	15						
			182T-184T	24			42⅞					33 ⁵ / ₁₆			16½						
			213T-215T	24¾			44¾					213TC-215TC			23⅝					2⅞	35 ⁹ / ₁₆
	06	06	143T-145T	23		25	39½	182TC-184TC	22⅝	3⅜	18 ¹⁵ / ₁₆	31 ¹³ / ₁₆	3 ⁹ / ₁₆	14⅞	15						
			182T-184T	24			42⅞					33 ⁵ / ₁₆			16½						
			213T-215T	24¾			44¾					213TC-215TC			23⅝					2⅞	35 ⁹ / ₁₆
	08	08	182T-184T	24		26⅞	44	182TC-184TC	24¼	3⅜	20⅞	34½	4½	14⅞	16½						
			213T-215T	24¾			46⅝	213TC-215TC	25½	2⅞		36¾		18¾							
			254T-256T	26			32¼	51⅜	254TC-256Tc	26⅝	25½	42⅞		19½	24⅞						
	10	10	213T-215T	24¾		26⅞	46⅝	213TC-215TC	25½	2⅞	20⅞	36¾	4½	14⅞	18¾						
			254T-256T	26			51⅜	254TC-256TC	26⅝		42⅞	19½		24⅞							
			284TS-286TS	26¾			32¼	53⅜	284TCS-286TCS	33⅜	25½	42⅞		24⅞							
	12	12	254T-256T	26		33¼	52⅜	254TS-256TS	27⅝	2⅞	26	42⅝	5	19½	24⅞						
			284TS-286TS	26¾			54⅜	284TSC-286TSC	34⅜		43⅜	24⅞									
			324TS-326TS	29¼			37¼	57⅞	324TSC-326TSC	36⅜	30	46⅜		23½	27⅞						
23-26	03	05	182T-184T	24	26⅝	25⅞	42¾	182TC-184TC	22½	3⅞	18 ¹³ / ₁₆	33 ¹¹ / ₁₆	3 ⁹ / ₁₆	14⅞	17	10⅞	10⅞	11¾	11¾		
			213T-215T	24¾			45⅝					213TC-215TC			N/A					35 ¹⁵ / ₁₆	19¼
			254T-256T	26			50⅞					254TC-256TC			N/A					24 ³ / ₁₆	41 ⁵ / ₁₆
	04	06	182T-184T	24		26½	44⅞	182TC-184TC	23⅞	3⅞	19½	34⅜	3⅞	14⅞	17						
			213T-215T	24¾			46¾					213TC-215TC			N/A					36⅝	19¼
			254T-256T	26			51⅞					254TC-256TC			N/A					24⅞	42
	06	08	182T-184T	24		26½	44⅞	182TC-184TC	23⅞	3⅞	19½	34⅜	3⅞	14⅞	17						
			213T-215T	24¾			46¾					213TC-215TC			25⅞					36⅝	19¼
			254T-256T	26			51⅞					254TC-256TC			26¼					24⅞	42
	08	08	213T-215T	24¾		26½	46¾	213TC-215TC	25⅞	3¼	19½	36⅝	3⅞	14⅞	19¼						
			254T-256T	26			51⅞					254TC-256TC			26¼					42	24⅝
			284TS-286TS	26¾			53½					284TS-286TS			33					24⅞	42¾
	10	10	254T-256T	26		33¼	52⅞	254TC-256TC	27⅝	3¼	26	43⅞	5	19½	24⅝						
			284TS-286TS	26¾			54⅞	284TCS-286TCS	34⅜			43⅞			25⅝						
			324TS-326TS	29¼			37¼	58⅝	324TCS-326TCS			36⅜			30					46⅜	23½
12	12	284TS-286TS	28¼	37¼	54⅞	284TCS-286TCS	34⅜	3¼	30	43⅞	5	23½	25⅝								
		324TS-326TS	29¼		58⅝	324TCS-326TCS	36⅜			43⅞			27⅞								

N/A = Not Available

Tolerance: ± 1/8"

* Dimensions may vary slightly depending on motor manufacturer. Given "H" dimensions were based on the larger of those motors most frequently used by **nyb**. † On fan Sizes 23-26 with Size 12 outlet and Bottom Horizontal discharge, the flange extends ½" below the floorline.

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

ARRANGEMENTS 1, 9, 10

Dimensions not to be used for construction unless certified. Note: See page 12 for dimensional drawings.

ARRANGEMENTS 1, 9, & 10 DIMENSIONS [INCHES]

[illegible]

† On fan sizes 12, outlet and Bottom Horizontal discharge, the flange extends ½" below the floorline.

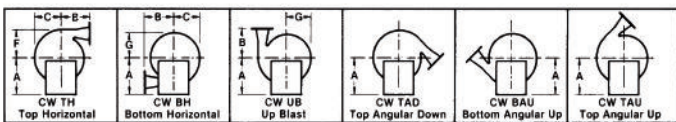
Tolerance: $\pm 1/8"$

ARRANGEMENT 9 DIMENSIONS [INCHES]

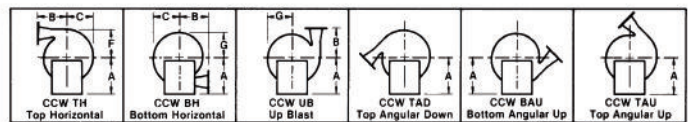
[illegible]

Tolerance: $\pm 1/8"$

FAN DISCHARGES – VIEWED FROM DRIVE SIDE



Clockwise—angular discharges at 45°



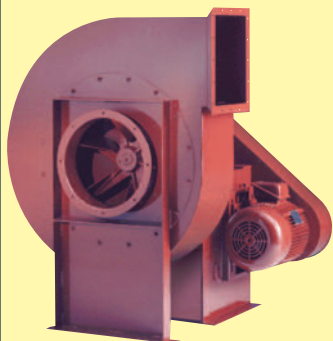
Counterclockwise—angular discharges at 45°

Housings are reversible and rotatable in 22½° increments except Down Blast and Bottom Angular Down which require special construction.
Arrangement 10 fans Sizes 19-22 are not rotatable in the field.

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

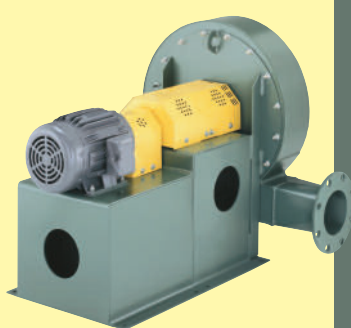
COMPLETE SELECTION OF AIR-MOVING EQUIPMENT

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.



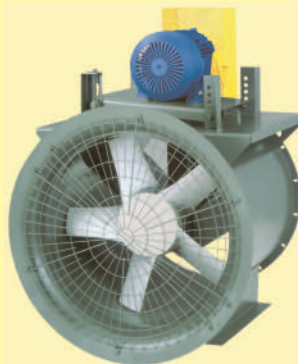
DUST/MATERIAL HANDLING

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.

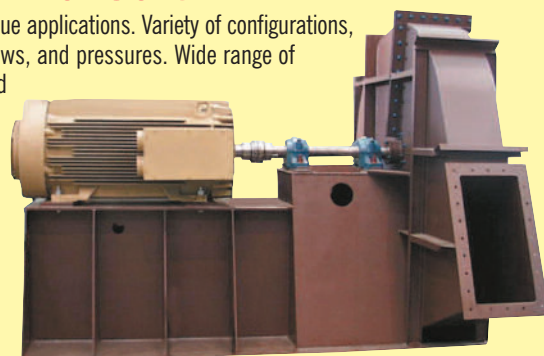


FIBERGLASS REINFORCED PLASTIC [FRP]

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.