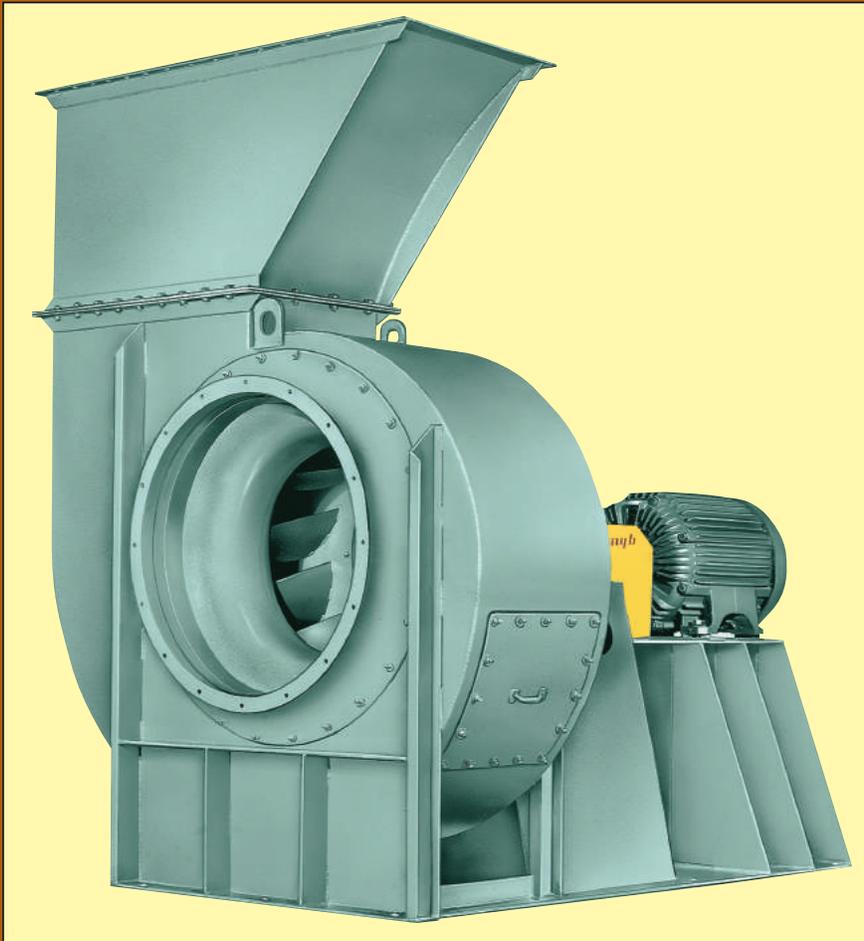
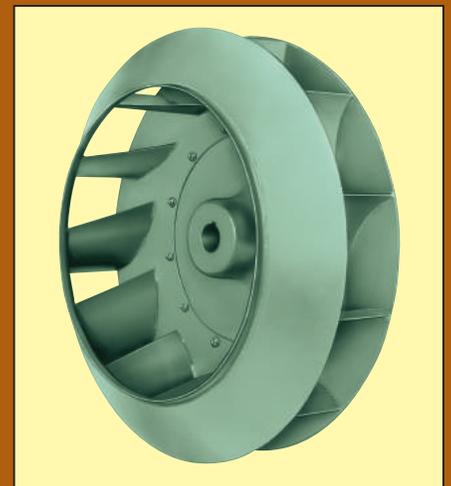


RTS FANS



- Capacities to 250,000 CFM
- Static pressures to 36"WG
- Temperatures to 750°F.

...standard Radial-Tip Fans
for industrial process air
and induced-draft service

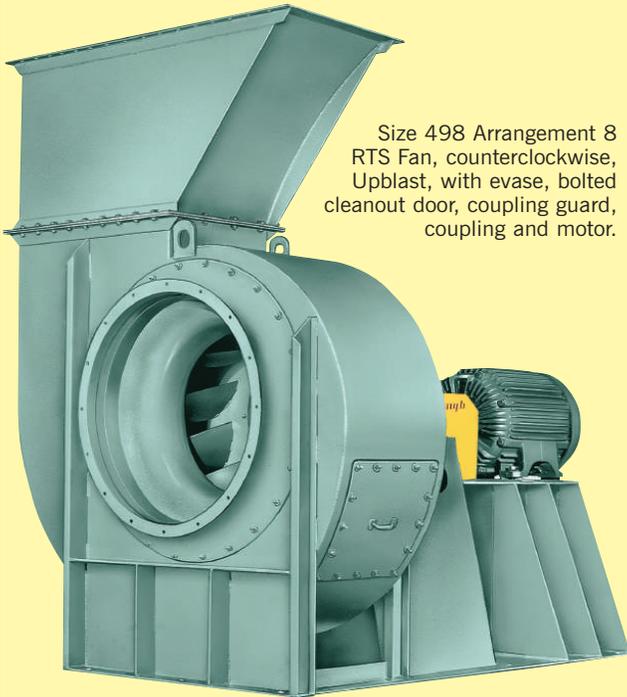


THE NEW YORK BLOWER COMPANY
7660 Quincy Street
Willowbrook, IL 60527-5530

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

RTS FANS

Standard RTS Fans with Radial-tip wheels for industrial process air and induced draft service.



Size 498 Arrangement 8
RTS Fan, counterclockwise,
Upblast, with evase, bolted
cleanout door, coupling guard,
coupling and motor.



Size 278 Arrangement 1 RTS Fan,
clockwise, Top Horizontal, with
inlet guard, evase, bolted cleanout
door, unitary base, belt guard,
shaft and bearing guard,
motor and drive.

DESIGN FEATURES

- Radial-tip wheel for dependable operation in particulate-laden airstreams.
- Wheel sizes from 27" to 89" blade diameters.
- Capacities to 250,000 CFM.
- Pressures to 36" WG.
- Temperatures to 750°F.
- Choice of direct-drive or belt-drive arrangements.
- Integral-base construction eliminates the need for field erection of independent bearing pedestals and sole plates...complete factory-assembled units up to Size 668 are test run and balanced prior to shipment.
- Available in clockwise and counterclockwise rotations in any of seven standard discharge positions.

CONSTRUCTION FEATURES

Flanged inlet and outlet-standard—on all sizes...furnished with bolt holes for ease of installation.

Lifting eyes-standard—on all sizes for ease of handling.

Shafting—high quality, close tolerance, turned, ground, and polished.

Shaft seal—ceramic-felt shaft seals standard on all fans...multiple seal elements compressed between metal backing plate and retainer.

Precision balancing—all RTS wheels are statically and dynamically balanced before final assembly...after final assembly all fans are given a final balance check on a rigid test bed at the specified running speed.

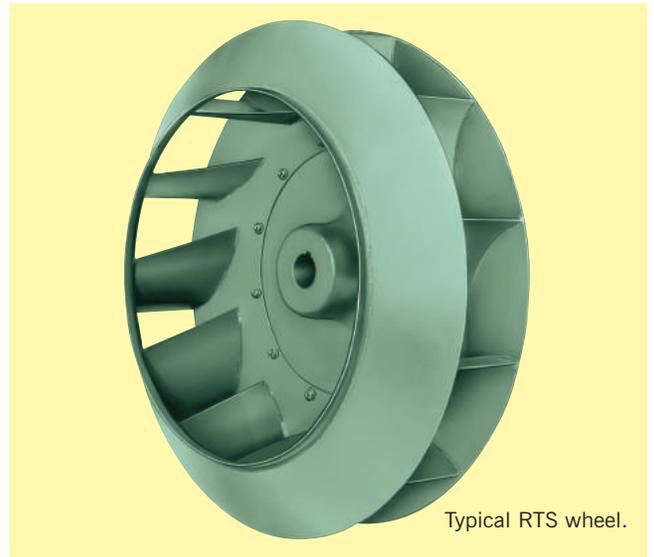
Heavy-duty spherical roller bearings—selected for long life through applicable speed range.

Standard two-coat paint system—two coats of medium green industrial enamel...301°F.-750°F. Heat Fans are coated with high-temperature paint.

RADIAL-TIP WHEELS

Radial-tip wheels—rugged, all-welded wheels capable of handling a variety of airstream compositions ranging from the relatively clean baghouse exhaust applications to recirculation of gases laden with dust, dirt, or particulate matter...various methods of abrasion-resistant construction are available...see below for details.

The performance characteristics of RTS Fans generally provide slower operating speeds than backwardly inclined fans. Air-handling efficiencies are generally higher than common radial fans, and have lower noise levels. Often, the overall fan size is physically smaller than radial fans when compared for a given capacity... see pages 8 to 9 for specific performance information.



Typical RTS wheel.

ABRASION-RESISTANT CONSTRUCTION



The following modifications are available to minimize wear caused by abrasion or erosion from airborne contaminants. The specific selection must be based on the experience of the user or specifier.

- Blades wheel blades fabricated of alloy steel with 321 minimum Brinell hardness.
- Blade liners partial liners continuously welded to blade wearing surface.
- Housing housing fabricated entirely of alloy steel with 321 minimum Brinell hardness.
- Scroll housing scroll fabricated entirely of alloy steel with 321 minimum Brinell hardness.
- Scroll liners removable liners bolted to housing interior...split housing required.
- Metallized inlet cone . . molten metal spray applied to the wearing surface.

Consult **nyb** for other abrasion-resistant construction options.

SAFETY EQUIPMENT

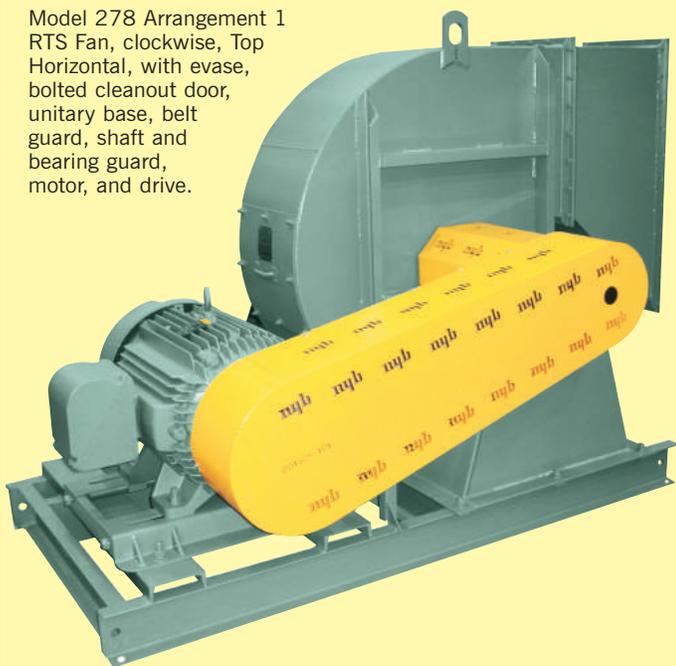
Belt guards, inlet and outlet guards, shaft and bearing guards, and coupling guards are available from The New York Blower Company. Contact your **nyb** representative for further information.

NOTE: Safe operation of air-moving equipment is dependent on proper installation and maintenance including selection and use of appropriate safety accessories for the specific installation. 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 International, 30 West University Drive, Arlington Heights, Illinois 60004, which is included with the packing slips for all shipments from **nyb** and available on request.

ACCESSORIES

Model 278 Arrangement 1
RTS Fan, clockwise, Top
Horizontal, with evase,
bolted cleanout door,
unitary base, belt
guard, shaft and
bearing guard,
motor, and drive.



Model 368 Arrangement 1
RTS Fan, clockwise, Upblast,
with outlet damper, unitary
base, and motor.



- **COMPANION FLANGES**

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

- **EVASE**

Aerodynamically designed evase provides attached flow for maximum static pressure regain and reduced outlet velocities.

- **DRAIN**

Welded tank flange [FPT], 1½" located at the lowest point in the housing scroll.



- **CLEANOUT DOOR**

Two types of gasketed door available...**bolted**: closely spaced studs keep door securely sealed...**raised bolted**: allows for insulation when desired, door raised 2" from the fan housing.

- **INLET BOX**

Minimizes entry losses normally associated with 90° turns at or near fan inlet...also available with parallel-blade damper for efficient volume control.

- **SHAFT SEALS**

Ceramic-felt shaft seals consist of compressed ceramic felt elements standard on Arrangements 1 and 8. Lubricated lip seals [Buna-N, Teflon®, and Viton®] and gas-purgeable mechanical seals are also available. Consult your **nyb** representative for availability.

[Teflon is a registered trademark of DuPont]
[Viton is a registered trademark of DuPont Dow Elastomers.]

- **INLET DAMPERS**

External vane construction provides prespun air effect to control fan performance efficiently...not available for use with inlet box...maximum temperature: 750°F.

- **VIBRATION ISOLATION**

Rubber-in-shear or spring-type isolation mounted to rugged structural unitary base reduces the transmission of vibration to the mounting structure.

- **UNITARY BASE**

Arrangement 1 fan, motor, and guards can be mounted and shipped on a rugged, structural-steel base. Factory-assembled and run-tested prior to shipment.

- **OTHER ACCESSORIES**

Also available from **nyb** are drive components such as motors, couplings, and v-belt drives as well as a variety of preventive-maintenance products including vibration detectors, bearing-temperature detectors, and zero-speed switches.

- **OUTLET DAMPERS**

Heavy-gauge parallel-blade or opposed-blade outlet dampers are available for volume control. Two standard temperature ranges: 300°F. and 800°F.

MODIFICATIONS

- **COATINGS**

Cost-effective protective coatings under a variety of trade names are available to increase the fan's resistance to adverse, corrosive environments.

- **INSULATION STUDS**

2-inch long weld-studs located on 12-inch centers on all surfaces of housing exterior...recommended for use with field-installed insulation...studs are normally mild steel; stainless steel available on request.

- **HEAT-FAN CONSTRUCTION**

Standard Arrangement 1 and 8 RTS Fans are designed to handle airstreams to 300°F.

RTS Fans handling 301°F. to 750°F. airstreams are furnished with shaft cooler and shaft cooler guard, and all surfaces are coated with high-temperature paint.

NOTE: Contact **nyb** when the intended service involves a temperature rate change exceeding 20°F. per minute.

- **NARROW-WIDTH AND SPECIAL DIAMETER CONSTRUCTION**

Wheel and housing widths and wheel diameter can be adjusted to meet volume and pressure requirements at most efficient operating point.

- **SPLIT-HOUSING CONSTRUCTION**

Provides for wheel and shaft removal...split portion can be removed without disturbing the inlet or outlet connections. This modification is standard on Sizes 738 – 898.

- **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.

AMCA C [BUFFER] SRC

To include a spark-resistant alloy buffer affixed to the housing interior adjacent to the wheel back-plate, a spark-resistant alloy inlet cone, and a buffer plate around the housing shaft-hole opening...maximum temperature: 650°F.

ALL TYPES SRC

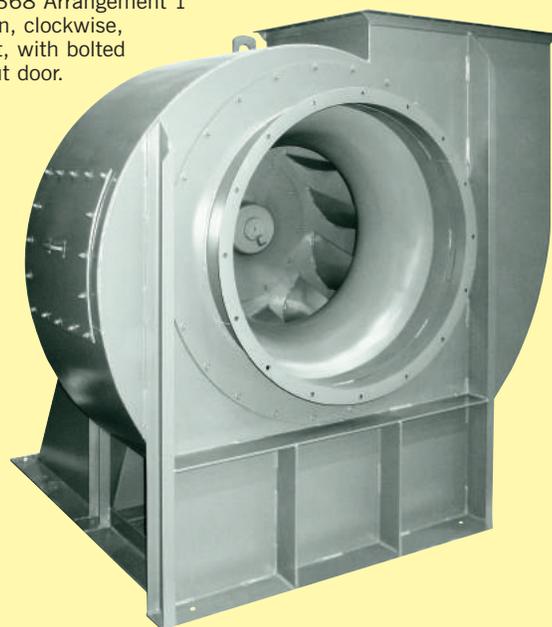
Fan is to be so constructed such that no bearings, drive components, or electrical apparatus are located in the airstream...the user must electrically ground all fan and system components.

Refer to Engineering Letter 15 for the full meaning and limits of spark-resistant construction.



Model 608 Arrangement 1
RTS Fan, counterclockwise,
Upblast, with raised
bolted cleanout door,
split housing, unitary
base, belt guard,
motor, and drive.

Model 368 Arrangement 1
RTS Fan, clockwise,
Upblast, with bolted
cleanout door.



- **SPECIAL ALLOYS**

RTS Fans are available with various grades of stainless steel for corrosive, non-abrasive airstream contaminants. Wheels can be furnished in 304 SST, 316 SST, 347 SST, or Alloy 2205. Consult **nyb** if other materials are required.

- **TECHNICAL SUPPORT**

nyb has developed numerous engineering and application support tools for system designers and operators. For further information, contact your local **nyb** sales representative or visit our web site at www.nyb.com.

RTS FANS

SPEED CAPABILITIES

Maximum safe operating speeds are shown in Chart I for RTS Fans with the standard high-strength steel wheel and the standard shaft and bearings as listed. Substitution of alternate wheel alloys, or modifications to the standard shaft and bearing selection, may alter the maximum safe speed.

Chart II provides safe speed correction factors for various temperatures and the common alternate wheel alloys. These factors apply to the wheel safe speeds listed in Chart I.

Example: A Size 368 RTS Fan with a 347 SST wheel operating at a maximum airstream temperature of 600°F will have a maximum safe operating speed of 1964 RPM [2455 x .80].

DENSITY CORRECTIONS

CALCULATING FANS AT TEMPERATURES OTHER THAN 70°F

When a fan handles air at 70°F, it is operating at .075 pounds per cubic foot. When a fan handles other than standard air, a density correction factor must be considered. Static pressure and brake horsepower vary inversely as the absolute temperature. For convenience, Chart III gives factors for correcting pressure and brake horsepower.

EXAMPLE

1. Require 15,000 CFM at 12"SP at 300°F at sea level.
2. Chart III indicates 1.43 factor for 300°F
3. Select the fan for 17.2"SP [12" x 1.43] at 70°F.
4. Divide 70°F brake horsepower by 1.43 to determine BHP at conditions.

CALCULATING FANS AT ALTITUDES OTHER THAN SEA LEVEL [29.92 in. Hg]

If speed, capacity, and temperature are kept constant, static pressure and horsepower will vary directly as the density of the air. The method for correcting the altitude is the same as for temperature except using the factors in Chart IV.

CHART I MAXIMUM OPERATING SPEEDS RTS FAN WHEELS, SHAFTS, AND BEARINGS

Size	Wheels	Arrangement 1 shaft and bearings			Arrangement 8 shaft and bearings		
	Maximum safe speed	Maximum safe speed	Shaft dia.	Bearing type*	Maximum safe speed	Shaft dia.	Bearing type*
278	3325	3325	27/16	P-LB6839	3075	23/16	P-B22435
308	2995	2995	27/16	P-LB6839	2800	27/16	P-B22439
338	2725	2725	21 1/16	P-LB6843	2640	27/16	P-B22439
368	2455	2455	2 15/16	P-LB6847	2250	2 11/16	P-B22443
408	2200	2200	37/16	P-LB6855	2200	2 15/16	P-B22447
448	1990	1990	37/16	P-LB6855	1990	2 15/16	P-B22447
498	1810	1810	3 15/16	P-LB6863	1810	37/16	P-B22455
548	1630	1630	3 15/16	P-LB6863	1630	37/16	P-B22455
608	1470	1470	47/16	P-LB6871	1470	3 15/16	P-B22463
668	1340	1340	4 15/16	P-LB6879	1340	3 15/16	P-B22463
738	1210	NA	NA	NA	1210	47/16	P-B22571
808	1100	NA	NA	NA	1100	4 15/16	SAF22600
898	990	NA	NA	NA	990	4 15/16	SAF22600

NA – Not available. *nyb reserves the right to substitute bearings of equal rating. Link-Belt bearings are shown for reference.

NOTE: Higher safe speeds and static pressures are available with narrow-width construction; consult nyb.

CHART II TEMPERATURE CORRECTION FACTORS FOR MAXIMUM OPERATING SPEEDS

Airstream temp. [°F]	Materials of construction				
	Standard steel wheel	Aluminum	Stainless 304	Stainless 316	Stainless 347
-50°	1.00	1.00	0.82	0.78	0.88
70°	1.00	1.00	0.82	0.78	0.88
200°	1.00	0.97	0.73	0.75	0.84
300°	1.00	—	0.68	0.72	0.81
400°	1.00	—	0.64	0.70	0.80
500°	0.97	—	0.62	0.68	0.80
600°	0.93	—	0.60	0.66	0.80
700°	0.89	—	0.58	0.64	0.79
750°	0.87	—	0.57	0.64	0.79

CHART III TEMPERATURE CORRECTIONS

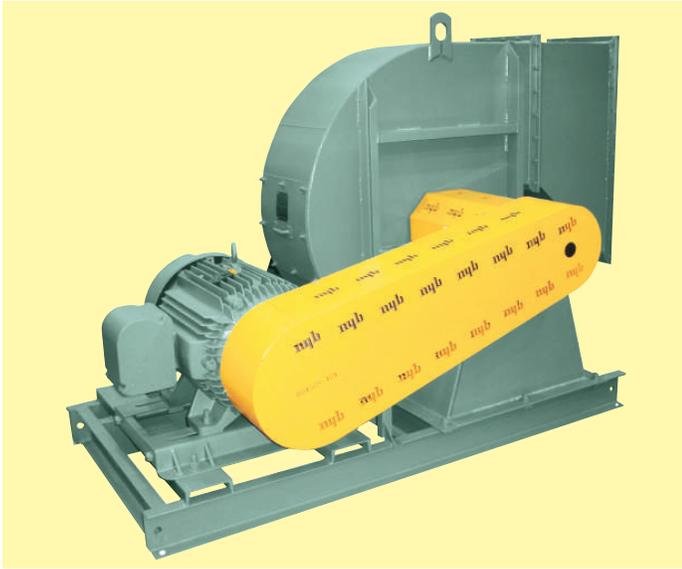
Temp. °F.	Factor
0	.87
20	.91
40	.94
60	.98
70	1.00
80	1.02
100	1.06
120	1.09
140	1.13
160	1.17
180	1.21
200	1.25
300	1.43
400	1.62
500	1.81
600	2.00
750	2.28

CHART IV 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
5500	1.23
6000	1.25
7000	1.30
8000	1.35
9000	1.40
10000	1.45

NOTE: If correction factor for both temperature and altitude is required, multiply factors from Charts III and IV together: 3000' and 600°F. 1.12 x 2.00 = 2.24 [combined factor].

FAN SELECTION



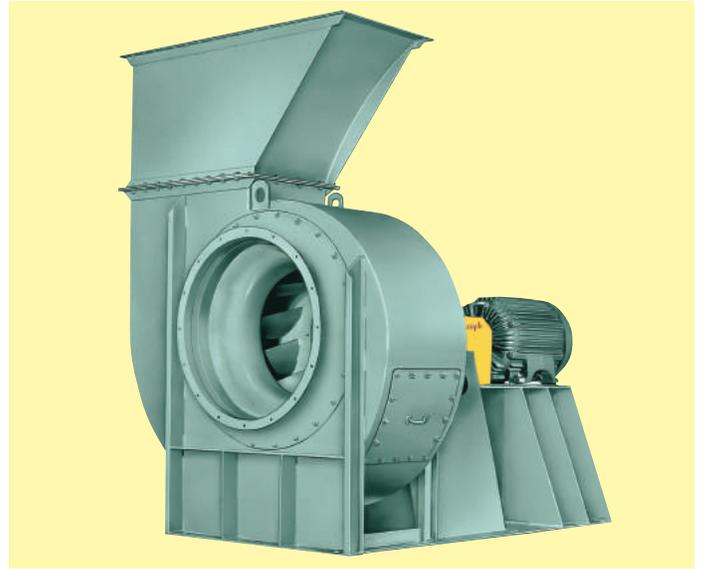
BELT-DRIVE FANS

The use of belt-drive arrangements provides flexibility in fan performance by changing sheaves and belts to modify fan speed.

The high speeds and horsepower requirements of RTS Fans require proper drive selection to minimize shaft stress and maximize belt and bearing life. To ensure satisfactory motor performance, 1800 RPM motors 250 HP and above require motor-vendor approval of drive selection.

Arrangement 1 fans are available in 27" to 66" wheel diameters.

Maximum temperatures: Standard fan - 300°F., Heat fan - 750°F.



DIRECT-DRIVE FANS

It is often more cost-effective to use direct-drive fans due to reduced bearing loads and maintenance. However, a major objection to direct-drive arrangements in the past was the inability to adjust fan speed if system requirements changed. With the advent of variable frequency drives [VFD] the speed and therefore performance of direct-drive fans can now be adjusted to meet varying process requirements.

Arrangement 8 fans are available in 27" to 89" wheel diameters.

USING CAPACITY TABLES

The capacities shown in the tables on pages 8-9 are based on belt-drive selections. For a required performance, the tables provide a means of determining fan size, outlet velocity, speed, and brake horsepower. Performance shown includes the effects of the evase discharge. For capacities without evase, and for direct-drive fan performance (including sizes 738 to 898), use **nyb** Electronic Catalog software [see description below]. To obtain a copy contact your New York Blower sales representative or **nyb** at www.nyb.com.

1. Ratings are based on standard 70°F. air at a density of .075 pounds per cubic foot. See page 6 for density correction factors.
2. Performance shown is for RTS Fans with evase discharges, with outlet ducts, and with or without inlet ducts.
3. For a given selection, check the required fan speed at the maximum operating temperature against the maximum safe speeds shown in Chart I on page 6.



ELECTRONIC CATALOG

Fan-selection program corrects for altitude, temperature, rarefaction, adjusts maximum safe speed for wheel width, and generates performance curves. Also includes complete product literature, guide specifications, installation and maintenance literature, Engineering Letters, web-site launch, and a listing of New York Blower sales representatives.

SIZE 278		WITH EVASE		Wheel diameter: 27.0" Wheel circumference: 7.07'				Capacity outlet area: 4.60ft. ²				Maximum BHP = 4.08 $\left[\frac{\text{RPM}}{1000}\right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9000	1957	1799	20.1	1931	24.0	2062	28.3	2178	32.4	2290	36.7	2405	41.4	2623	51.3	2829	62.0				
10000	2174	1846	22.5	1980	26.9	2100	31.2	2213	35.7	2323	40.2	2435	45.2	2641	55.2	2835	65.8	3018	76.8		
11000	2391	1906	25.3	2026	29.7	2144	34.4	2255	39.1	2364	44.1	2467	49.0	2663	59.3	2859	70.6	3035	81.8	3207	93.8
12000	2609	1967	28.4	2081	33.0	2192	37.8	2303	42.9	2411	48.2	2514	53.7	2704	64.4	2885	75.6	3056	87.2	3224	99.5
13000	2826	2030	31.7	2144	36.7	2256	42.0	2361	47.3	2457	52.4	2553	57.9	2745	69.6	2921	81.4	3090	93.5	3255	106
14000	3043	2099	35.4	2210	40.8	2317	46.3	2417	51.8	2514	57.4	2605	62.9	2786	74.8	2959	87.1	3124	99.9	3288	113
15000	3261	2170	39.4	2278	45.1	2376	50.6	2477	56.6	2570	62.4	2663	68.5	2842	81.1	3005	93.5	3169	107	3322	120
16000	3478	2243	43.7	2343	49.5	2443	55.6	2541	61.9	2636	68.3	2719	74.1	2889	86.9	3050	100	3213	114		
17000	3696	2318	48.4	2416	54.5	2509	60.6	2609	67.6	2695	73.8	2786	80.8	2949	93.9	3103	107	3257	121		

SIZE 308		WITH EVASE		Wheel diameter: 30.0" Wheel circumference: 7.85'				Capacity outlet area: 5.62 ft. ²				Maximum BHP = 6.92 $\left[\frac{\text{RPM}}{1000}\right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11000	1957	1617	24.6	1733	29.3	1848	34.4	1955	39.6	2059	44.9	2165	50.9	2357	62.8	2547	76.3				
12250	2180	1658	27.5	1776	32.8	1887	38.3	1992	43.9	2094	49.7	2190	55.5	2372	67.5	2551	80.8	2721	94.9		
13500	2402	1710	31.0	1821	36.5	1925	42.1	2028	48.1	2122	53.9	2217	60.1	2398	73.1	2571	86.7	2735	101	2882	115
14750	2625	1768	34.9	1874	40.7	1972	46.5	2075	53.0	2162	58.9	2258	65.8	2426	78.7	2593	92.8	2752	108	2896	122
16000	2847	1827	39.1	1929	45.2	2028	51.6	2120	58.0	2208	64.4	2298	71.4	2462	85.0	2625	99.9	2781	115	2925	131
17250	3069	1887	43.5	1986	50.1	2081	56.8	2174	63.8	2258	70.4	2343	77.5	2512	92.6	2665	108	2811	123	2954	139
18500	3292	1949	48.3	2045	55.3	2137	62.3	2226	69.6	2312	77.0	2394	84.2	2553	99.6	2705	116	2850	132	2993	149
19750	3514	2017	53.8	2111	61.2	2200	68.7	2287	76.4	2370	84.1	2448	91.6	2601	107	2745	123	2889	141		
21000	3737	2087	59.8	2175	67.3	2262	75.2	2346	83.2	2426	91.3	2507	99.6	2654	116	2798	133	2936	151		

SIZE 338		WITH EVASE		Wheel diameter: 33.0" Wheel circumference: 8.64'				Capacity outlet area: 6.83 ft. ²				Maximum BHP = 11.2 $\left[\frac{\text{RPM}}{1000}\right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12000	1757	1435	26.7	1551	32.4	1660	38.3	1762	44.4	1860	50.7	1960	57.7	2137	71.8						
13750	2013	1479	30.7	1584	36.5	1687	42.8	1789	49.6	1883	56.2	1970	62.8	2150	78.0	2309	93.1				
15500	2269	1529	35.1	1630	41.5	1729	48.3	1823	55.1	1913	62.3	1999	69.4	2167	84.7	2326	101	2475	118	2620	136
17250	2526	1586	40.3	1682	47.0	1780	54.5	1867	61.5	1950	68.8	2041	77.2	2195	92.5	2346	109	2489	126	2628	144
19000	2782	1648	46.1	1740	53.3	1827	60.6	1919	68.9	1997	76.3	2082	84.9	2230	101	2384	119	2524	138	2651	155
20750	3038	1710	52.1	1802	60.2	1887	68.1	1969	76.2	2053	85.0	2127	93.2	2279	111	2415	129	2551	148	2685	168
22500	3294	1776	58.9	1866	67.7	1952	76.5	2026	84.6	2106	93.8	2182	103	2325	121	2460	140	2595	161	2719	181
24250	3551	1847	66.7	1931	75.6	2010	84.5	2090	94.2	2168	104	2240	113	2377	132	2511	153	2638	173		
26000	3807	1923	75.5	2001	84.6	2078	94.2	2152	104	2227	114	2297	124	2433	145	2560	165	2680	186		

SIZE 368		WITH EVASE		Wheel diameter: 36.5" Wheel circumference: 9.56'				Capacity outlet area: 8.41 ft. ²				Maximum BHP = 18.5 $\left[\frac{\text{RPM}}{1000}\right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18000	2140	1363	40.6	1456	48.1	1545	55.9	1635	64.4	1716	72.6	1798	81.5	1953	100	2098	119	2233	139		
20000	2378	1405	45.9	1496	54.0	1584	62.5	1667	71.2	1747	80.2	1822	89.0	1970	108	2108	128	2247	149	2373	171
22000	2616	1455	52.0	1542	60.6	1625	69.6	1703	78.5	1783	88.2	1858	98.0	2002	118	2137	139	2264	160	2387	182
24000	2854	1509	58.9	1593	68.1	1673	77.6	1752	87.5	1822	96.9	1893	107	2033	128	2165	150	2290	173	2403	194
26000	3092	1564	66.2	1645	76.1	1722	86.1	1798	96.5	1865	106	1937	117	2069	139	2200	162	2317	185	2438	210
28000	3329	1623	74.5	1698	84.6	1773	95.3	1846	106	1915	117	1985	129	2111	151	2234	175	2350	199		
30000	3567	1682	83.4	1757	94.3	1830	106	1901	117	1968	129	2030	140	2156	164	2274	188	2391	214		
32000	3805	1743	93.2	1817	105	1885	116	1954	129	2019	141	2084	153	2205	178	2318	203	2430	230		
34000	4043	1809	104	1878	116	1945	129	2009	141	2072	154	2136	167	2253	193	2367	220				

SIZE 408		WITH EVASE		Wheel diameter: 40.25" Wheel circumference: 10.5'				Capacity outlet area: 10.2 ft. ²				Maximum BHP = 38.2 $\left[\frac{\text{RPM}}{1000}\right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
23000	2250	1211	52.6	1300	63.0	1387	74.2	1468	85.4	1552	97.9	1624	109	1780	136	1916	163				
26000	2544	1249	60.2	1336	71.5	1415	82.8	1494	94.9	1569	107	1646	121	1784	147	1920	176	2047	205		
29000	2838	1291	68.8	1377	81.0	1455	93.4	1528	106	1603	120	1674	133	1806	161	1936	191	2058	222	2175	254
32000	3131	1333	78.3	1418	91.4	1492	104	1565	117	1635	131	1706	146	1834	176	1961	208	2071	238	2186	272
35000	3425	1379	89.2	1461	103	1535	117	1609	131	1675	145	1742	161	1868	192	1985	224	2102	259		
38000	3718	1429	101	1504	115	1580	130	1650	145	1718	161	1781	176	1906	210	2016	242	2132	279		
41000	4012	1482	115	1556	130	1626	146	1694	161	1763	178	1824	194	1942	228	2058	264	2161	299		
44000	4305	1533	130	1605	146	1673	162	1739	179	1801	195	1864	212	1982	248	2092	284				
47000	4599	1588	146	1659	163	1726	181	1790	198	1851	216	1912	234	2026	270	2137	309				

Performance shown is for RTS Fans with evase discharges, with outlet ducts, and with or without inlet ducts. BHP does not include belt losses.

SIZE 448		WITH EVASE		Wheel diameter: 44.5" Wheel circumference: 11.7'				Capacity outlet area: 12.5 ft. ²				Maximum BHP = 62.6 $\left[\frac{\text{RPM}}{1000} \right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
27000	2158	1082	61.3	1166	74.0	1248	87.7	1325	102	1399	116	1468	130	1609	162	1736	210				
30500	2438	1117	70.2	1195	83.3	1269	97.2	1344	112	1415	128	1482	143	1614	176	1736	210				
34000	2718	1152	79.6	1228	93.8	1302	109	1371	124	1437	140	1503	157	1629	191	1746	226	1854	262	1967	302
37500	2998	1186	90.0	1262	105	1336	122	1400	137	1467	154	1528	171	1644	206	1757	243	1870	283	1972	322
41000	3277	1228	103	1301	119	1371	135	1437	152	1499	170	1558	187	1671	224	1782	263	1887	303	1988	345
44500	3557	1267	116	1337	132	1408	151	1471	168	1535	187	1595	206	1702	244	1807	283	1911	327		
48000	3837	1312	131	1378	148	1447	167	1507	185	1572	206	1625	224	1737	265	1842	308	1941	352		
51500	4117	1358	147	1423	166	1487	185	1549	205	1608	226	1663	245	1771	287	1870	331	1970	377		
55000	4396	1406	165	1469	185	1528	205	1589	226	1646	247	1699	268	1807	312	1908	358				

SIZE 498		WITH EVASE		Wheel diameter: 49.0" Wheel circumference: 12.8'				Capacity outlet area: 15.3 ft. ²				Maximum BHP = 101 $\left[\frac{\text{RPM}}{1000} \right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
34000	2230	994	77.9	1066	92.8	1139	110	1207	126	1272	144	1338	163	1455	199	1577	242				
38000	2492	1022	87.8	1092	104	1160	121	1227	140	1291	159	1351	177	1469	218	1578	259				
42000	2754	1051	98.5	1123	117	1187	135	1249	153	1309	173	1369	193	1477	233	1589	279	1687	322	1788	371
46000	3016	1083	111	1152	130	1216	149	1275	168	1335	189	1392	210	1497	253	1600	298	1696	344	1797	396
50000	3279	1118	126	1185	145	1246	165	1306	186	1364	207	1417	229	1521	274	1618	320	1714	369	1806	420
54000	3541	1151	140	1216	161	1278	182	1336	204	1395	227	1446	249	1545	295	1641	344	1737	397		
58000	3803	1190	158	1251	179	1312	202	1371	225	1424	247	1477	271	1576	321	1668	371	1759	424		
62000	4066	1228	176	1287	199	1346	223	1401	246	1455	270	1507	295	1606	347	1694	397	1781	451		
66000	4328	1269	197	1328	221	1383	245	1436	270	1489	295	1539	321	1635	373	1725	427				

SIZE 548		WITH EVASE		Wheel diameter: 54.25" Wheel circumference: 14.2'				Capacity outlet area: 18.7 ft. ²				Maximum BHP = 169 $\left[\frac{\text{RPM}}{1000} \right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
43000	2306	903	98.2	970	118	1031	137	1092	158	1154	182	1208	203	1317	250	1424	322	1519	377	1610	433
48000	2574	930	111	992	131	1056	154	1112	175	1170	199	1223	222	1328	272	1437	349	1524	402	1614	462
53000	2842	959	126	1022	148	1079	170	1135	193	1188	217	1242	243	1344	295	1437	349	1524	402	1614	462
58000	3110	989	142	1049	165	1107	188	1163	214	1214	239	1264	265	1359	318	1451	375	1537	432	1626	496
63000	3378	1019	160	1080	185	1135	209	1189	235	1241	262	1289	289	1383	346	1470	403	1556	465		
68000	3646	1052	180	1109	205	1165	232	1217	259	1271	288	1317	315	1406	373	1493	435	1574	497		
73000	3914	1089	202	1144	229	1196	257	1247	284	1298	315	1346	345	1432	403	1520	470	1597	533		
78000	4182	1126	227	1178	254	1229	283	1278	313	1328	344	1374	375	1461	437	1545	505	1619	568		
83000	4450	1161	252	1215	283	1262	312	1311	344	1359	377	1405	409	1493	476	1569	540				

SIZE 608		WITH EVASE		Wheel diameter: 60.0" Wheel circumference: 15.7'				Capacity outlet area: 22.7 ft. ²				Maximum BHP = 282 $\left[\frac{\text{RPM}}{1000} \right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
50000	2200	808	114	868	137	926	161	983	187	1038	213	1089	239	1191	297	1284	356				
57000	2508	834	132	893	156	949	183	1001	209	1054	238	1100	264	1198	325	1288	388	1378	456	1457	521
64000	2816	863	151	920	178	973	205	1024	234	1074	263	1119	292	1213	357	1299	423	1380	490	1463	565
71000	3124	893	173	951	203	1000	231	1049	260	1098	293	1145	325	1231	391	1311	457	1389	528		
78000	3432	926	199	981	230	1031	260	1081	293	1125	324	1168	357	1253	428	1332	499	1410	575		
85000	3740	960	227	1012	259	1063	293	1110	327	1155	361	1197	395	1278	467	1356	544	1429	621		
92000	4048	997	259	1047	294	1095	328	1141	364	1184	399	1228	437	1309	514	1384	593	1453	672		
99000	4355	1036	295	1084	331	1130	368	1172	404	1217	444	1256	480	1338	562	1409	642				
106000	4663	1076	334	1120	371	1166	412	1208	450	1249	490	1290	531	1365	612	1442	702				

SIZE 668		WITH EVASE		Wheel diameter: 66.0" Wheel circumference: 17.3'				Capacity outlet area: 27.7 ft. ²				Maximum BHP = 451 $\left[\frac{\text{RPM}}{1000} \right]^3$									
CFM	OV	10"SP		12"SP		14"SP		16"SP		18"SP		20"SP		24"SP		28"SP		32"SP		36"SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
60000	2168	734	137	789	165	842	194	895	226	942	256	989	288	1080	356	1169	430				
68000	2458	756	157	809	187	858	217	906	248	956	284	1002	319	1088	390	1173	467	1250	544		
76000	2747	780	178	833	211	882	244	926	277	972	313	1014	348	1097	423	1177	503	1252	584	1327	671
84000	3036	806	204	857	237	906	273	951	309	994	346	1033	383	1114	462	1188	543	1261	629	1332	718
92000	3325	834	232	883	268	930	305	973	342	1017	382	1058	423	1134	505	1207	592	1275	679		
100000	3614	862	263	910	301	955	340	999	380	1041	422	1080	463	1156	551	1225	639	1294	734		
108000	3903	895	299	939	338	983	380	1026	422	1067	465	1104	507	1176	596	1246	691	1311	787		
116000	4192	925	336	969	379	1012	423	1054	468	1094	513	1130	557	1203	652	1270	748	1336	853		
124000	4481	959	379	1002	425	1042	470	1083	518	1122	566	1157	611	1228	709	1296	813				

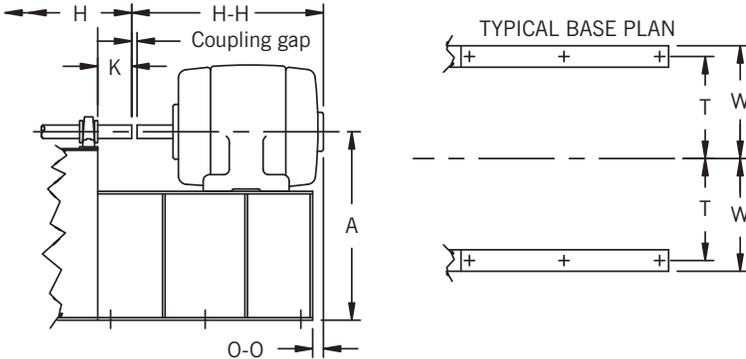
Performance shown is for RTS Fans with evase discharges, with outlet ducts, and with or without inlet ducts. BHP does not include belt losses.

DIMENSIONS [INCHES] Not to be used for construction unless certified.

ARRANGEMENT 8 MOTOR PEDESTAL DIMENSIONS

These approximate dimensions can be used to estimate the overall size of Arrangement 8 fans. Add the appropriate dimensions below to the fan dimensions on page 10.

Note: coupling gap is based on the FALK STEELFLEX coupling sizes shown. As the gap will vary with other coupling sizes or types, so will the Arrangement 8 motor pedestal dimensions. Specific motor and coupling data is required to determine exact dimensions.



DIMENSIONS [INCHES] ARRANGEMENT 8 ONLY

Motor frame size	Coupling		O-O*		H-H*			
					Open		TE	
	Size	Gap	Min.	Max.	Min.	Max.	Min.	Max.
213T -215T	50T	1/8	13/8	5 1/2	15 7/8	17 3/8	17 7/8	20
254T -256T	60T	1/8	1	5 7/8	20 5/8	22 1/2	22 1/2	25 1/2
284T -286T	70T	1/8	1 1/2	6 3/8	23 1/2	25 1/8	25 3/8	28 3/8
284TS-286TS	70T	1/8	1 1/2	6 1/2	22 1/8	23 3/4	24 1/8	27 1/8
324T -326T	80T	1/8	1	6 3/4	26 1/8	27 3/4	28 1/4	31 7/8
324TS-326TS	80T	1/8	1	6 3/4	24 5/8	26 1/8	26 3/4	30 3/8
364T -365T	90T	1/8	1 1/8	7	28 1/4	29 7/8	32 1/2	34 1/8
364TS-365TS	90T	1/8	1 5/8	7	26 5/8	27 5/8	30 3/8	32
404T -405T	90T	1/8	2 3/8	8 3/4	32 5/8	34 1/4	37 3/8	39
404TS-405TS	90T	1/8	2 3/8	8 3/4	29 5/8	31 1/4	34 3/8	36
444T -445T	100T	3/16	1 5/8	9 3/8	37 3/8	40	42	45 1/8
444TS-445TS	100T	3/16	2 1/8	9 3/8	34 1/8	36 1/4	38 3/8	41 3/8

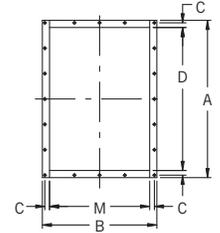
*H-H and O-O based on several major motor manufacturers—consult **nyb** for exact dimensions. Dimensions not to be used for construction unless certified.

FAN SPECIFICATIONS ARRANGEMENT 8 ONLY

Size	Wheel diameter [inches]	Wheel circumference [feet]	Capacity outlet area with evase [sq. ft.]
738	73	19.1	33.8
808	80 3/4	21.1	41.3
898	89	23.3	50.7

FLANGED OUTLET

1. Mounted flush with edge of housing outlet.
2. Furnished as standard with holes on 4" centers from centerlines.



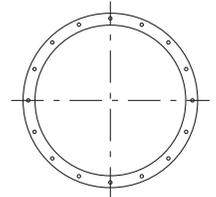
DIMENSIONS [INCHES]

Size	A		B†	C	D		M†	Standard holes			
	Fan	Evase			Fan	Evase		Sides	†Top/bottom	Size	
									Fan	Evase	
278	27 3/8	43 1/2	19 3/8	3/4	24 7/8	41	16 7/8	7	11	3	7/16
308	30 3/8	48 1/2	21 1/2	7/8	27 3/8	45 1/2	18 1/2	7	11	5	7/16
338	33 1/4	53	23 3/8	7/8	30 1/4	50	20 3/8	9	13	5	7/16
368	36 1/2	58 1/4	25 5/8	7/8	33 1/2	55 1/4	22 5/8	9	15	5	7/16
408	39 7/8	63 7/8	27 7/8	7/8	36 7/8	60 7/8	24 7/8	9	15	5	7/16
448	44 3/4	71 1/4	31 1/2	1 1/8	40 3/4	67 1/4	27 1/2	11	17	7	9/16
498	48 7/8	78	34 3/8	1 1/8	44 7/8	74	30 3/8	11	19	7	9/16
548	53 5/8	85 7/8	37 1/2	1 1/8	49 5/8	81 7/8	33 1/2	13	21	7	9/16
608	58 5/8	94 1/2	40 7/8	1 1/8	54 5/8	90 1/2	36 7/8	15	23	9	9/16
668	64 3/8	103 1/2	44 3/4	1 1/8	60 3/8	99 1/2	40 3/4	15	25	9	9/16
738	70 7/8	114	49	1 1/8	66 7/8	110	45	17	29	11	9/16
808	77 1/2	126	53 1/2	1 1/8	73 1/2	122	49 1/2	19	31	11	9/16
898	85 1/4	139	58 3/4	1 1/8	81 1/4	135	54 3/4	21	35	13	9/16

†Dimensions will vary with narrow-width construction. Tolerance: ± 1/8"

FLANGED INLET

Furnished as standard with holes on vertical centerline.

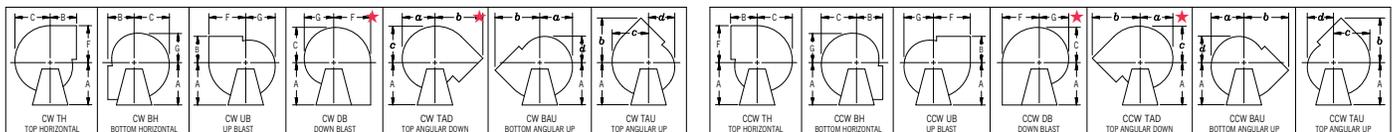


DIMENSIONS [INCHES]

Size	Inside diameter	Bolt circle	Outside diameter	Standard holes	
				Number	Diameter
278	24 3/8	26 1/8	27 3/8	16	9/16
308	26 7/8	29 1/8	30 7/8	16	9/16
338	29 1/2	31 3/4	33 1/2	16	9/16
368	32 7/8	35 1/8	36 7/8	16	9/16
408	36 1/8	38 3/8	40 1/8	16	9/16
448	40 1/8	42 3/8	44 1/8	16	9/16
498	43 7/8	46 1/8	47 7/8	24	9/16
548	48 7/8	51 1/8	52 7/8	24	9/16
608	53 7/8	56 1/8	57 7/8	24	9/16
668	59 3/8	61 5/8	63 3/8	24	9/16
738	66 1/8	68 3/8	70 1/8	32	9/16
808	72 5/8	74 7/8	76 5/8	32	9/16
898	80 5/8	82 7/8	84 5/8	32	9/16

Tolerance: ± 1/8"

FAN DISCHARGES – VIEWED FROM DRIVE SIDE

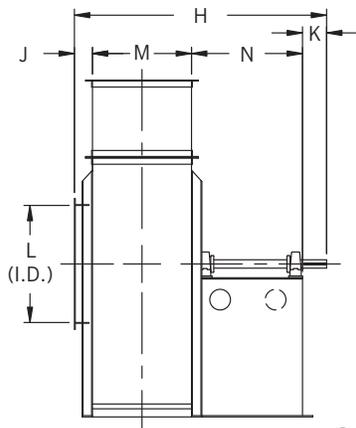


Clockwise—angular discharges at 45°

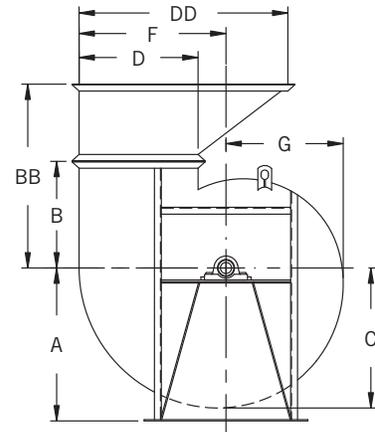
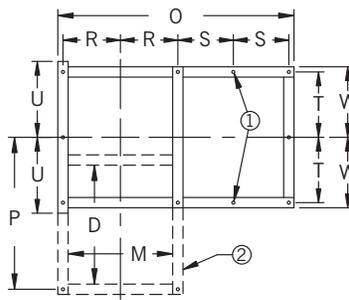
Counterclockwise—angular discharges at 45°

★ Down Blast and Top Angular Down discharge positions must be evaluated for clearance of accessories such as unitary base, outlet damper, evase, etc. Consult **nyb** with specific details.

DIMENSIONS [INCHES] Not to be used for construction unless certified.



① Omitted on Sizes 278 through 338.



② Base bars form flanged outlet on Down Blast.

M, D, and DD are outside housing dimensions. J is from housing side over inlet. L is inside diameter.

ARRANGEMENTS 1 AND 8																					
Size	A							B				BB		C	D	DD	F	G	H†		J
	TH	TAD	BH	BAU	UB	TAU	DB	*	TAD	*	TAD	C	D						DD	F	
278	25 3/4	25 3/4	31 1/4	31 1/4	27 1/2	27 1/2	25 3/4	20 1/2	30 3/4	40 1/4	50 1/2	25	24 7/8	41	28 3/4	21 1/8	47 7/8	47 7/8	5		
308	27 1/4	27 1/4	34 1/2	34 1/2	30 1/4	30 1/4	26 1/4	22 1/2	33 1/4	44 3/8	55 1/8	27 3/4	27 3/8	45 1/2	32	23 1/2	52	51 1/2	5		
338	29 1/2	29 1/2	38 1/2	38 1/2	33 1/4	33 1/4	26 1/2	24 1/2	36	48 3/8	60 1/8	30 1/2	30 1/4	50	35 1/8	25 7/8	57 3/8	56 3/8	6		
368	32 3/4	32 3/4	42 1/4	42 1/4	35 1/2	35 1/2	29	29	40 3/4	55 5/8	67 3/8	33 3/4	33 1/2	55 1/4	38 7/8	28 5/8	63 1/8	61 5/8	6		
408	36	36	46 1/4	46 1/4	40	40	31	31	44	60 3/8	73 3/8	37 1/4	36 7/8	60 7/8	42 7/8	31 1/2	68 7/8	67 7/8	6		
448	39	39	50 3/4	50 3/4	44	44	33 1/2	33 1/2	47 3/4	66	80 1/4	41 1/8	40 3/4	67 1/4	47 1/4	34 7/8	75	73 1/2	6		
498	42	42	55 1/2	55 1/2	48 1/4	48 1/4	36	36	52	71 3/4	87 3/4	45 1/2	44 7/8	74	52 1/8	38 1/4	81 3/8	79 3/8	6		
548	46	46	61 1/2	61 1/2	53 1/4	53 1/4	40	40	56 3/4	79 5/8	96 3/8	50 1/4	49 5/8	81 7/8	57 5/8	42 3/8	90	87 1/2	7		
608	51	51	67 3/4	67 3/4	58 1/2	58 1/2	43	43	62 1/2	86 3/4	106 1/4	55 3/8	54 5/8	90 1/2	63 3/4	46 7/8	98 7/8	96 7/8	7		
668	55	55	74	74	64 1/4	64 1/4	47	47	68	95 1/8	116 1/8	60 3/4	60 3/8	99 1/2	70 1/8	51 1/2	107 1/4	104 3/4	7		
738	64	60	81 1/2	78 1/2	75 3/4	71	51 1/2	51 1/2	74 1/2	104 3/4	127 3/4	67 1/4	66 7/8	110	77 1/2	57	NA	114	7		
808	70	65 1/2	89 3/4	86 1/4	82 7/8	77 5/8	57 1/2	57 1/2	65 1/2	116 3/8	124 3/8	74 3/8	73 1/2	122	85 3/4	63	NA	125 1/2	7		
898	76 1/2	71 1/4	98 1/2	94 3/8	90 1/2	84 5/8	67	67	71	131 7/8	135 7/8	82	81 1/4	135	94 1/2	69 1/2	NA	137 3/4	7		

NA – Not available. * For TH, BH, UB, BAU and TAU discharges. For DB discharge, use A dimension for B.

Size	K		L	M†	N	O†		P	R†	S	T	U	W	a	b		c	d	Arr. 1 Base holes
	Arr. 1	Arr. 8				BAU/TAU	TAD												
278	6	6	24 3/8	16 7/8	20	42 1/2	39 7/8	30 1/4	10	19 5/8	15 3/8	18 1/2	16 7/8	23 1/8	34 3/4	42	26 7/8	19 3/8	8-3/4"
308	6 1/2	6	26 7/8	18 1/2	22	46 1/8	43 1/2	33 1/2	10 7/8	21 5/8	17 3/8	20 1/4	18 7/8	25 5/8	38 1/2	45 1/4	29 7/8	21 1/2	8-3/4"
338	7	6	29 1/2	20 3/8	24	52	48 3/8	37 1/8	12 1/4	23 5/8	19	22 1/4	21	28 1/4	42 1/8	50 1/4	32 7/8	23 1/2	8-3/4"
368	7 1/2	6	32 7/8	22 5/8	27	57 1/4	53 5/8	40 7/8	13 3/8	25 1/8	20 1/2	24 1/4	22 1/2	31 1/8	48	56 3/8	36 3/8	26	10-1"
408	8	7	36 1/8	24 7/8	30	62 1/2	58 7/8	44 7/8	14 1/2	27 1/4	21 1/4	26	23 1/4	34 1/8	52 1/4	61 1/2	40	28 3/4	10-1"
448	8 1/2	7	40 1/8	27 1/2	33	68 1/8	64 1/2	49 1/4	15 3/4	29 1/4	23	28 1/2	25	37 7/8	57 1/8	67 1/8	44 1/4	31 5/8	10-1"
498	9	7	43 7/8	30 3/8	36	74	70 3/8	54 1/8	17 1/4	31 1/4	24	31	26	41 3/4	62 3/8	73 3/8	48 5/8	34 7/8	10-1"
548	9 1/2	7	48 7/8	33 1/2	40	83 1/8	78 1/2	60 1/8	19 1/4	34 1/4	27	33 3/4	29 1/2	46 1/4	69	80 7/8	53 7/8	38 1/2	10-1"
608	10	8	53 7/8	36 7/8	45	91 1/2	86 7/8	66 1/4	21	37 1/4	29	37 1/4	31 1/2	51	75 1/2	89 3/8	59 1/2	42 5/8	10-1"
668	10 1/2	8	59 3/8	40 3/4	49	99 3/8	94 3/4	72 5/8	22 7/8	40 3/4	31	40 1/2	33 1/2	56 1/8	82 3/4	97 5/8	65 1/2	46 7/8	10-1"
738	NA	8	66 1/2	45	54	NA	104	80	25	26 7/8	33	44 1/2	35 1/2	62 1/8	91 1/4	107 1/2	72 3/8	51 7/8	NA
808	NA	9	72 5/8	49 1/2	60	NA	114 1/2	88 1/4	25 1/4	29 3/4	40	50 7/8	42 1/2	68 5/8	101 1/4	106 7/8	80	57 3/8	NA
898	NA	9	80 5/8	54 3/4	67	NA	126 3/4	97	27 1/2	33 1/4	45	55 1/4	47 1/2	75 3/4	114 1/4	117	88 1/4	63 1/8	NA

NA – Not available. † Dimensions will vary with narrow-width construction.

Tolerance: ± 1/8"

MATERIAL SPECIFICATIONS DIMENSIONS [INCHES]												
Size†	Housing		Base bars	Base angles	Inlet flange angles	Outlet flange angles	Bearing pedestal	Wheel			Bare fan weight [lbs.] Arr. 1‡	
	Side and scroll	Side channels						ASTM A572-50 (INX-50) or ASTM A572-60 (INX-60)		Weight [lbs.]*		WR² [lbs.-ft.]*
							Blades	Backplate				
278	1/4	3"-4.1#	3 x 3/8	3 x 2 x 3/16	1 1/2 x 1 1/2 x 3/16	1 1/4 x 1 1/4 x 3/16	3/8	1/4	1/4	125	80	1100
308	1/4	3"-4.1#	3 x 3/8	3 x 2 x 3/16	2 x 2 x 3/16	1 1/2 x 1 1/2 x 3/16	3/8	1/4	1/4	165	123	1365
338	1/4	4"-5.4#	4 x 1/2	4 x 3 x 1/4	2 x 2 x 3/16	1 1/2 x 1 1/2 x 3/16	3/8	1/4	1/4	190	176	1670
368	1/4	4"-5.4#	4 x 1/2	4 x 3 x 1/4	2 x 2 x 3/16	1 1/2 x 1 1/2 x 3/16	3/8	1/4	1/4	265	275	2110
408	1/4	4"-5.4#	4 x 1/2	4 x 3 x 1/4	2 x 2 x 3/16	1 1/2 x 1 1/2 x 3/16	3/8	1/4	1/4	305	397	2435
448	1/4	4"-5.4#	4 x 1/2	4 x 3 x 1/4	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	1/4	355	591	2990
498	1/4	4"-5.4#	4 x 1/2	4 x 3 x 1/4	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	1/4	410	856	3430
548	1/4	5"-6.7#	5 x 5/8	5 x 3 1/2 x 5/16	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	3/8	695	1600	4560
608	1/4	5"-6.7#	5 x 5/8	5 x 3 1/2 x 5/16	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	3/8	795	2339	5375
668	1/4	5"-6.7#	5 x 5/8	5 x 3 1/2 x 5/16	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	3/8	975	3494	6520
738	1/4	5"-6.7#	5 x 5/8	5 x 3 1/2 x 5/16	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	3/8	1135	5125	NA
808	1/4	5"-6.7#	5 x 5/8	5 x 3 1/2 x 5/16	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	3/8	1665	8737	NA
898	1/4	5"-6.7#	5 x 5/8	5 x 3 1/2 x 5/16	2 x 2 x 3/16	2 x 2 x 3/16	3/8	1/4	3/8	1920	12591	NA

NA – Not available.

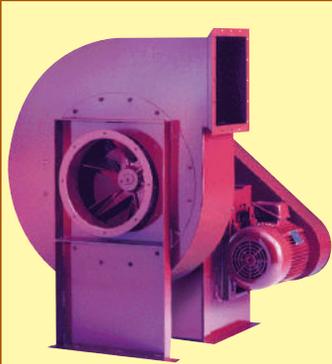
* Wheel weight and WR² will decrease on narrow-width fans . . . Consult **nyb**.

† Refer to Chart 1, Page 6, for standard shaft size and bearing type.

‡ Arrangement 8 bare fan weights are available on application. Motor selection will influence design of motor pedestal.

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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.



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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.



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



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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.