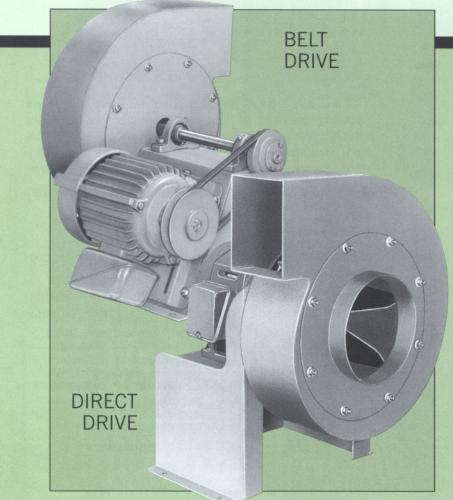
BULLETIN 231 FEBRUARY, 2003

# **COMPACT GIFANS** WITH RUGGED RADIAL-BLADE WHEELS



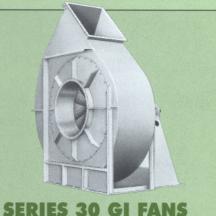
- Capacities to 2,400 CFM
- Static pressures to 14"WG
- Temperatures to 600°F.



7660 QUINCY STREET-WILLOWBROOK, ILLINOIS 60527-5530 TEL: [630] 794-5700 • FAX: [630] 794-5776 • WEB: http://www.nyb.com • E-MAIL: nyb@nyb.com



SERIES 20 GI FANS
Capacities to 76,000 CFM
Static pressures to 22"WG



Capacities to 95,000 CFM
Static pressures to 32"WG



# **Compact GI Fans**

# ...for industrial air-handling processes

Compact GI Fans, sometimes referred to as pressure blowers, are ruggedly constructed for a wide variety of industrial air-handling processes.



- Grinding-booth exhaust
- Scrubber exhaust
- Food and drying ovens
- Sawdust and wood-chip conveying
- Paper-trim systems

This bulletin covers only Compact GI Fans, the lower capacity element of four **nyb** radial-blade fan lines which cover a wide range of performance and application requirements. The design parameters and standard features of the Compact GI Fan are listed below.

- 8" through 14" wheel diameters provide capacities to 2000 CFM and 14"SP.
- Temperatures to 600°F.
- Heavy-gauge welded steel housing and pedestal provide structural strength and durability.
- Lubricatable self-aligning ball bearings with cast-iron housings provide extended service life over full catalog range.

### CAST RADIAL-BLADE WHEEL

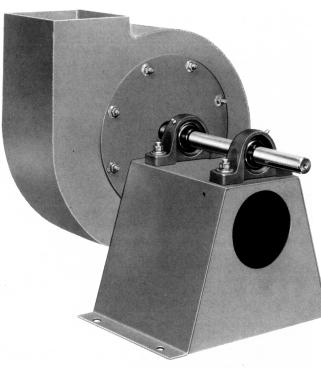
Cast nickel-aluminum-bronze wheel offers unique combination of spark, abrasion, and corrosion resistance. Rugged radialblade design is well-suited to material conveying. All wheels are dynamically balanced for smooth operation. [Note: Though the wheel is spark-resistant, for hazardous applications one of three available spark-resistant-construction systems should be considered...see separate **nyb** Engineering Letter.]



- Fan housing and pedestal are finished with a baked gray-green enamel.
- Most sizes are rotatable to any of seven standard discharges in the field.
- Compact GI Fans offer stable pulsation-free performance from wide-open to closed-off.



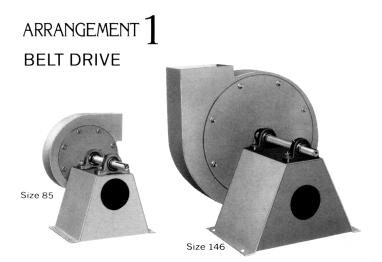
The New York Blower Company certifies that the Compact GI Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.





DIRECT DRIVE

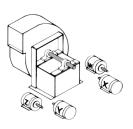
### ARRANGEMENTS



V-belt drive configuration allows selection of any of six fan sizes at a variety of fan speeds. Provides flexibility in performance simply by adjusting or changing drive sheaves. Maximum temperatures-standard fan: 300°F., heat fan: 600°F.

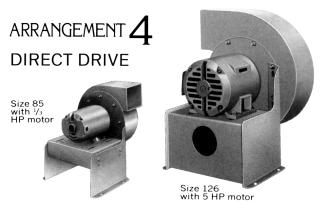
### MOTOR-POSITION DESIGNATION

Drawing at right shows AMCA motor-position designations. This designation must be given when ordering Arrangement 1 fans with V-belt drives and/or belt guard [see separate Safety Equipment bulletin]. Motor positions are independent of rotation and discharge and are determined by viewing fan shaft from drive end.





Used when motor is too large for Arrangement 9 or when a higher temperature package is desired. Maximum temperature-standard fan: 300°F., heat fan: 600°F. See page 11 for maximum motor sizes.



Direct-drive configuration available in nine sizes at 3500 RPM and 1750 RPM, provides simplest, most economical package. Fan wheel is mounted on motor shaft. Not recommended for heavy material-handling applications as material impact may damage motor. Maximum temperature – 180°F.

ARRANGEMENT Q**BELT DRIVE** Size 85 with ½ HP motor, motor positior left



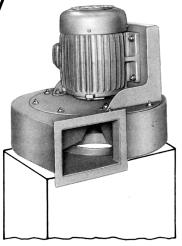
Size 126 with 2 HP motor, motor position right

Compact V-belt drive configuration integrates motor and drive with fan in one assembly. Package allows factory assembly and testing, and minimizes costly field labor. Available in six sizes. Maximum temperature – 300°F.

## ARRANGEMENT 4V

DIRECT DRIVE Similar to Arrangement 4, but designed for ver-

tical mounting on fan inlet. Motor is mounted to support bracket on drive side, and inlet plate is reinforced for mounting direct to process. Contact your nyb representative for dimensions and available options.



### FLANGED OUTLET

Flange is welded flush with fan outlet and provided with holes.

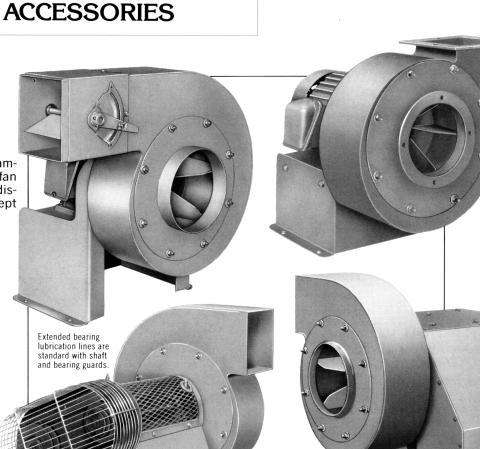
#### FLANGED INLET

Flange ring with holes is welded flush to the outer edge of the inlet collar.

#### DAMPER Single-vane damper slips over fan

OUTLET

outlet for all discharges except Down Blast.



#### SAFETY GUARDS

Arrangement 9 and 9X fans can be equipped with belt guards, and shaft and bearing guards. Belt guards for Arrangement 1 fans are available on application.

CERAMIC-FELT SHAFT SEAL

Ceramic-felt seal elements compressed between housing driveside plate and retaining disc... elements can be split for field replacement. Not available with heat-fan construction or Arrangement 4 fans.



### DRAIN

A  $\%^{\prime\prime}$  close pipe nipple located at the lowest point in the housing scroll.

fans

WEATHER COVER

Available for Arrangement 9

[shown] and Arrangement 4

### VIBRATION ISOLATION

Rubber-in-shear isolators...minimize the transmission of vibration and noise to surrounding structures from Arrangement 4, 9, and 9X fans.

### SAFETY EQUIPMENT

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. Such safety accessories are available from **nyb**, but selection of the appropriate devices is the responsibility of the system designer who must be aware of adjacent components, equipment location, and accessibility in the particular installation. Neither **nyb** nor its sales representatives are in a position to make such a determination. 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, which is included with the packing slips for all shipments from **nyb** and is also available on request.

### **MODIFICATIONS**

### SPARK-RESISTANT CONSTRUCTION

Three types of spark-resistant construction are available. See separate nyb Engineering Letter and consult nyb sales representative.

### HANDLING CORROSIVES

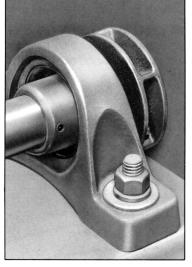
Protective coatings and special alloys are available to combat corrosion problems.

Thin film coatings [5 to 10 mil thickness] - special paints and spray 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.

Alternate material construction - Compact GI Fans can be constructed of aluminum or various stainless steels.

#### HEAT-FAN CONSTRUCTION

Arrangement 1 and 9X Compact GI Fans can be equipped with shaft coolers which make them suitable for airstream temperatures to 600°F., provided that ambient air temperature at the bearings does not exceed 120°F. The maximum allowable fan speed decreases as the airstream temperature increases. See Chart I [below].



### HOW TO USE PERFORMANCE DATA

#### DIRECT DRIVE

The curves and capacity tables on pages 6 and 7 provide CFM, static pressure, BHP, and outlet velocity information for direct-drive Compact GI Fans [see page 10 for maximum motor frame sizes].

#### **BELT DRIVE**

The capacity tables on pages 8 and 9 provide CFM, static pressure, BHP, and outlet velocity information for belt-drive Compact GI Fans. The dimension tables on page 11 provide V-belt drive center-distance information and maximum motor frames allowable on packaged units. Consult your nyb representative for standard complete package model numbers.

All performance data is based on standard air at .075 lb./cu. ft. density [70°F. at sea level]. If selections are to be based on other temperatures or altitudes, static pressure and brake horsepower must be corrected using the factors shown in Charts II and III. If temperature is a factor, speed must be checked against the safe operating speed in Chart I. Note: Arrangement 4 and 4V fans are not suitable for temperatures over 180°F.

#### **EXAMPLE**

Select a Compact GI Fan for 600 CFM at 3000 FPM OV at 2"SP at 325°F. at sea level.

- 1. Chart II shows a 1.48 correction factor for 325°F.
- 2.  $2"SP \times 1.48 = 2.96"SP$  at 70°F. [round to 3"SP].
- 3. A Size 106 Compact GI Fan belt drive at 2903 RPM will deliver 600 CFM and 3000 FPM outlet velocity at 3"SP, using 0.79 BHP.
- 4. To determine static pressure and brake horsepower at conditions. divide the values in Step 3 by the correction factor identified in Step 1: 3"SP at  $70^{\circ}F + 1.48 = 2"SP$  at  $325^{\circ}F$ . .79 BHP at 70°F. + 1.48 = .53 BHP at 325°F.
- 5. Actual performance of the Size 106 Compact GI Fan: 600 CFM at 3000 OV at 2"SP at 2903 RPM at .53 BHP at 325°F.
- 6. Check the safe operating speed of a Size 106 Compact GI Fan at 325°F. Chart I shows a 4600 RPM safe speed at 325°F. which is greater than the 2903 RPM operating speed.

The method of correcting for altitude is the same as for temperature using the correction factors from Chart III.

#### CHART I MAXIMUM SAFE SPEEDS FOR BELT-DRIVE FANS AT VARIOUS TEMPERATURES

Tama		Fan	size	
Temp.	85	105-106	125-126	146
-50°	4800	4600	4000	3600
70°	4800	4600	4000	3600
200°	4800	4600	4000	3600
300°	4800	4600	3980	3570
400°	4800	4600	3960	3490
500°	4800	4600	3940	3410
600°	4800	4600	3860	3310

CHART II SP AND BHP CORRECTION FACTORS FOR TEMP (°E)

CHART III SP AND BHP CORRECTION FACTORS FOR

ALTITUDE [ft. above sea level]

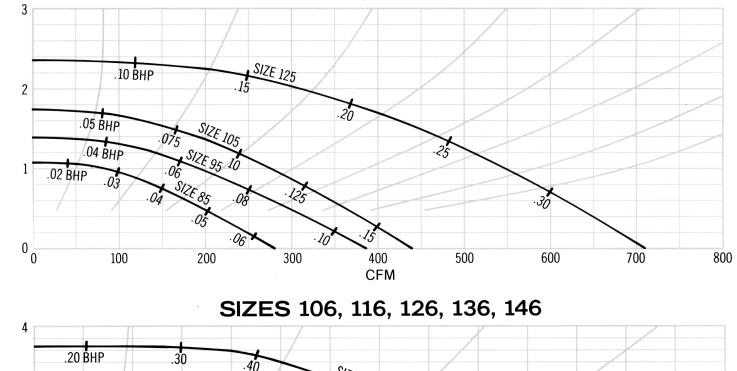
	. ( F.)	AL	IIIODE	Ltt. above sea i
Temp.	Factor		Altitude	Factor
-50° -25° 0° 20° 40°	.77 .82 .87 .91 .94		0 500 1000 1500 2000	1.00 1.02 1.04 1.06 1.08
60° 70° 80°	.98 1.00 1.02		2500 3000 3500 4000	1.10 1.12 1.14 1.16
100° 120° 140° 160° 180° 200° 225° 250°	1.06 1.09 1.13 1.17 1.21 1.25 1.29 1.34		4500 5500 6000 6500 7000 7500	1.18 1.20 1.22 1.25 1.27 1.30 1.32
275° 300° 325°	1.39 1.43 1.48		8000 8500 9000 10000	1.35 1.37 1.40 1.45
350° 375° 400° 450° 500° 550° 600°	1.53 1.58 1.62 1.72 1.81 1.91 2.00		NOTE: If corr tor for both te and altitude i multiply fac Charts II a gether: 600°F an 2.00 x 1.12	mperature s required, tors from nd III to- d 3000'

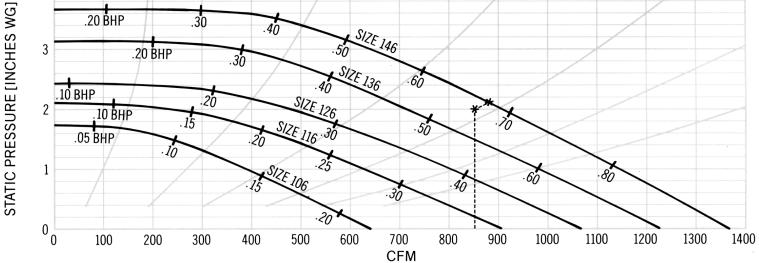
 $2.00 \times 1.12 = 2.24$ [combined factor] STATIC PRESSURE [INCHES WG]

### **DIRECT-DRIVE PERFORMANCE CURVES – 1750 RPM**

CURVE SELECTION EXAMPLE: Select a fan for 850 CFM at 2"SP. See dotted lines on lower graph. After locating point on grid for 850 CFM at 2"SP, follow direction of background system curves to intersection with fan performance curve. In this system example, a Size 146 will deliver 875 CFM and 2.1"SP with approximately .67 BHP.

SIZES 85, 95, 105, 125





### **DIRECT-DRIVE CAPACITY TABLE AT 1750 RPM**

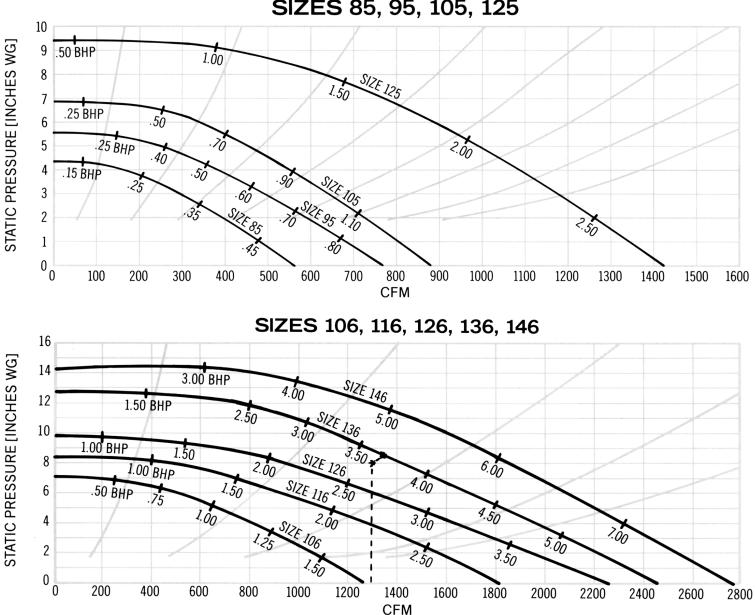
Model		Inlet	Outlet		1/4"SP			½″SP			¾″SP			1"SP			1½"SP	)		2"SP			3"SP	
Model No.	HP	dia. OD	area sq. ft.	CFM	OV	BHP	CFM	OV	BHP	CFM	<b>OV</b> .	BHP	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP
85 FB	1/4	5	.103	243	2360	.06	197	1910	.05	148	1440	.04	86	840	.03									
95 FB	1/4	6	.126	342	2710	.10	296	2350	.09	247	1960	.08	192	1520	.07									
105 FB	1⁄4	6	.126	402	3190	.15	362	2870	.14	321	2550	.13	276	2190	.11	171	1360	.08						
106 HB	1/2	6	.203	583	2870	.20	521	2570	.18	456	2250	.16	391	1930	.14	249	1230	.10						
125 HB	1/2	7	.158	672	4250	.33	631	3990	.31	590	3730	.30	548	3470	.28	449	2840	.23	313	1980	.17			
116 HB	1/2	7	.255	845	3310	.34	777	3050	.32	709	2780	.30	638	2500	.27	480	1880	.22	247	970	.14			
126 HB	1/2	8	.255	1013	3970	.47	944	3700	.44	876	3440	.41	803	3150	.39	652	2560	.33	474	1860	.26			
136 IB	3⁄4	8	.293	1175	4010	.69	1114	3800	.66	1051	3590	.63	984	3360	.60	849	2900	.54	712	2430	.47	335	1140	.28
146 JB	1	8	.293	1321	4510	.90	1263	4310	.87	1209	4130	.84	1152	3930	.81	1029	3510	.75	900	3070	.68	640	2180	.54

Performance shown is for Compact GI Fans with inlet and outlet ducts.

PAGE 6

### **DIRECT-DRIVE PERFORMANCE CURVES – 3500 RPM**

CURVE SELECTION EXAMPLE: Select a fan for 1300 CFM at 8"SP. See dotted lines on lower graph. After locating point on grid for 1300 CFM at 8"SP, follow direction of background system curves to intersection with fan performance curve. In this system example, a Size 136 will deliver 1350 CFM and 8.3"SP with approximately 3.65 BHP.



### SIZES 85, 95, 105, 125

### **DIRECT-DRIVE CAPACITY TABLE AT 3500 RPM**

Model	нр	Inlet	Outlet		1″SP	)	2"SP				3"SF	>		4″SP	•	!	5″SF	)		6"SP	,	8	B"SP		1	0″S	Ρ
Model No.	пр	dia. OD	area sq. ft.	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP	CFM	OV	BHP
85 HA	1/2	5	.103	485	4710	.45	394	3830	.38	297	2880	.31	173	1680	.22												
95 JA	1	6	.126	684	5430	.80	591	4690	.72	495	3930	.63	386	3060	.52	258	2050	.39									
105 JA 105 KA	1 1½	6 6	.126 .126		6390	1.20	726	5760	1.10		5100 5100	1.00 1.00		4390 4390	.89 .89	458 458	3640 3640	.75 .75	342 342	2710 2710	.60 .60						
106 KA 106 LA	1½ 2	6 6	.203 .203			1.57		5130 5130			4490 4490	1.29 1.29	782 782	3850 3850			3210 3210	.98 .98	496 496	2440 2440	.80 .80						
125 LA 125 MA	2 3	7 7	.158 .158	1344	8510	2.66	1263	7990	2.51	1182	7 <u>4</u> 80	2.36	1097	6940	2.21	1005	6360	2.06	896 896	5670 5670		624 624	3950 3950	1.40 1.40			
116 LA 116 MA	2 3	7 7	.255 .255	1694	6640	2.70	1555	6100	2.53		5560	2.37	1278	5010	2.19	1122 1122		2.00 2.00	961 961	3770 3770		493 493	1930 1930	$1.11 \\ 1.11$			
126 MA 126 NA	3 5	8 8	.255 .255	2025	7940		1889	7410	3.53	1751	6870	3.31	1608	6310	3.09	1459 1459	5720 5720		1305 1305				3720 3720	2.10 2.10			
136 NA	5	8	.293	-	-	_	-	_	-	-	_	-	1968	6720	4.80	1839	6280	4.55	1701	5810	4.30	1426	4870	3.80	1137	3880	3.66
146 OA	7½	8	.293	-	-	-	—	-	-	2412	8230	7.18	2300	7850	6.95	2184	7455	6.71	2060	7030	6.45	1813	6190	5.93	1555	5310	5.34

Performance shown is for Compact GI Fans with inlet and outlet ducts.

### **BELT-DRIVE CAPACITY TABLES**

	SI	ZE	<b>3</b> E	85						Whe	el dia	mete	er: 8″	I	Inle	et: 5″	OD		Out	et are	ea: .1	.03 sa	1. ft.				
CFM	ov	1⁄8"	SP	1⁄4"	SP	1⁄2"	SP	3⁄4"	SP	1"\$	SP	1½"	SP	2"	SP	<b>2½</b>	'SP	3":	SP	4"	SP	5"	SP	6"\$	SP	7"\$	SP
CFIM	00	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
62 103 144	600 1000 1400	719 894 1094	0.03 0.05 0.07	924 1079 1258	0.05 0.06 0.08	1238 1361 1520	0.07 0.09 0.11	1491 1589 1732	0.09 0.11 0.13	1709 1788 1919	0.11 0.13 0.15	2081 2134 2242	0.15 0.17 0.20	2401 2435 2523	0.19 0.21 0.24	2681 2707 2781	0.23 0.25 0.28	2940 2957 3013	0.27 0.29 0.32	3398 3401 3440	0.35 0.38 0.41	3798 3796 3823	0.43 0.46 0.50	4165 4153 4173	0.51 0.55 0.59	4501 4488 4499	0.59 0.63 0.68
185 227 268	1800 2200 2600	1312 1540 1775	0.09 0.12 0.16	1454 1665 1885	$\begin{array}{c} 0.11 \\ 0.14 \\ 0.18 \end{array}$	1696 1884 2082	0.13 0.17 0.21	1898 2075 2263	0.16 0.19 0.24	2076 2244 2422	0.18 0.22 0.27	2382 2540 2706	0.23 0.27 0.32	2651 2794 2957	0.28 0.32 0.38	2891 3026 3178	0.32 0.37 0.43	3116 3242 3389	0.37 0.42 0.48	3520 3629 3764	0.46 0.52 0.59	3886 3982 4103	0.55 0.61 0.69	4224 4309 4416	0.65 0.72 0.80	4543 4612 4709	0.75 0.82 0.91
309 350 391	3000 3400 3800	2017 2261 2507	0.21 0.26 0.33	2113 2347 2585	0.22 0.28 0.35	2293 2511 2734	0.26 0.32 0.39	2459 2664 2877	0.29 0.35 0.42	2612 2805 3009	0.32 0.38 0.46	2881 3066 3256	0.38 0.45 0.53	3124 3297 3480	0.44 0.52 0.60	3341 3515 3687	0.50 0.58 0.67	3542 3707 3882	0.56 0.64 0.74	3911 4064 4227	0.67 0.76 0.87	4239 4385 4545	0.78 0.88 1.00	4540 4682	0.89 1.00		
433 474 515 556	4200 4600 5000 5400	2754 3003 3256 3503	0.41 0.50 0.61 0.73	2827 3068 3312 3559	0.43 0.52 0.63 0.75	2962 3197 3433 3674	0.47 0.56 0.67 0.80	3093 3318 3545 3781	0.51 0.61 0.72 0.85	3220 3437 3659 3883	0.55 0.65 0.76 0.89	3452 3656 3865 4077	0.62 0.73 0.85 0.98	3670 3863 4065 4265	0.70 0.81 0.93 1.07	3870 4055 4297 4444	0.77 0.89 1.02 1.16	4055 4238 4421 4616	0.84 0.97 1.10 1.25	4397 4572 4751	0.99 1.12 1.27	4703	1.13				

5	SIZ	ZE	1	05	5					Whe	el dia	mete	r: 10		Ini	et: 6′	' <b>OD</b>		Out	let ar	ea: .	126 s	q. ft.				
CFM	ov	1⁄4"	SP	1/2"	SP	3⁄4"	SP	1"\$	SP	2":	SP	3"	SP	4":	SP	5"\$	SP	6"	SP	7":	SP	8"	SP	9"\$	SP	10"	SP
CFIM	00	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP																		
76 126 176	600 1000 1400	725 843 983	0.04 0.05 0.07	976 1064 1186	0.06 0.07 0.09	1179 1247 1354	0.07 0.09 0.11	1353 1407 1501	0.09 0.11 0.13	1905 1925 1986	0.16 0.18 0.21	2331 2341 2378	0.23 0.26 0.29	2696 2694 2720	0.31 0.34 0.38	3014 3008 3028	0.38 0.42 0.47	3304 3296 3305	0.46 0.51 0.56	3572 3560 3565	0.55 0.59 0.65	3817 3805 3806	0.63 0.68 0.75	4055 4035 4037	0.72 0.78 0.85	4274 4254 4254	0.81 0.87 0.95
227 277 328	1800 2200 2600	1140 1307 1482	0.09 0.12 0.16	1325 1475 1636	0.12 0.15 0.20	1481 1620 1769	0.14 0.18 0.23	1620 1752 1893	0.16 0.21 0.25	2076 2186 2307	0.25 0.30 0.36	2450 2541 2648	0.34 0.40 0.47	2774 2854 2948	0.43 0.50 0.58	3067 3135 3218	0.52 0.60 0.68	3336 3394 3474	0.62 0.70 0.79	3593 3638 3705	0.72 0.80 0.90	3826 3868 3929	0.82 0.91 1.02	4047 4087 4137	0.93 1.02 1.13	4262 4295 4337	1.03 1.14 1.25
378 428 479	3000 3400 3800	1663 1847 2032	0.22 0.28 0.35	1803 1975 2152	0.25 0.32 0.39	1927 2091 2261	0.28 0.35 0.43	2043 2199 2364	0.31 0.39 0.47	2438 2575 2722	0.44 0.52 0.62	2768 2893 3028	0.55 0.65 0.76	3059 3173 3302	0.67 0.78 0.90	3319 3430 3549	0.79 0.90 1.04	3562 3664 3776	0.90 1.03 1.17	3790 3887 3993	1.02 1.16 1.31	4006 4092 4197	1.14 1.28 1.45	4206 4293 4392	1.26 1.42 1.59	4403 4483 4572	1.39 1.55 1.72
529 580 630 680	4200 4600 5000 5400	2219 2410 2602 2791	0.44 0.55 0.67 0.81	2331 2516 2698 2888	0.49 0.60 0.72 0.86	2433 2610 2790 2975	0.53 0.64 0.77 0.92	2529 2701 2878 3055	0.57 0.68 0.82 0.97	2872 3029 3188 3350	0.73 0.86 1.00 1.17	3168 3311 3461 3613	0.89 1.03 1.18 1.36	3433 3566 3708 3855	1.04 1.19 1.36 1.55	3672 3804 3937 4076	1.18 1.35 1.53 1.74	3899 4022 4155 4286	1.33 1.51 1.71 1.92	4107 4226 4354 4486	1.48 1.67 1.88 2.11	4303 4422 4541	1.63 1.83 2.04	4492	1.77		

	SIZ	ZE	1	06	5					Whe	el dia	mete	r: 10′	ı	Inl	et: 6′	' <b>OD</b>		Out	let ar	ea: .2	203 s	q. ft.				
CFM	ov	1⁄4"	SP	1⁄2"	SP	3⁄4"	SP	1"\$	SP	2":	SP	3":	SP	4":	SP	5"\$	SP	6"	SP	7":	SP	8"\$	SP	9":	SP	10"	SP
Crw	00	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
122 203 284	600 1000 1400	746 890 1055	0.04 0.06 0.09	988 1104 1253	0.06 0.08 0.11	1184 1280 1415	$\begin{array}{c} 0.08 \\ 0.11 \\ 0.14 \end{array}$	1356 1432 1556	0.10 0.13 0.17	1897 1935 2023	0.18 0.21 0.26	2320 2341 2404	0.25 0.30 0.36	2678 2690 2737	0.33 0.39 0.46	2993 2997 3033	0.41 0.48 0.57	3280 3279 3305	0.50 0.58 0.67	3543 3543 3562	0.58 0.67 0.78	3787 3785 3798	0.67 0.77 0.89	4023 4012 4022	0.76 0.87 1.00	4239 4232 4235	0.86 0.98 1.12
365 447 528	1800 2200 2600	1234 1422 1617	0.12 0.17 0.24	1416 1589 1770	0.16 0.21 0.28	1568 1732 1907	0.19 0.25 0.32	1702 1859 2026	0.22 0.28 0.36	2140 2279 2427	0.33 0.41 0.51	2501 2619 2757	0.44 0.54 0.66	2815 2921 3045	0.56 0.67 0.80	3099 3193 3303	0.67 0.80 0.94	3360 3445 3546	0.79 0.92 1.08	3608 3679 3773	0.91 1.06 1.23	3836 3902 3991	1.03 1.19 1.38	4056 4111 4192	1.15 1.32 1.52	4260 4315 4387	1.27 1.46 1.67
609 690 771	3000 3400 3800	1818 2020 2227	0.32 0.42 0.55	1957 2150 2345	0.37 0.48 0.61	2082 2266 2457	0.42 0.53 0.66	2197 2378 2559	0.46 0.58 0.72	2585 2751 2916	0.63 0.77 0.93	2903 3056 3214	0.79 0.95 1.13	3179 3327 3479	0.95 1.13 1.33	3432 3570 3717	1.11 1.30 1.52	3664 3798 3937	1.27 1.48 1.72	3882 4010 4144	1.43 1.65 1.91	4095 4212 4337	1.59 1.83 2.10	4288 4404 4527	1.75 2.01 2.29	4476 4587	1.91 2.18
853 934 1015 1096	4200 4600 5000 5400	2437 2649 2864 3078	$\begin{array}{c} 0.70 \\ 0.88 \\ 1.09 \\ 1.33 \end{array}$	2546 2750 2955 3165	0.76 0.95 1.16 1.41	2649 2847 3046 3251	0.82 1.01 1.23 1.49	2748 2938 3136 3331	0.89 1.08 1.31 1.56	3091 3267 3448 3630	1.12 1.33 1.58 1.86	3378 3547 3719 3896	1.34 1.58 1.84 2.15	3638 3801 3965 4133	1.56 1.82 2.10 2.42	3872 4025 4185 4350	1.77 2.05 2.35 2.69	4085 4237 4394 4554	1.98 2.28 2.60 2.96	4282 4436 4584	2.19 2.50 2.85	4478	2.40				

	SIZ	ZE	1	25	5					Whe	el dia	mete	r: 12′		Inl	et: 7′	' <b>OD</b>		Out	let ar	ea: .	158 s	q. ft.				
CFM	ov	1⁄4"	SP	1⁄2"	SP	3⁄4"	SP	1"\$	SP	2":	SP	3":	SP	4"	SP	5":	SP	6"	SP	7"\$	SP	8"	SP	9"\$	SP	10"	SP
CEN	00	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
95 158 221	600 1000 1400	603 678 779	0.03 0.04 0.06	825 877 955	0.05 0.06 0.08	1000 1040 1105	0.07 0.08 0.10	1151 1182 1236	0.09 0.10 0.12	1621 1636 1668	0.16 0.18 0.21	1983 1992 2014	0.23 0.26 0.30	2289 2293 2312	0.31 0.35 0.40	2561 2561 2574	0.39 0.44 0.50	2804 2806 2814	0.48 0.54 0.60	3028 3027 3035	0.57 0.64 0.71	3238 3236 3239	0.66 0.74 0.82	3438 3436 3434	0.76 0.85 0.93	3624 3617 3618	0.85 0.95 1.05
284 348 411	1800 2200 2600	896 1023 1158	$\begin{array}{c} 0.08 \\ 0.11 \\ 0.15 \end{array}$	1053 1164 1283	0.10 0.13 0.17	1190 1289 1399	0.13 0.16 0.20	1312 1402 1504	0.15 0.19 0.23	1720 1788 1866	0.25 0.29 0.35	2053 2108 2172	0.35 0.40 0.47	2340 2384 2441	0.45 0.52 0.59	2599 2634 2682	0.56 0.63 0.72	2833 2865 2907	0.67 0.76 0.85	3050 3078 3116	0.79 0.88 0.98	3252 3278 3310	0.91 1.01 1.12	3445 3465 3497	1.03 1.14 1.26	3628 3644 3675	1.16 1.27 1.40
474 537 600	3000 3400 3800	1297 1439 1583	0.19 0.25 0.33	1412 1545 1680	0.23 0.29 0.36	1517 1641 1771	0.26 0.32 0.40	1613 1730 1853	0.29 0.36 0.44	1957 2053 2159	0.42 0.50 0.59	2247 2330 2424	0.55 0.64 0.74	2507 2582 2664	0.68 0.78 0.90	2740 2810 2885	0.82 0.93 1.06	2958 3022 3088	0.96 1.08 1.21	3160 3217 3281	1.10 1.23 1.37	3354 3407 3466	1.24 1.38 1.54	3536 3585 3636	1.39 1.54 1.70	3708 3751 3803	1.54 1.70 1.87
664 727 790 853	4200 4600 5000 5400	1730 1877 2026 2176	0.41 0.51 0.63 0.77	1818 1960 2104 2249	0.45 0.56 0.68 0.82	1902 2038 2177 2317	0.49 0.60 0.73 0.87	1981 2113 2246 2385	0.53 0.65 0.77 0.92	2269 2385 2504 2628	0.70 0.82 0.96 1.12	2524 2626 2735 2850	0.86 1.00 1.15 1.32	2753 2851 2952 3056	1.03 1.18 1.34 1.52	2966 3057 3152 3248	1.20 1.36 1.53 1.73	3166 3248 3337 3428	1.37 1.53 1.72 1.93	3353 3431 3513 3600	1.54 1.72 1.92 2.13	3529 3604 3683 3766	1.71 1.90 2.11 2.34	3702 3770 3844 3925	1.89 2.09 2.31 2.55	3863 3925 3999	2.07 2.28 2.51

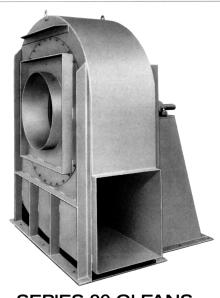
BHP shown does not include belt drive losses. Performance shown is for Compact GI Fans with inlet and outlet ducts.

### **BELT-DRIVE CAPACITY TABLES**

5	SIZ	ZE	1	26						Whe	el dia	mete	r: 12′	1	Ini	et: 8'	' <b>OD</b>		Out	let ar	ea: .2	255 s	q. ft.				
0514	01	1⁄4"	SP	1⁄2"	SP	3⁄4"	SP	1"5	SP	2":	SP	3":	SP	4"	SP	5":	SP	6"	SP	7"\$	SP	8"	SP	9"\$	SP	10"	SP
CFM	ov	RPM	BHP	RPM	BHP	RPM	BHP																				
153 255 357	600 1000 1400	606 703 820	0.04 0.05 0.07	817 890 990	0.06 0.08 0.10	987 1043 1130	0.08 0.10 0.13	1135 1177 1254	0.10 0.12 0.16	1595 1616 1663	0.19 0.23 0.28	1952 1962 1993	0.30 0.34 0.40	2256 2258 2280	0.41 0.47 0.54	2521 2522 2538	0.52 0.60 0.68	2764 2763 2771	0.65 0.73 0.83	2987 2980 2989	0.78 0.88 0.98	3191 3190 3191	0.91 1.03 1.14	3388 3382 3383	1.05 1.18 1.31	3573 3564 3562	1.20 1.34 1.48
459 561 663	1800 2200 2600	949 1086 1229	0.11 0.15 0.21	1105 1229 1360	0.14 0.19 0.26	1237 1352 1476	0.18 0.23 0.30	1352 1461 1580	0.21 0.27 0.35	1736 1824 1925	0.34 0.42 0.52	2049 2122 2212	0.48 0.57 0.69	2324 2386 2463	0.63 0.73 0.87	2573 2624 2694	0.78 0.90 1.05	2797 2843 2903	0.94 1.07 1.23	3013 3047 3101	1.11 1.25 1.42	3211 3241 3289	1.28 1.43 1.62	3393 3425 3467	1.45 1.63 1.82	3575 3598 3636	1.64 1.82 2.03
765 867 969	3000 3400 3800	1376 1529 1683	0.29 0.39 0.50	1497 1638 1782	0.34 0.44 0.57	1605 1737 1875	0.39 0.50 0.63	1704 1832 1966	0.44 0.56 0.69	2034 2149 2272	0.63 0.77 0.93	2311 2415 2526	0.83 0.98 1.16	2554 2650 2753	1.02 1.19 1.39	2775 2864 2960	1.22 1.41 1.63	2979 3060 3154	1.42 1.62 1.86	3168 3247 3332	1.62 1.85 2.10	3349 3424 3505	1.83 2.07 2.34	3525 3589 3668	2.05 2.30 2.59	3689 3749 3822	2.27 2.53 2.83
1071 1173 1275 1377	4200 4600 5000 5400	1839 1996 2157 2317	0.65 0.81 1.01 1.24	1930 2083 2234 2388	0.71 0.89 1.09 1.33	2018 2162 2310 2462	0.78 0.96 1.17 1.41	2101 2242 2383 2530	0.85 1.03 1.25 1.49	2395 2520 2650 2784	1.11 1.32 1.56 1.83	2644 2762 2886 3014	1.37 1.60 1.86 2.16	2863 2975 3097 3214	1.62 1.87 2.16 2.47	3065 3173 3287 3403	1.87 2.15 2.46 2.80	3254 3355 3463 3578	2.13 2.42 2.75 3.12	3428 3527 3636 3739	2.39 2.70 3.06 3.43	3595 3691 3793 3900	2.64 2.98 3.35 3.76	3752 3844 3941	2.90 3.25 3.64	3907 3994	3.17 3.54

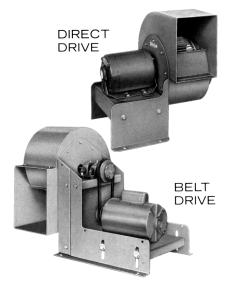
•	SIZ	E 14	<b>46</b>			Wheel dia	meter: 14′	' In	let: 8" OD	Out	tlet area: .2	293 sq. ft.		
0514	01	½″SP	1"SP	2"SP	3"SP	4″SP	5″SP	6"SP	7″SP	8″SP	9″SP	10"SP	12"SP	14"SP
CFM	ov	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP
176 293 410	600 1000 1400	667 0.03 738 0.05 835 0.08	923 0.06 965 0.09 1041 0.13	1299 0.13 1313 0.18 1363 0.25	1592 0.22 1596 0.29 1627 0.37	1840 0.33 1838 0.41 1859 0.51	2061 0.44 2054 0.54 2065 0.66	2260 0.56 2250 0.68 2257 0.82	2441 0.69 2432 0.83 2435 0.98	2610 0.83 2600 0.99 2600 1.15	2773 0.98 2758 1.15 2756 1.34	2923 1.13 2907 1.32 2906 1.53	3204 1.45 3189 1.68 3184 1.92	3459 1.79 3449 2.07 3439 2.34
527 645 762	1800 2200 2600	945 0.12 1062 0.19 1182 0.27	1135 0.19 1241 0.27 1352 0.37	$\begin{array}{rrrr} 1433 & 0.33 \\ 1522 & 0.44 \\ 1620 & 0.56 \end{array}$	1682 0.48 1754 0.61 1842 0.76	1899 0.64 1963 0.79 2039 0.96	2100 0.80 2151 0.97 2221 1.18	2282 0.98 2327 1.17 2387 1.39	2452 1.16 2493 1.37 2546 1.61	2613 1.35 2647 1.58 2696 1.84	2771 1.55 2796 1.79 2837 2.07	2913 1.75 2935 2.01 2974 2.31	3185 2.18 3205 2.48 3233 2.81	3438 2.63 3451 2.96 3474 3.33
879 996 1113	3000 3400 3800	1309 0.37 1438 0.50 1569 0.66	1468 0.49 1589 0.63 1711 0.81	1726 0.72 1834 0.89 1948 1.10	1938 0.94 2040 1.15 2146 1.39	$\begin{array}{cccc} 2127 & 1.17 \\ 2222 & 1.41 \\ 2322 & 1.68 \end{array}$	2300 1.41 2388 1.67 2484 1.97	2459 1.64 2543 1.93 2635 2.26	2614 1.89 2688 2.20 2777 2.56	2756 2.14 2827 2.47 2911 2.85	2895 2.39 2961 2.75 3039 3.15	3025 2.65 3090 3.03 3164 3.46	3277 3.19 3334 3.61 3395 4.07	3513 3.75 3560 4.20 3596 4.65
1231 1348 1465 1582	4200 4600 5000 5400	1703 0.86 1839 1.09 1976 1.37 2117 1.69	$\begin{array}{ccccc} 1837 & 1.02 \\ 1966 & 1.27 \\ 2096 & 1.56 \\ 2227 & 1.90 \end{array}$	2063 1.35 2182 1.63 2306 1.95 2429 2.32	2258 1.67 2372 1.98 2486 2.34 2604 2.74	2427 1.98 2535 2.33 2648 2.72 2761 3.14	2585 2.31 2689 2.68 2797 3.10 2909 3.56	2730 2.62 2830 3.02 2937 3.48 3043 3.97	2867 2.94 2965 3.38 3068 3.86 3169 4.37	2999 3.27 3092 3.73 3189 4.23 3294 4.79	31223.5932124.0833094.6234105.20	32433.9233304.4334235.0035205.61	34694.5835505.1535975.6135965.90	3597 4.98 3597 5.31 3597 5.61 3596 5.90

BHP shown does not include belt drive losses. Performance shown is for Compact GI Fans with inlet and outlet ducts.



SERIES 20 GI FANS The Series 20 GI Line extends

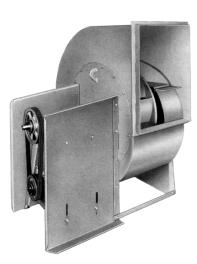
radial-blade design performance beyond the Compact GI range to 76,000 CFM and 22"SP. Arrangement 10 packaged units are available to about 10,000 CFM and 15"SP.



### JUNIOR FANS

Compact packages available in direct- or belt-drive arrangements. Forward-curve wheel design provides slow speed, quiet operation. Capacities to 4600 CFM and static pressures to 2½" WG. Heat fan available to 450°F.

Refer to separate bulletin on each product line.



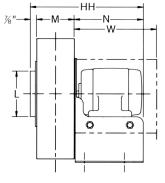
### **GPA FANS**

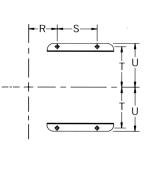
Available with airfoil or singlethickness, backwardly inclined wheels which provide efficient, quiet, packaged fans for capacities to 15,500 CFM and static pressures to 3"WG. Available with weather cover for outdoor mounting.

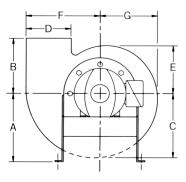
## DIRECT-DRIVE DIMENSIONS

### ARRANGEMENT 4

-Centerline heights [A]	
Motor frame	A
48, 56	
48, 56, 143T, 145T	101/2
56, 143T, 145T	
56, 143T, 145T	121/2
182T, 184T	131/2
56 .	121/2
182T, 184T	131/2
143T, 145T	121/2
182T, 184T	131/2
	Motor frame           48, 56           48, 56, 143T, 145T           56, 143T, 145T           56, 143T, 145T           182T, 184T           56           182T, 184T           143T, 145T







#### **DIMENSIONS** [Inches]

Size		В	C	D	E	F	G	нн	L	м	N	R	S	т	U	w	а	b	С	d	Base holes	Maximum frame	Bare fan wt. [lbs.]*
85		6	6¾	4 <sup>5</sup> / <sub>8</sub>	5¾	67⁄8	51/8	145/8	5	35/8	101/8	31/16	6	6¼	63⁄4	14¼	6¼	91/8	65/8	55/8	1/2 "	56	35
95 105 106		7 ½ 7 ½ 7 ½ 7 ½	77/ <sub>8</sub> 77/ <sub>8</sub> 77/ <sub>8</sub>	5 <sup>5</sup> /8 5 <sup>5</sup> /8 5 <sup>5</sup> /8	6 <sup>5</sup> /8 6 <sup>5</sup> /8 6 <sup>5</sup> /8	8 <sup>1</sup> / <sub>2</sub> 8 <sup>1</sup> / <sub>2</sub> 8 <sup>1</sup> / <sub>2</sub>	7 ¼ 7 ¼ 7 ¼ 7 ¼	145/8 145/8 165/8	6 6 6	3 <sup>5</sup> / <sub>8</sub> 3 <sup>5</sup> / <sub>8</sub> 5 <sup>5</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>8</sub> 10 <sup>1</sup> / <sub>8</sub> 10 <sup>1</sup> / <sub>8</sub>	37/ <sub>16</sub> 37/ <sub>16</sub> 47/ <sub>16</sub>	6 6 6	6 <sup>1</sup> / <sub>4</sub> 6 <sup>1</sup> / <sub>4</sub> 6 <sup>1</sup> / <sub>4</sub>	6 <sup>3</sup> /4 6 <sup>3</sup> /4 6 <sup>3</sup> /4	14 <sup>1</sup> / <sub>4</sub> 14 <sup>1</sup> / <sub>4</sub> 14 <sup>1</sup> / <sub>4</sub>	7 <sup>3</sup> / <sub>4</sub> 7 <sup>3</sup> / <sub>4</sub> 7 <sup>3</sup> / <sub>4</sub>	111/4 111/4 111/4	8 8 8	6 <sup>3</sup> / <sub>4</sub> 6 <sup>3</sup> / <sub>4</sub> 6 <sup>3</sup> / <sub>4</sub>	1/2" 1/2" 1/2" 1/2"	56 145T 145T	39 40 45
116 125 126		8 <sup>1</sup> / <sub>2</sub> 8 <sup>1</sup> / <sub>2</sub> 8 <sup>1</sup> / <sub>2</sub>	10 10 10	7 7 7	7 ½ 7½ 7½ 7½	111/4 111/4 111/4	8 <sup>3</sup> / <sub>4</sub> 8 <sup>3</sup> / <sub>4</sub> 8 <sup>3</sup> / <sub>4</sub>	175/8 155/8 175/8	7 7 8	5 <sup>5</sup> /8 3 <sup>5</sup> /8 5 <sup>5</sup> /8	11 <sup>1</sup> / <sub>8</sub> 11 <sup>1</sup> / <sub>8</sub> 11 <sup>1</sup> / <sub>8</sub>	$\begin{array}{c} 4^{15}/_{16} \\ 3^{15}/_{16} \\ 4^{15}/_{16} \end{array}$	7 7 7	7 <sup>3</sup> /4 7 <sup>3</sup> /4 7 <sup>3</sup> /4	8 ¼ 8 ¼ 8 ¼ 8 ¼	15 15 15	9 <sup>3</sup> / <sub>8</sub> 9 <sup>3</sup> / <sub>8</sub> 9 <sup>3</sup> / <sub>8</sub>	137/ <sub>8</sub> 137/ <sub>8</sub> 137/ <sub>8</sub>	105/8 105/8 105/8	8 <sup>1</sup> / <sub>8</sub> 8 <sup>1</sup> / <sub>8</sub> 8 <sup>1</sup> / <sub>8</sub>	1/2" 1/2" 1/2" 1/2"	184T 184T 184T	55 55 60
136 146	+	10½ 10½	11½ 11½	8¼ 8¼	93/ <sub>8</sub> 93/ <sub>8</sub>	12 12	10¼ 10¼	175/ <sub>8</sub> 175/ <sub>8</sub>	8 8	5⁵⁄ <sub>8</sub> 5⁵⁄ <sub>8</sub>	11¼ 11¼	$\begin{array}{c} 4^{15} /_{16} \\ 4^{15} /_{16} \end{array}$	7 7	7³/4 7³/4	8 ¼ 8 ¼	15 15		16 16	11½ 11½	9³/4 9³/4	` 1/2" 1/2"	184T 184T	70 70

L is OD of collar. M and D are outside dimensions. W pertains to optional weather cover.

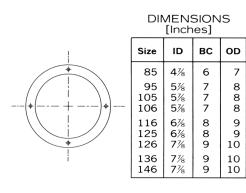
\*Less motors.

	Housings	Pedestals and drive-side plates	Inlet plates	Bearings
MATERIAL SPECIFICATIONS	12 gauge	Sizes 85-106: 12 gauge Sizes 116-146: 10 gauge	14 gauge	Link-Belt P3-U200 Series ball bearings or equal.

### FLANGED INLET OPTION

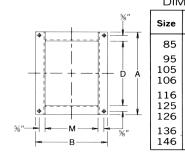
Four  $\frac{5}{16}$  diameter holes furnished on centerlines.

NOTE-Inlet flange: 10 gauge.



### FLANGED OUTLET OPTION

1"x 1"x 1/8" angles mounted flush with outside edge of housing discharge. All sizes have 5/16" diameter corner holes. Sizes 136 and 146 have four additional holes on centerline. Not available on Size 85 Bottom Horizontal and all Down Blast discharge fans.



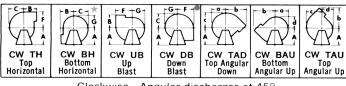
DIN	IENSI	SNC	[Inch	es]
Size	A	в	D	м
85	6%	5%	4%	<b>3</b> %
95	7%	5%	5½	3%
105	7%	5%	5½	3%
106	7%	7%	5½	5%
116	9	7%	7	5%
125	9	5%	7	3%
126	9	7%	7	5%
136	10¼	7%	8¼	5%
146	10¼	7%	8¼	5%

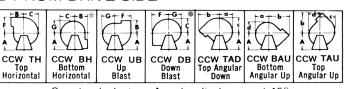
### OUTLET DAMPER OPTION

When outlet damper is furnished, it has the effect of extending the fan B dimension per the chart below. Damper outlet dimensions are the same as fan outlet, D, and M.

Size	Damper extension
85	5 <sup>3</sup> / <sub>8</sub> "
95	5 <sup>7</sup> /8"
105	5 <sup>7</sup> /8″
106	57/8"
116	6½"
125	6½″
126	6½″
136	<b>7</b> <sup>3</sup> / <sub>4</sub> "
146	<b>7</b> <sup>3</sup> / <sub>4</sub> "

### FAN DISCHARGES-VIEWED FROM DRIVE SIDE



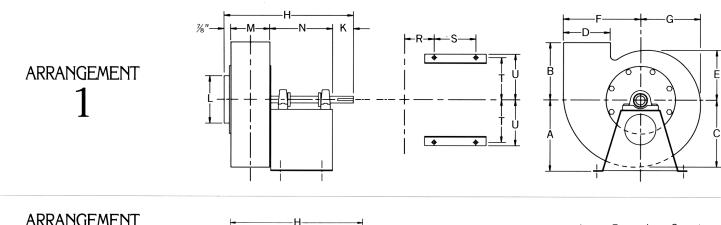


Clockwise-Angular discharges at  $45^{\circ}$ 

Counterclockwise-Angular discharges at 45°

On Size 146 in Bottom Horizontal discharge with optional flanged outlet, the flange extends below the Arrangement 1 or 9 baseline.
 Down Blast discharge is not available in Arrangement 9X.

## **BELT-DRIVE DIMENSIONS**



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ww.

## ARRANGEMENT

%"

MINIMUM-MAXIMUM V-BELT DRIVE CENTERS [INCHES]

Frame	Min.	Max.
48	<b>8</b> ½	10¼
56	<b>8</b> %	10%
48	<b>9</b> %	11¾
56/143/145	10	121/8
	48 56 48	48 8½ 56 8%

### ARRANGEMENT 9X

#### MINIMUM-MAXIMUM V-BELT DRIVE CENTERS [INCHES]

Size	Frame	Min.	Max.
85,	48	14	17¼
105, 106	56/143/145	14½	16%
125, 126,	56/143/145	16½	18%
146	182/184	15½	18

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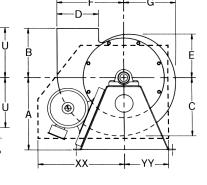
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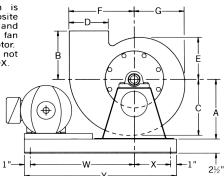
"L" [left] motor position is shown. "R" [right] is opposite hand. NOTE: Select motor and fan discharge position so fan does not discharge into motor. Down Blast discharge is not available in Arrangement 9X.

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"L" [left] motor position is shown. "R" [right] is opposite hand. Select motor position so as not to interfere with outlet connection.





#### **DIMENSIONS** [Inches]

Size	A	В	C	D	E	F	G	н	K	L	м	N	P	Q	R	RR	S	т	U	w
85	101/2	6	6¾	4%	5¾	6%	5%	17	2¼	5	35/8	10¼	5½	5%	3¾	11/4	6	6¼	6¾	17¾
105 106	10½ 10½	7½ 7½	7½ 7½	5% 5%	6% 6%	8½ 8½	7¼ 7¼	17 19	2¼ 2¼	6 6	35% 55%	10¼ 10¼	5¼ 5¼	5½ 5½	3¾ 4¾	1¼ 2¼	6 6	6¼ 6¼	6¾ 6¾	17¾ 17¾
125 126	12½ 12½	8½ 8½	10 10	7 7	7½ 7½	11¼ 11¼	8¾ 8¾	20¼ 22¼	3 3	7 8	35% 55%	12% 12%	71⁄8 71⁄8	7½ 7½	3 4	1½ 2½	10½ 10½	8½ 8½	85⁄8 85⁄8	20½ 20½
146	12½	10½	111/8	8¼	9¾	12	10¼	221⁄8	3	8	5%	12%	71/8	7 1/8	4	21⁄8	101/2	8½	8%	20%

Size	ww	v	xx	v	YY		L			Max. motor length★		length★ Max. frame size		Shaft	Shaft Keyway	Base	Bare fan weights [lbs.]†		
3120		^	^^	T	11	a	U	C	a	a Arr. 9 Arr. 9X	Arr. 9	Arr. 9X	dia.	ncyway	holes	Arr. 1	Arr. 9	Arr. 9X	
85	14%	6¼	131/2	26	5½	6¼	9½	6%	5%	91⁄2	121/8	56	145T	1	1⁄4 x 1⁄8	1/2	40	40	55
105	14%	6¼	131/2	26	5½	73⁄4	11¼	8	6¾	91⁄2	121/8	56	145T	1	1⁄4 x 1⁄8	1/2	45	45	60
106	14%	6¼	131/2	26	51/2	73⁄4	11¼	8	6¾	91⁄2	121/8	56	145T	1	1⁄4 x 1⁄8	1/2	50	50	65
125	17%	81⁄8	14%	31	73%	93%	131/8	10%	81/8	11¾	121%	145T	184T	1	1⁄4 x 1⁄8	1/2	60	60	85
126	17%	81⁄8	14%	31	73%	93/8	13%	10%	81⁄8	11¾	121/8	145T	184T	1	1⁄4 x 1⁄8	1/2	65	65	90
146	175/8	81/8	14%	31	7 3/8	10¾	16	11½	9¾	11¾	121/8	145T	184T	1	1⁄4 x 1⁄8	1/2	80	80	105

L is OD of collar. M and D are outside dimensions.

ensions.  $\star$  Maximum motor length is NEMA C-NW dimension.  $\dagger$  Less motors and V-belt drives.