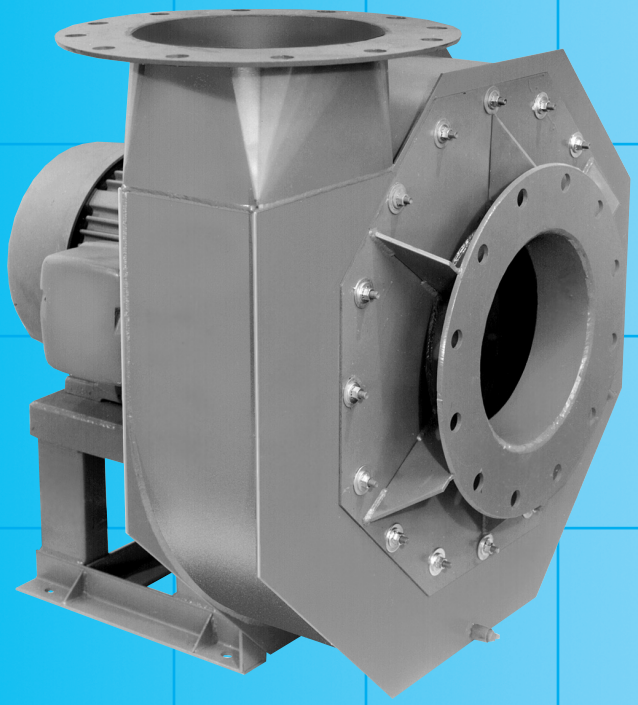
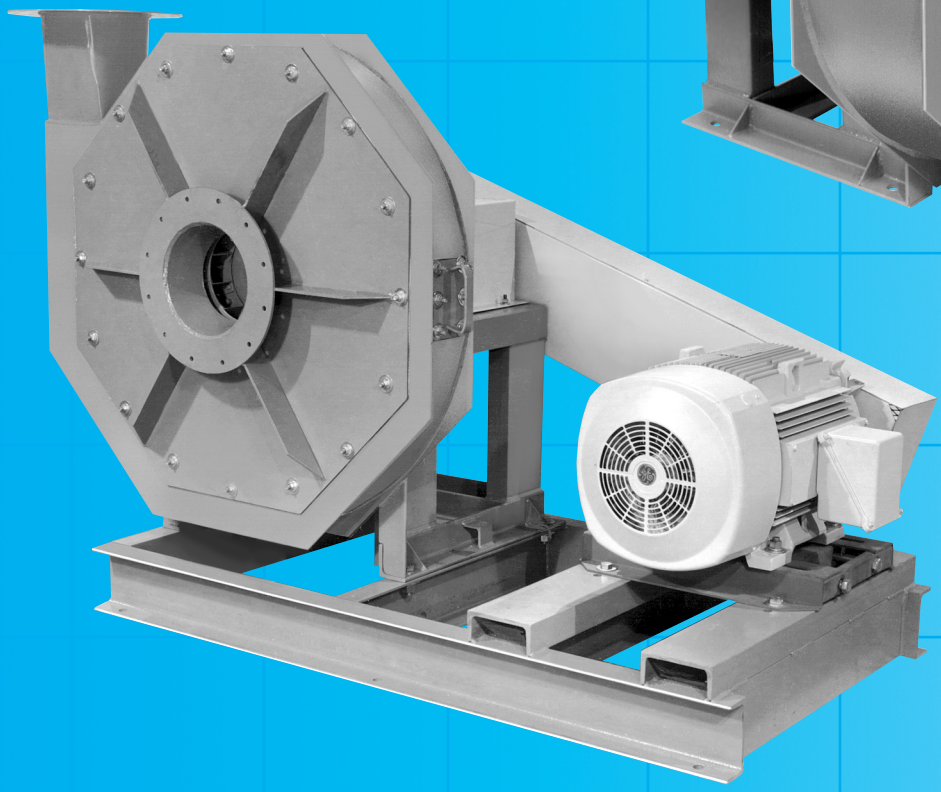
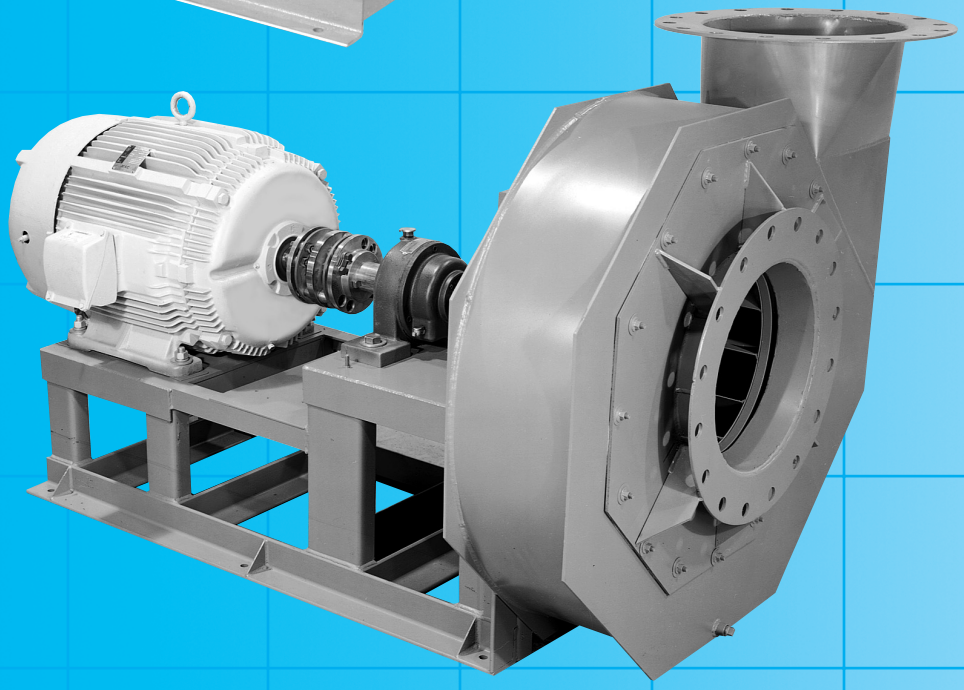
Bulletin RB-0502

American Fan Company



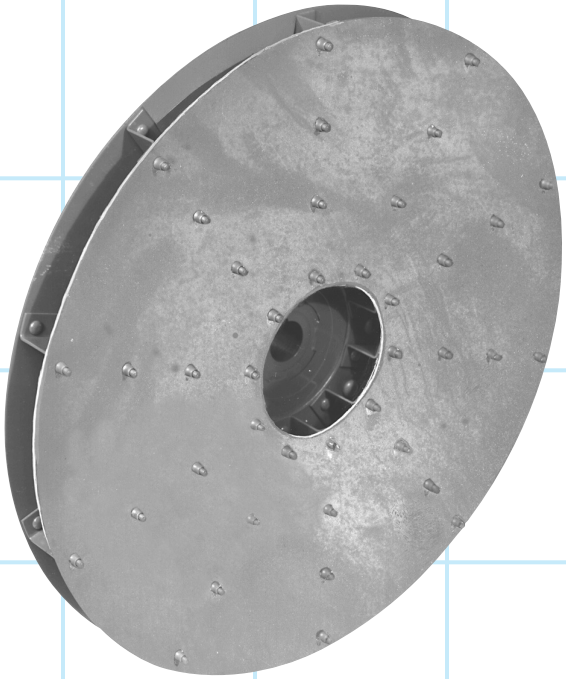




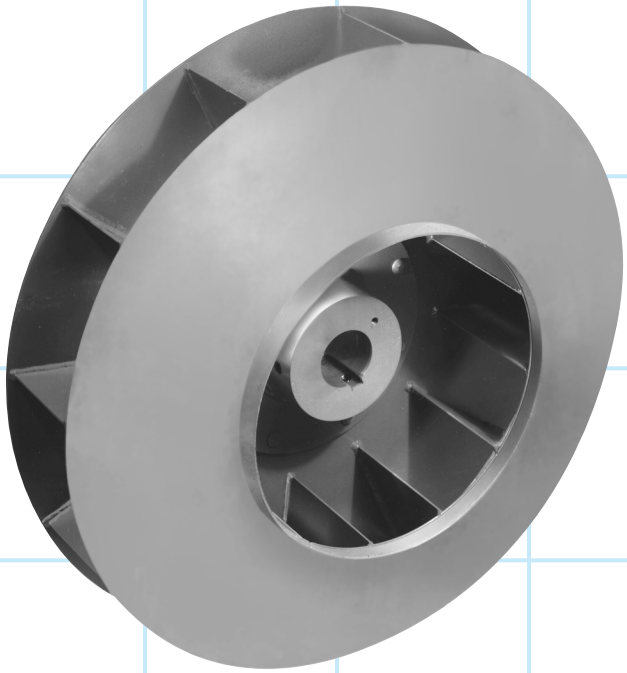
RB PRESSURE BLOWERS

REG. NO. AQC-19201 ISO 9001 AMERICAN FAN CO.

DESIGNS



RB WHEEL DESIGNS 1, 2 AND 3
are narrow radial of all-riveted steel construction.



RB WHEEL DESIGNS 4 AND 5
are radial wheels with a conical frontplate and all-welded steel construction.

FEATURES

- Heavy gauge continuously welded steel housings
- Dynamically balanced wheels to assure smooth operation
- Teflon shaft seal with steel retaining plate standard
- Heavy-duty anti-friction pillow block ball bearings
- Close tolerance 1141 turned, ground, and polished shafting
- Pressures to 110" S.P. WG., Capacities to 12,000 CFM
- Round inlet and outlet with flanges drilled to match ANSI 150 # pipe flanges

ACCESSORIES

- Housing drain
- Housing Inspection Door
- Inlet Screen
- Outlet Screen
- High-temperature construction to 700°F
- Stuffing box
- Stainless steel or other alloy airstream
- Heat Slinger
- Spark-resistant construction
- Inlet damper
- Outlet damper
- Flexible Coupling for Arr't 8
- Special Coatings
- Drive Guards

TYPICAL APPLICATIONS

- Combustion Air
- Air Pollution Control Systems
- Induced Pneumatic Conveying
- Glass Blowing
- Drying
- Gas Boosting
- Material Aeration
- Cooling
- Air Flotation Conveyors
- Textile Fiber Stripping and Recycling

MAJOR INDUSTRIES

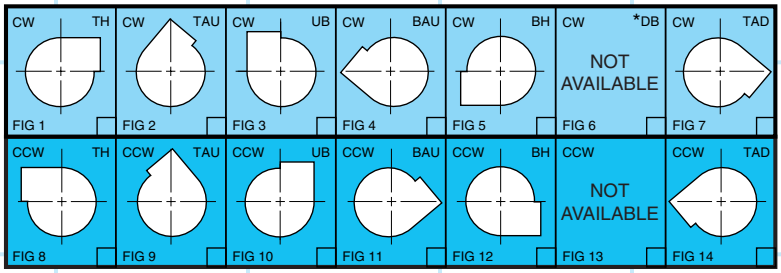
- Chemical
- Pulp and Paper
- Steel
- Glass
- Food Processing
- Energy
- Textile
- Petrochemical

HOW TO SPECIFY

RB - 251 - 3450 - 18.5

- RB — Radial Blade Pressure Blower
- 251 — Size Designation
- 3450 — Blower RPM
- 18.5 — Wheel Diameter
- Wheel Design

DISCHARGE POSITIONS



TEMPERATURE AND ALTITUDE CORRECTIONS

USING DENSITY CORRECTION FACTORS

The Capacity Tables in this bulletin are based on fans handling standard air at a density of .075 pounds per cubic foot equivalent to air at 70°F and 29.92" Hg barometric pressure. Therefore, when a fan handles air or other gases at other than standard density due to temperature, altitude or the type of gas, the published tables should be used in the following manner:

EXAMPLE: Select an RB Blower for 4250 ACFM @ 28 OZ. SP @ 250°F and 3000' Elevation.

1. Determine the equivalent static pressure in the following manner: **S.P. = REQUIRED S.P. X DENSITY FACTOR** for conditions from the table below, i.e.,**Equivalent S.P. = 28 X 1.50 = 42 OZ. SP.**
2. Using the required ACFM and the equivalent S.P. select an RB Blower from the tables i.e., **MODEL RB-453-3550-34.0** with a **BHP of 87.2**
3. Correct BHP for operating conditions by dividing BHP from table by density factor, i.e., $\frac{87.2}{1.5}$ **= 58.1 BHP AT CONDITIONS.**

AIR TEMP.	ALTITUDE IN FEET ABOVE SEA LEVEL																			
DEG. F.	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000
–60°	.76	.77	.78	.80	.81	.83	.84	.86	.87	.89	.91	.92	.94	.96	.98	1.00	1.02	1.04	1.06	1.10
–40°	.79	.81	.82	.84	.85	.87	.88	.90	.92	.93	.95	.97	.99	1.01	1.03	1.05	1.07	1.09	1.11	1.15
–20°	.83	.85	.86	.88	.89	.91	.93	.94	.96	.98	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.21
0°	.87	.89	.91	.92	.94	.96	.98	.99	1.01	1.03	1.05	1.06	1.09	1.10	1.13	1.15	1.17	1.19	1.22	1.26
40°	.94	.96	.98	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.19	1.21	1.23	1.26	1.28	1.30	1.32	1.36
70°	1.00	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.18	1.20	1.22	1.25	1.27	1.30	1.32	1.35	1.37	1.40	1.45
80°	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.19	1.21	1.23	1.26	1.28	1.30	1.33	1.36	1.38	1.41	1.43	1.48
100°	1.06	1.08	1.10	1.12	1.14	1.16	1.19	1.21	1.23	1.25	1.28	1.30	1.33	1.35	1.38	1.41	1.43	1.46	1.48	1.54
120°	1.09	1.12	1.14	1.16	1.18	1.20	1.23	1.25	1.28	1.30	1.32	1.35	1.38	1.40	1.43	1.46	1.48	1.51	1.53	1.58
140°	1.13	1.15	1.18	1.20	1.22	1.25	1.27	1.29	1.32	1.34	1.37	1.40	1.42	1.45	1.48	1.51	1.54	1.57	1.58	1.65
160°	1.17	1.19	1.22	1.24	1.26	1.29	1.31	1.34	1.36	1.39	1.42	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.64	1.70
180°	1.21	1.23	1.26	1.28	1.30	1.33	1.36	1.38	1.41	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.75
200°	1.25	1.27	1.29	1.32	1.34	1.37	1.40	1.42	1.45	1.48	1.51	1.54	1.057	1.60	1.63	1.66	1.69	1.72	1.75	1.81
250°	1.34	1.36	1.39	1.42	1.45	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.78	1.82	1.85	1.88	1.94
300°	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.74	1.77	1.80	1.84	1.87	1.91	1.94	1.98	2.00	2.08
350°	1.53	1.56	1.59	1.62	1.65	1.68	1.72	1.75	1.78	1.81	1.85	1.88	1.92	1.96	2.00	2.04	2.07	2.11	2.14	2.22
400°	1.62	1.65	1.69	1.72	1.75	1.79	1.82	1.85	1.89	1.93	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.25	2.27	2.35
450°	1.72	1.75	1.79	1.82	1.86	1.89	1.93	1.96	2.00	2.04	2.08	2.12	2.16	2.20.	2.24	2.29	2.33	2.38	2.41	2.50
500°	1.81	1.85	1.88	1.92	1.96	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.28	2.32	2.36	2.41	2.46	2.51	2.54	2.62
550°	1.91	1.94	1.98	2.02	2.06	2.10	2.14	2.18	2.22	2.26	2.30	2.35	2.40	2.44	2.49	2.54	2.58	2.63	2.68	2.77
600°	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.29	2.33	2.38	2.42	2.47	2.50	2.56	2.61	2.66	2.71	2.77	2.80	2.90
650°	2.10	2.14	2.18	2.22	2.26	2.31	2.35	2.40	2.44	2.49	2.54	2.58	2.63	2.68	2.74	2.79	2.84	2.90	2.94	3.04
700°	2.19	2.23	2.27	2.32	2.36	2.41	2.46	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.86	2.91	2.97	3.03	3.06	3.18

FAN SIZE	HOUSING		BASE			INLET PLATE	WHEEL			SHAFT DIA.	BEARINGS
	SIDES	SCROLL	SIDES	TOP	FEET		FRONTPLATE	BACKPLATE	BLADES		
251 252 253 254 255	10	12	10	10	2 x 2 x 3/16	7	10	10	12	1 11/16	SEALMASTER MP
301 302 303 304 305	10	12	7	7	2 x 2 x 1/4	7	10	10	12	1 15/16	SEALMASTER MP
351 352 353	10	12	1/4	1/4	2 x 2 x 1/4	7	10	10	12	2 3/16	LINK-BELT P-300
354 355	7	10									
401 402 403	7	10	6"-12# CHANNEL IRON	1/2 1/2	3 x 3 x 3/8	1/4	10	10	12	2 7/16	FAFNIR SAOL
404 405	1/4	7									
451 452 453	7	10	6"-12# CHANNEL IRON	1/2	3 x 3 x 3/8	1/4	10	10	12	2 11/16	FAFNIR SAOL
454 455	1/4	7									

PERFORMANCE DATA – DESIGNS 1-5 – 3600 RPM

NOTE: Performances shown are for Direct Drive. For Belt Drive selections, contact factory.

12 OZ. SP (20.78" SP)		
CFM	BHP	MODEL
199	1.3	251-3450-18.5
330	2.0	252-3450-18.5
390	2.1	253-3515-17.6
482	2.7	253-3515-17.5
654	3.9	253-3515-18.5
874	4.6	254-3515-17.8
1050	5.8	254-3515-17.5
1284	7.5	304-3515-17.5
1495	8.9	304-3515-18.0
1758	8.9	305-3515-17.0
2063	13.5	304-3515-19.5
2306	11.5	305-3515-17.5
2833	14.1	305-3515-18.0
3295	16.7	305-3515-16.5
3724	19.3	305-3515-19.0
4173	22.1	305-3515-19.5
6082	37.5	355-3550-20.5

14 OZ. SP (24.25" SP)		
CFM	BHP	MODEL
202	1.5	251-3450-19.5
335	2.3	252-3450-19.5
484	3.0	253-3515-18.5
678	4.4	253-3515-19.5
825	5.9	303-3515-19.5
1026	8.0	383-3515-20.5
1317	8.5	304-3515-18.5
1542	10.1	304-3515-19.0
1768	11.9	304-3515-19.5
1979	13.6	304.3515-20.0
2215	12.5	305-3515-18.5
2383	17.4	304-3515-21.0
2808	15.6	305-3515-19.0
3380	19.2	305-3515-19.5
3595	31.6	354-3550-22.5
4171	25.5	355-3550-19.5
4726	29.4	355-3550-20.0
5838	38.0	355-3550-21 0

16 OZ. SP (27.71" SP)		
CFM	BHP	MODEL
242	2.0	251-3450-21.0
393	3.0	252-3450-21.8
456	3.5	252-3450-21 5
599	4.1	253-3513-20.0
733	5.5	303-3515-20.0
663	6.6	303-3515-20.5
1088	9.0	383-3515-21.5
1375	9.5	304-3515-19.5
1399	13.0	303-3515-23.0
1611	11.6	304-3515-20.0
1854	13.5	304-3515-20.5
2090	15.6	304.3515-21.0
2543	20.9	354-3550-21.0
2885	19.4	355.3550-19.5
3623	24.1	355-3550-20.0
4326	28.9	355-3550-20.5
4956	33.6	355-3550-21 0
5536	38.1	355-3550-21.5

18 OZ. SP (31.18" SP)		
CFM	BHP	MODEL
214	1.9	251-3450-21.5
299	2.6	252-3450-21.5
480	4.3	302-3515-21.5
553	5.0	302-3515 22.0
627	5.8	302-3515-22.5
767	6.3	303-3515-21.0
903	7.5	303-3515-21.5
1154	10.1	303-3515-22.5
1435	11.7	304-3515-20.5
1705	13.3	304-3515-21.0
2109	18.0	354-3550-21.0
2414	20.9	354-3550-21.5
2708	23.9	354-3550-22.0
3000	22.2	355-3550-20.5
3740	27.2	355-3550-21.0
4521	32.9	355 3550-21.5
5216	38.3	355-3550-22.0
6476	49.1	355-3550-23.0
7439	60.3	405-3550-23.0
8886	75.2	405-3550-24.9
11060	100.6	405-3550-25.5

20 OZ. SP (34.64" SP)		
CFM	BHP	MODEL
497	4.9	302-3515-22.5
665	6.6	302-3515-23.5
814	7.2	303-3515-22.0
956	8.5	303-3515-22.5
1099	9.9	303-3515-23.0
1433	14.5	353-3515-23.5
1716	18.9	353-3515-24.5
2258	20.7	354-3550-22.0
2576	24.0	354-3550-22.5
3100	25.8	355-3550-21.5
3931	31.0	355-3550-22.0
4762	37.4	355-3550-22.5
5525	43.7	355-3550-23.6
6379	53.9	405-3550-23.0
7892	68.5	405-3550-24.0
9421	85.1	405-3550-25.0
12470	124.6	455-3550-26.0

22 OZ. SP (38.104" SP)		
CFM	BHP	MODEL
428	5.0	301-3515-24.5
707	7.5	302-3515-24.5
874	8.2	303-3515-23.0
1022	9.7	303-3515-23.5
1370	14.3	353-3515-24.0
1683	18.8	353-3515-25.0
2435	23.9	354-3550-23.0
3107	31.4	354-3550-24.0
4197	35.6	355-3550-23.0
4903	44.3	405-3550-23.0
5888	53.0	405-3550-23.5
6805	61.6	405-3550-24.0
8425	78.1	405-3550-25.0
10011	96.2	405-3550-26.0

24 OZ. SP (41.568" SP)		
CFM	BHP	MODEL
407	5.0	301-3515-25.0
550	6.3	302-3515-24.5
670	7.5	302-3515-25.0
889	10.8	352-3515-25.5
1119	12.1	353-3515-24.0
1470	16.4	353-3515-25.0
1540	18.7	353-3515-25.5
1958	24.0	353-3515-26.5
2640	27.6	354-3550-24.0
2988	31 7	354-3550-24.5
3434	39.0	404 3550-24.5
4200	41.8	405-3550-23.5
5302	51.1	405-3550-24.0
6331	60 8	405-3550-24.5
7302	70.4	405-3550-25.0
8186	79.7	405-3550-25.5
9014	88.9	405-3550-26.0
11231	118.6	455-3550-26.5

26 OZ. SP (45.032" SP)		
CFM	BHP	MODEL
363	4.9	301-3515-25.5
520	7.3	351-3515-26.0
636	9.2	351-3515-27.0
954	12.3	352-3515-26.5
1219	14.0	353-3515-25.0
1400	16.3	353-3515-25.5
1762	21.3	353-3515-26.5
2093	27.1	353-3515-27.5
2950	34.6	404-3550-24.5
3315	39.4	404-3550-25.0
3720	44.8	404-3550 25.5
4300	48.0	405-3550-24.5
5786	59.2	405-3550-25.0
6857	59.9	405-3550-25.5
7871	80.5	405-3550-26.0
9118	97.8	455-3556-26.0
11078	121.8	455-3558-27.0

28 OZ. SP (48.496" SP)		
CFM	BHP	MODEL
496	7.3	351 3515-26.5
628	9.4	351-3515-27.5
903	12.3	352-3515-27.0
1133	15.7	352-3515-28.0
1522	18.7	353-3515-26.5
1898	24.3	353-3515-27.5
2072	27.3	353-3515-28.0
2476	35.9	403-3550-25.0
3204	39.9	404-3550-25.5
3616	45.4	404-3550-26.0
4467	57.7	494-3550-27.0
6355	68.7	405-3550-26.6
7492	84.4	455-3550-26.8
8739	98.4	455-3550-26.5
10907	124.9	455-3550-27.5

30 OZ. SP (51.96" SP)		
CFM	BHP	MODEL
428	5.0	301-3515-24.5
473	7.3	351 3515-27.9
611	9.5	351-3515-28.0
837	12.1	352-3515-27.5
983	14.1	352-3515-28.0
1217	17.8	352-3515-29.0
1463	18.8	353-3515-27.0
1858	24.5	353-3515-28.0
2042	28.7	403-3550-27.5
2257	32.4	403-3550-28.0
2659	40.6	403 3550-29.0
3521	46.2	404-3550-26.5
3951	52.4	403-3550-27.0
4831	65.8	404-3550-28.0
5744	82.2	454-3550-28.0
7250	86.0	455-3550-26.5
8251	92.7	455-3553-27.0
9533	113.0	455-3550-27.5
11760	141.9	455-3553-25.5

32 OZ. SP (55.424" SP)		
CFM	BHP	MODEL
591	9.6	351-3515-28.5
788	13.3	351-3515-30.0
921	14.0	353-3515 28.5
1198	18.1	352-3515-29.5
1380	18.4	353-3515 27.5
1606	21.7	353-3515-28.0
1991	29.0	403-3550 28.0
2223	32.8	403-3550-28.5
2653	41.3	403-3550 29.5
3400	47.2	404-3550-27.0
4316	60.2	404-3550-28.0
5177	75.5	454-3550-28.0
6250	82.0	455-3550-27.0
7786	97.2	455-3550-27.5
9104	113.1	455-3550-28.0
11578	141.3	455-3550-29.0

34 OZ. SP (58.888" SP)		
CFM	BHP	MODEL
573	9.7	351-3515-29.0
719	12.3	351-3515-30.0
847	15.0	351-3515-31.0
1017	16.1	352.3515-29.5
1293	21.7	402-3550-29.5
1438	24.3	402-3550-30.0
1725	25.8	403-0550-28.0
1945	29.4	403-3550-28.5
2421	37.5	403-3550-29.5
2858	46.8	403-3550-30.5
3474	62.4	403-3550-32.0
4579	68.4	454-3550-28.0
5651	86.5	454-3550-29.0
7500	102.0	455-3550-28.0
8688	113.2	455-3550-28.5
10054	130.6	455-3550-29.0
11361	148.2	455-3550-29.5

PERFORMANCE DATA – DESIGNS 1-5 – 3600 RPM

NOTE: Performances shown are for Direct Drive. For Belt Drive selections, contact factory.

36 OZ. SP (62.353" SP)		
CFM	BHP	MODEL
556	9.8	351-3515-29.5
779	14.0	351-3515-31.0
1063	19.0	402-3550-29.5
1244	21.9	402-3550-30.0
1559	27-6	402-3550-31.0
1903	29.8	403-3556-28.0
2388	38.2	403-3550-30.0
2856	47.7	403-3550-31.0
3290	58.4	403-3550-32.0
4500	70.0	454-3550-28.5
5053	79.1	454-3550-28.0
5603	88.7	454-3550-29.5
6162	98.8	454-3550-30.0
6711	109.3	454-3550-30.5
8294	113.4	455-3550-29.0
9684	131.5	455-3550-20.5

38 OZ. SP (65.816" SP)		
CFM	BHP	MODEL
693	12.8	351-3515-31.0
941	18.8	401-3550-31.5
1193	22.0	402-3550-30.5
1380	25.2	402-3550-31.0
1544	28.2	402-3550-31.5
1812	34.1	402-3550-32.5
2109	34.5	403.3550-30.0
2611	43.7	403-3550-31.0
2954	48.7	403-3550-31.5
3418	61.9	453-3550-31.5
4400	72.0	454-3550-29.0
5005	81.1	454-3550-29.5
5564	91.0	454-3550-30.9
6133	101.5	454-3550.30.5
7261	123.8	454-3550-31.5

40 OZ. SP (69.28" SP)		
CFM	BHP	MODEL
759	15.4	401-3550-31.0
939	19.4	401-3550-32.0
1145	22.2	402-3550-31.0
1335	25.4	402-3550-31.5
1680	32.0	402-3550-32.5
1820	35.1	402-3550-33.0
2080	35.2	403-3550-30.5
2590	44.7	403-3550-31.5
2849	49.8	403-3550-32.0
3144	56.8	453-3550-31.5
3695	70.2	453-3550-32.5
4200	72.0	454-3550-29.5
5010	90.0	454-3550-30.0
5536	93.4	454-3550-30.5
6114	104.4	454-3550-31.0
6701	115.9	454-3550-31.5

42 OZ. SP (72.744" SP)		
CFM	BHP	MODEL
749	15.8	401-3550-31.5
932	19.8	401-3550-32.5
1102	24.0	401-0550-33.5
1489	29.3	402-3550-32.5
1822	36.2	402-3550-33.5
2311	40.7	403-3550-31.5
2820	51.5	453-3550-81.5
3128	58.2	453-3550-32.0
3430	64.8	453-3550-32.5
4253	87.2	453-3550-34.0
5516	96.2	454-3550-31.0
6103	107.5	454-3550-31.5

44 OZ. SP (76.208" SP)		
CFM	BHP	MODEL
833	18.2	401-3550-32.5
1021	22.6	401-3550-33.5
1254	26.1	402-3550-32.5
1453	29.7	402-3550-33.0
1821	37.2	402.3550-34.0
2294	41.7	403-3550-32.0
2804	53.1	453-3550-32,0
3117	59.6	453-3556-32.5
3435	66.5	453-3550-33.0
4294	89.5	453-3550-34.5
4825	106.8	453-3550-35.5
5090	115.2	453-3550-36.0

46 OZ. SP (79.672" SP)		
CFM	BHP	MODEL
826	18.6	401-3550-33.0
1019	23.2	401-3550-34.0
1421	39.3	402-3550-33.5
1626	34.2	402-3550-34.0
2022	44.0	452-3550-34.0
2383	53.0	452-3550-35.0
2793	54.4	453-3550-32.5
3111	51.2	453-3550-33.0
3433	68.3	453-3550-33.5
4047	83.7	453-3550-34.5
4613	100.7	453-3550-35.5

48 OZ. SP (83.136" SP)		
CFM	BHP	MODEL
823	19.1	401-3550-33.5
1017	23.8	401-3550-34.5
1391	30.8	402-3550-34.6
1759	39.8	452-3550-34.0
2011	45.1	452-3550-34.5
2219	50.0	452-3550-35.0
2787	55.8	453-3550-33.0
3109	62.8	453-3550-33.5
3436	70.2	453-3550-34.0
4077	86.0	453-3550-35.0
4664	103.6	453-3550-36.0

50 OZ. SP (86.6" SP)		
CFM	BHP	MODEL
1017	24.5	401-3550-35.0
1356	34.4	451-3550-35.5
1730	40.5	452-3550.34.5
1987	46.0	452-3550-35.0
2220	51.4	452-3550-35.5
2850	57.0	453-3550-33.5
3122	64.6	453-3550-34.0
3445	72.2	453-3550-34.5
4109	88.6	453-3550-35.5
4417	97.4	453-3550-36.0

52 OZ. SP (90.064" SP)		
CFM	BHP	MODEL
918	22.6	401-3550-35.0
1127	28.8	451-3550.35.0
1473	38.7	451-3550-36.5
1704	41.4	452-3550-35.0
1964	47.0	452-3550-35.5
2433	58.2	452.3550-36.5
2800	60.0	453-3550-34.0
3121	66.5	453-3550-34.5
3458	74.4	453-3550-35.0
4143	91.2	453-3550-36.0

54 OZ. SP (93.528" SP)		
CFM	BHP	MODEL
1130	29.7	451-3550-35.5
1374	36.6	451-3550-36.5
1695	46.7	451-3550-38.0
1946	48.1	452-3550-36.0
2445	60.0	452-3550-37.0
2824	70.9	452-3550-38 0
3134	68.5	453-3550-35.0
3823	85.1	453-3550-36.0

56 OZ. SP (96.992" SP)		
CFM	BHP	MODEL
1135	30.6	451-3550-36.0
1382	37.7	451-3550-37.0
1718	48.4	451-3550-38.5
1931	49.3	452-3550-36.5
2455	61.8	452-3550-37.5
2861	73.4	452-3550-38.5
3499	79.1	453-3550-36.0

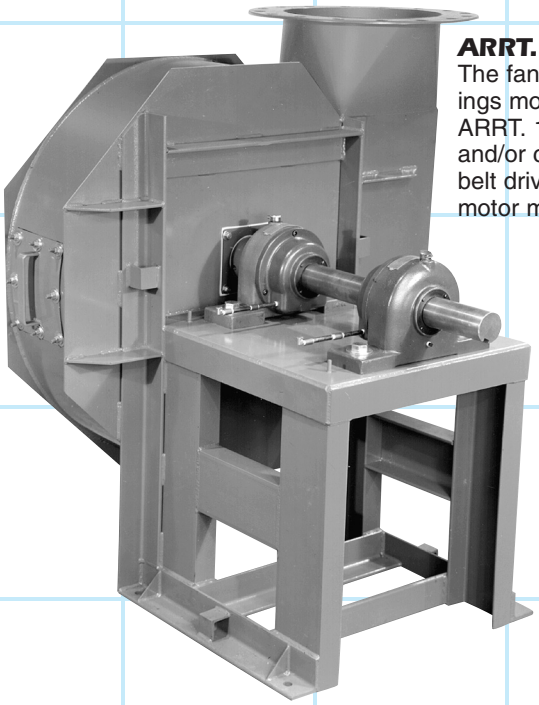
58 OZ. SP (100.456" SP)		
CFM	BHP	MODEL
1142	31.5	451-3550-36.5
1392	38.9	451-3550-37.5
1633	46.5	451-3550-38.5
1920	50.5	452-3550-37.0
2195	57.0	452-3550-37.5
2466	63.7	452-3550-38.0
2693	69.9	452-3550-38.5

60 OZ. SP (103.92" SP)		
CFM	BHP	MODEL
1151	32.6	451-3550-35.0
1276	36.3	451-3550-37.5
1404	40.1	451-3550-38.0
1652	48.1	451-3550-39.0
1912	51.8	452-3550-37.5
2191	58.5	452.3550-38.0
2474	65.5	452-3550-38.5

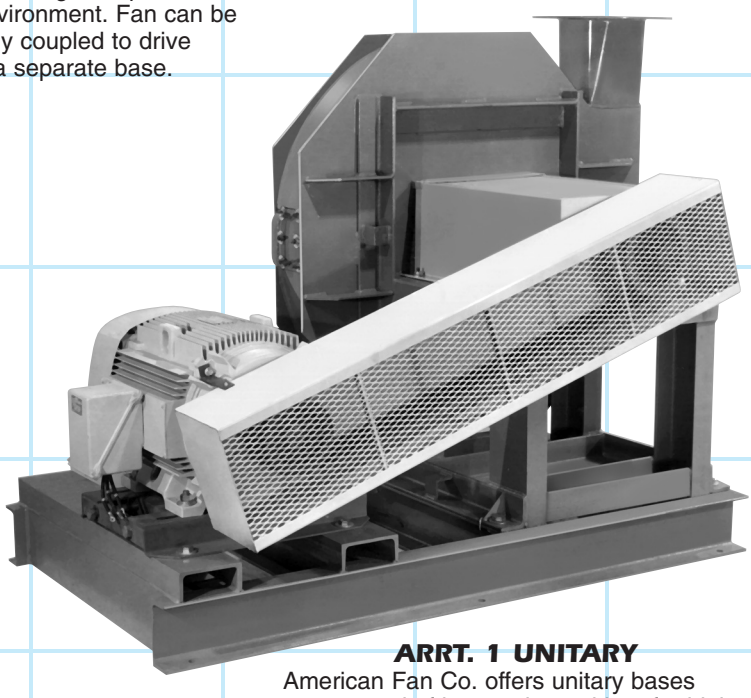
62 OZ. SP (107.384" SP)		
CFM	BHP	MODEL
1288	37.5	451-3550-38.0
1417	41.4	451-3550-38.5
1548	45.6	451-3550-39.0
1946	48.1	452-3550-39.5
2191	60.2	452-3550-38.5

64 OZ. SP (110.848" SP)		
CFM	BHP	MODEL
1301	38.7	451-3550-38.5
1432	42.8	451-3550-39,0
1565	47.1	451-3550-39.5

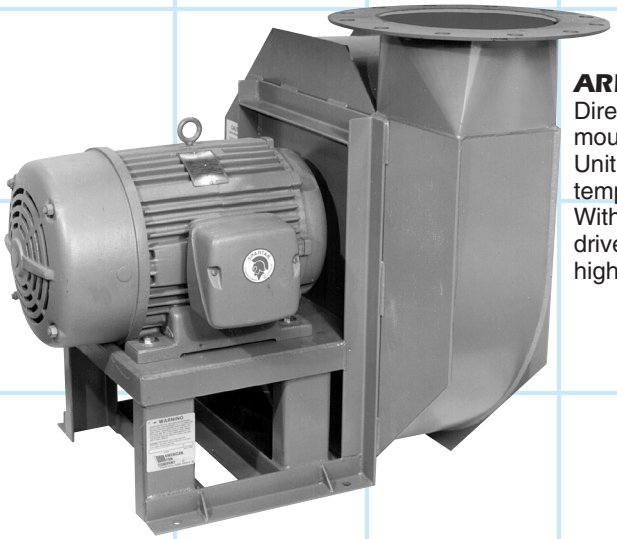
ARRANGEMENTS



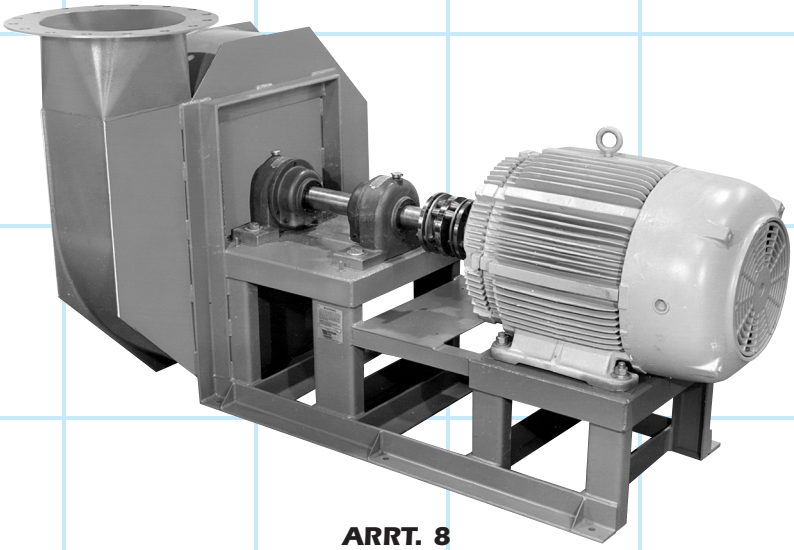
ARRT. 1
The fan wheel is overhung with both bearings mounted on a common pedestal. ARRT. 1 is suitable for high temperature and/or corrosive environment. Fan can be belt driven or directly coupled to drive motor mounted on a separate base.

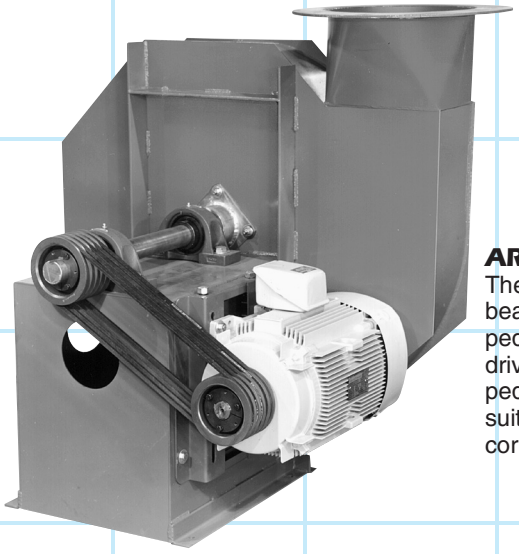


ARRT. 1 UNITARY
American Fan Co. offers unitary bases constructed of heavy channel iron for high horsepower or high temperature applications where ARRT. 9 is impractical. The unitary base design is a complete packaged unit simplifying handling and installation while providing a more uniform weight distribution necessary when vibration isolators are used. Unitary bases also allow excellent access for routine maintenance.



ARRT. 4
Direct drive fan with wheel mounted directly on motor shaft. Unit is designed for standard temperature applications only. With no belt loss, the direct drive fan operates at a higher efficiency.

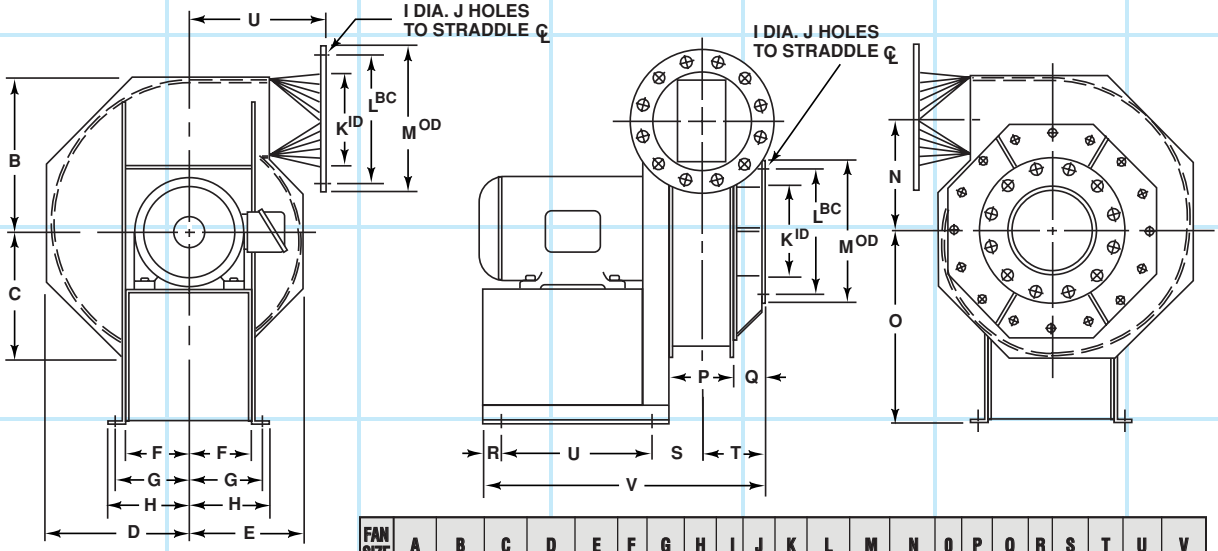




ARRT. 9
The fan wheel is overhung with both bearings mounted on a common pedestal. Fan is belt driven with drive motor mounted on bearing pedestal for a more compact unit suitable for high temperature and/or corrosive environment.

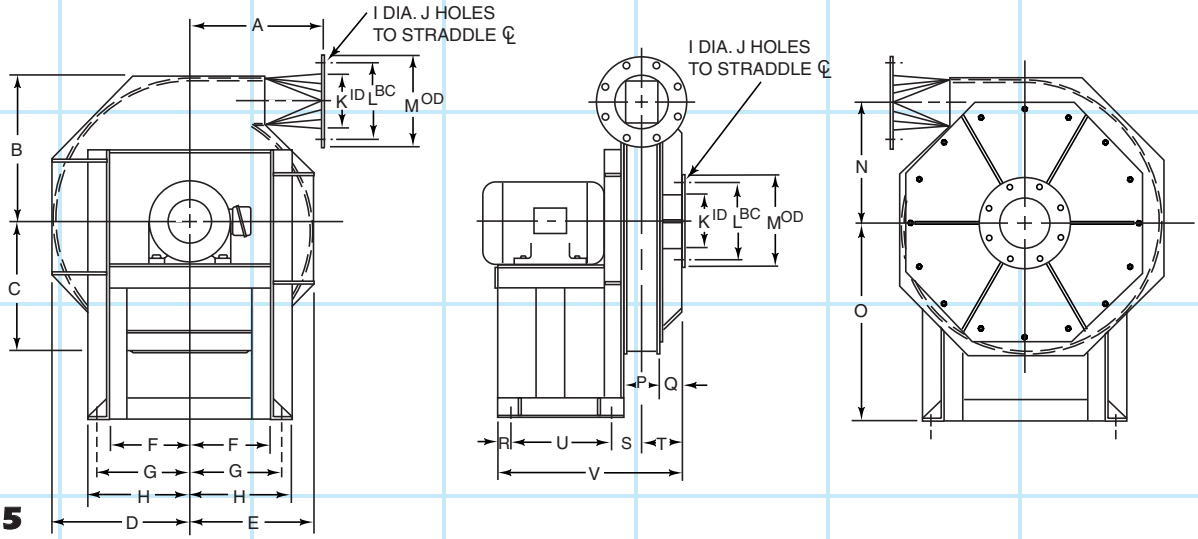
ARRT. 8
Direct drive fan through shaft and bearings. Efficiency of ARRT. 4 is maintained. However, ARRT. 8 may be used for high temperature and/or corrosive applications which requires the motor shaft to be outside of airstream.

DIMENSIONAL DATA ARRANGEMENT 4



SIZES 251-355

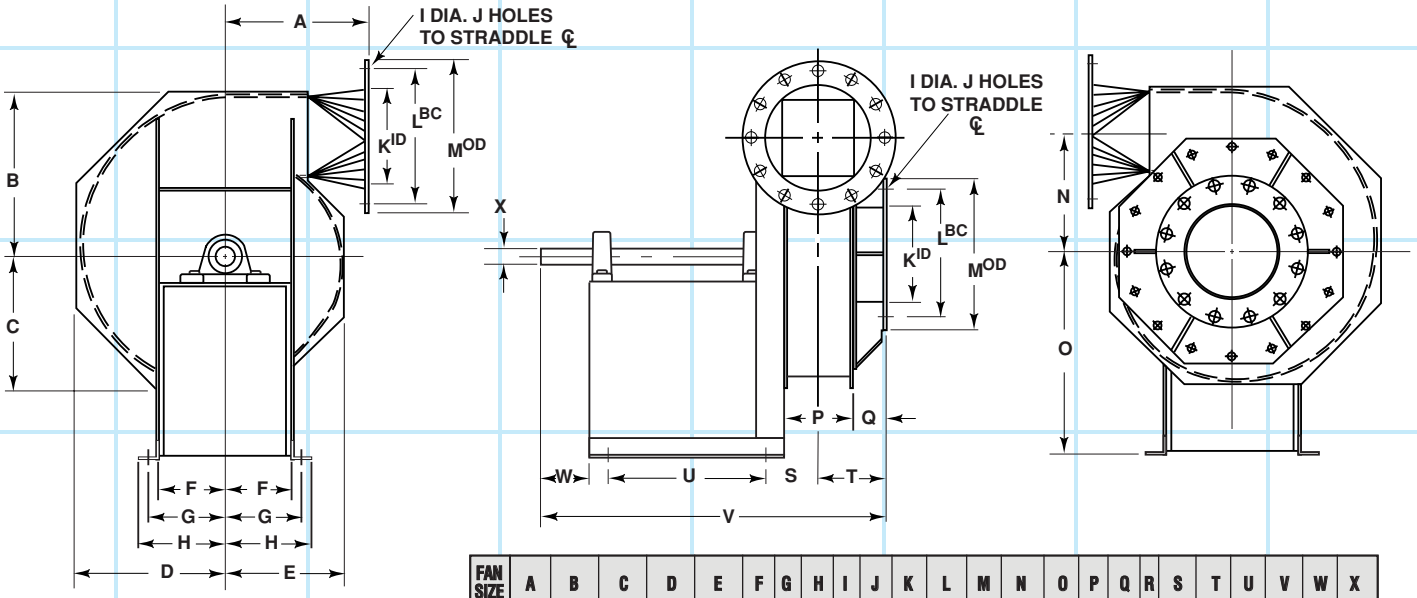
FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
251	12½	13 15/16	13 3/16	13 3/16	12 13/16	6	7	8	⅞	8	5	8½	10	11 9/16	18	3¼	3⅜	2	3⅝	5	12	22⅝
252	12½	14⅛	13⅛	13⅜	12⅝	6	7	8	⅞	8	5	8½	10	11 5/16	18	3⅜	3⅜	2	3 13/16	5 5/16	12	23
253	12½	13½	12⅜	12 15/16	11 13/16	6	7	8	⅞	8	5	8½	10	11 3/32	18	3⅜	3⅜	2	3 15/16	5 5/16	12	23¼
254	12½	13 15/16	11 13/16	12⅞	10¾	6	7	8	⅞	8	8	11¾	13½	10¼	18	5¼	3⅜	2	4⅝	6	12	24⅝
255	12½	14 5/16	11 13/16	13 1/16	10 9/16	6	7	8	⅞	8	8	11¾	13½	10 9/32	18	6⅜	3⅜	2	5 3/16	6 9/16	12	25¾
301	15	16½	15⅝	16 1/16	15 3/16	7	8	9	⅞	8	6	9½	11	13⅞	21	3⅜	3⅜	2	3 1/16	5 1/16	17	27¾
302	15	16¾	15½	16⅛	14⅞	7	8	9	⅞	8	6	9½	11	13 5/8	21	4	3⅜	2	4	5 3/8	17	28⅜
303	15	16⅛	14¾	15 7/16	14 1/16	7	8	9	⅞	8	6	9½	11	13 5/16	21	4¼	3⅜	2	4	5½	17	28½
304	15	16⅝	14⅛	15⅜	12⅞	7	8	9	1	12	10	14¼	16	12 9/32	21	5⅞	3⅜	2	4 5/16	6 5/16	17	30¼
305	15	17⅛	14⅛	15⅜	12⅝	7	8	9	1	12	10	14¼	16	12⅜	21	7⅛	3⅜	2	5 5/16	6 15/16	17	31½
351	17½	19 1/16	18 1/16	18 3/16	17 3/16	9	10	11	⅞	8	6	9½	11	16 3/16	26	3¾	3⅜	2	3⅞	5¼	18½	29⅝
352	17½	19⅜	17⅞	18⅝	17⅛	9	10	11	⅞	8	8	11¾	13½	15 23/32	26	4¼	3⅜	2	4⅛	5½	18½	30⅛
353	17½	18¾	17⅛	17 15/16	16 5/16	9	10	11	⅞	8	8	11¾	13½	15 17/32	26	4½	3⅜	2	4¼	5⅝	18½	30⅜
354	17½	19 5/16	16 7/16	17⅞	15	9	10	11	1	12	10	14¼	16	14 5/16	26	6⅜	3⅜	2	5 3/16	6 9/16	18½	32¼
355	17½	19 15/16	16 7/16	18 3/16	14 11/16	9	10	11	1	12	12	17	19	14 15/32	26	8¼	3⅜	2	6⅛	7½	18½	34⅛



SIZES 401-455

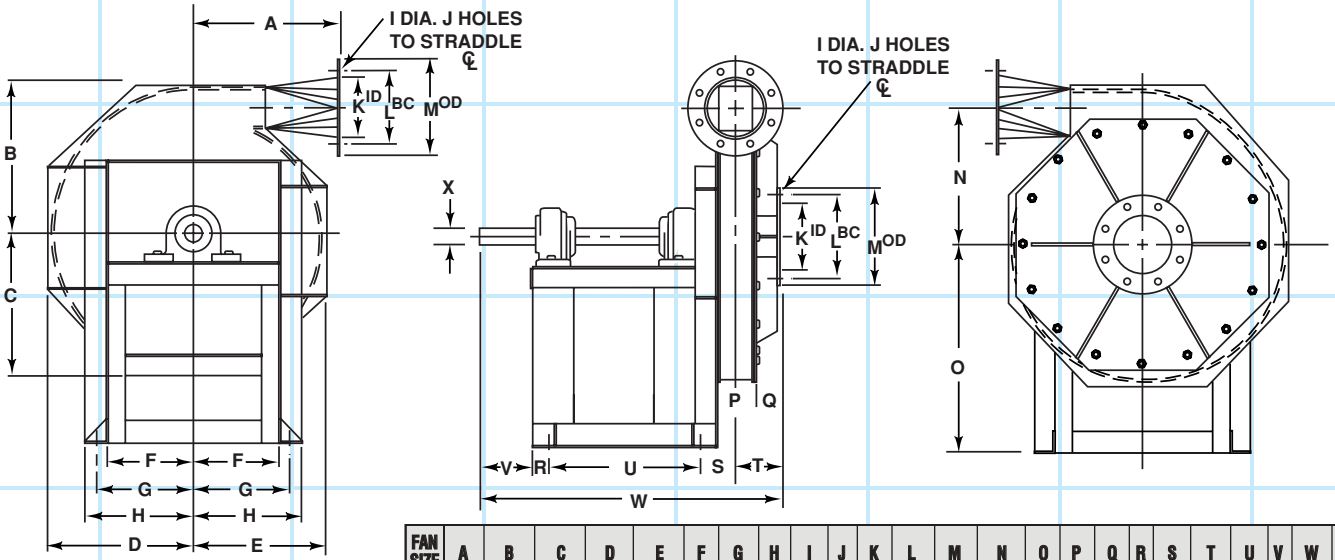
FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	FRAME SIZE 254-T U	254-T V	284-T U	284-T V	324-T U	324-T V	364-T U	364-T V	404-T U	404-T V	444-T U	444-T V	445-T U	445-T V
401	20	21⅝	20½	21 1/16	19 15/16	12	13¾	15	⅞	8	8	11¾	13½	18½	29	4½	3½	2	4¼	5¾	15	27	16½	28½	18	30	19	31	21	33	24	36
402	20	21 15/16	20 3/16	21⅛	19 5/16	12	13¾	15	⅞	8	8	11¾	13½	18⅛	29	4¾	3½	2	4⅜	5⅞	15	27¼	16½	28¾	18	30¼	19	31¼	21	33¼	24	36¼
403	20	21⅜	19 9/16	20 7/16	18 9/16	12	13¾	15	⅞	8	8	11¾	13½	17¾	29	5¼	3½	2	4⅝	6⅛	15	27¾	16½	29¼	18	30¾	19	31¾	21	33¾	24	36¾
404	20	22 1/16	18¾	20⅜	17	12	13¾	15	1	12	12	17	19	16 13/32	29	7⅛	3½	2	5 9/16	7 1/16	15	29⅝	16½	31⅛	18	32⅝	19	33⅝	21	35⅝	24	38⅝
405	20	22¾	18¾	20¾	16¾	12	13¾	15	1⅛	12	14	18¾	21	16 17/32	29	9½	3½	2	6¾	8¼	15	32	16½	33½	18	35	19	36	21	38	24	41
451	22½	24 3/16	22⅞	23 9/16	22¼	12	13¾	15	⅞	8	8	11¾	13½	20 13/16	32	4⅞	3½	2	4 7/16	5 5/16	15	27⅜	16½	28⅞	18	30⅜	19	31⅜	21	33⅜	24	36⅜
452	22½	24 9/16	22 11/16	23⅝	21¾	12	13¾	15	1	12	10	14¼	16	20 7/16	32	5½	3½	2	4¾	6¼	15	28	16½	29½	18	31	19	32	21	34	24	37
453	22½	24	21 15/16	23	20 13/16	12	13¾	15	1	12	10	14¼	16	19 31/32	32	5¾	3½	2	4⅞	6⅜	15	28¼	16½	29¾	18	31¼	19	32¼	21	34¼	24	37¼
454	22½	24¾	21	22⅞	19⅛	12	13¾	15	1⅛	12	14	18¾	21	18 13/16	32	8	3½	2	6	7½	15	30½	16½	32	18	33½	19	34½	21	36½	24	39½
455	22½	25½	21	23¼	18¾	12	13¾	15	1⅛	16	16	21¼	23½	18 9/16	32	10⅜	3½	2	7 3/16	8 1/16	15	32⅞	16½	34⅜	18	35⅞	19	36⅞	21	38⅞	24	41⅞

DIMENSIONAL DATA ARRANGEMENT 1



SIZES 251-355

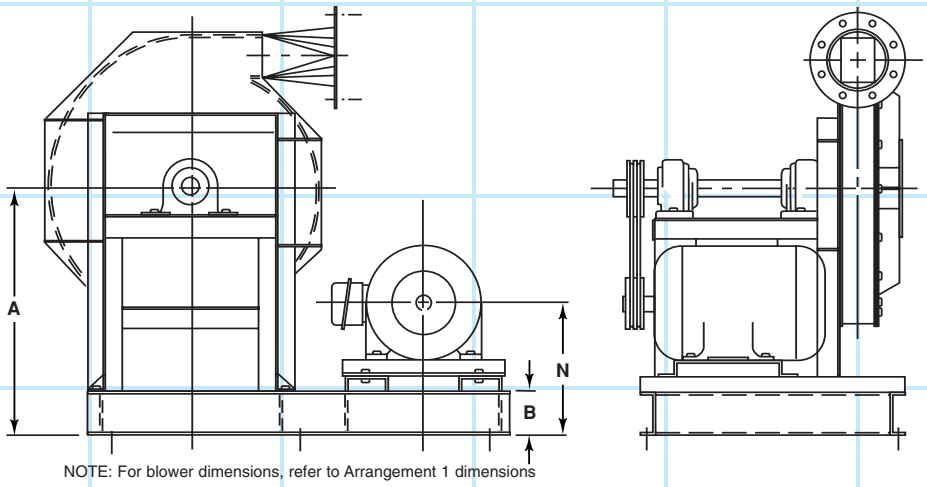
FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
251	12½	13 15/16	13 3/16	13 9/16	12 13/16	6	7	8	⅞	8	5	8½	10	11 9/16	18	3¼	3⅜	2	3⅝	5	12	27⅛	4½	1 1/16
252	12½	14⅛	13⅛	13⅝	12⅝	6	7	8	⅞	8	5	8½	10	11 5/16	18	3⅝	3⅜	2	3 13/16	5 3/16	12	27½	4½	1 1/16
253	12½	13½	12⅜	12 15/16	11 13/16	6	7	8	⅞	8	5	8½	10	11 3/32	18	3⅜	3⅜	2	3 15/16	5 5/16	12	27¾	4½	1 1/16
254	12½	13 5/16	11 13/16	12⅞	10¾	6	7	8	⅞	8	8	11¾	13½	10¼	18	5¼	3⅜	2	4⅝	6	12	29⅛	4½	1 1/16
255	12½	14 5/16	11 13/16	13 1/16	10 9/16	6	7	8	⅞	8	8	11¾	13½	10 9/32	18	6⅜	3⅜	2	5 3/16	6 3/16	12	30¼	4½	1 1/16
301	15	16½	15⅝	16 1/16	15 3/16	7	8	9	⅞	8	6	9½	11	13⅞	21	3⅜	3⅜	2	3 11/16	5 1/16	17	32¾	5	1 5/16
302	15	16¾	15½	16 1/16	14⅞	7	8	9	⅞	8	6	9½	11	13 5/8	21	4	3⅜	2	4	5 3/16	17	33⅜	5	1 5/16
303	15	16⅛	14¾	15 7/16	14 1/16	7	8	9	⅞	8	6	9½	11	13 5/16	21	4¼	3⅜	2	4	5½	17	33⅜	5	1 5/16
304	15	16 5/8	14⅛	15 3/8	12⅞	7	8	9	1	12	10	14¼	16	12 9/32	21	5⅞	3⅜	2	4 15/16	6 5/16	17	35¼	5	1 5/16
305	15	17⅛	14⅛	15 5/8	12 5/8	7	8	9	1	12	10	14¼	16	12⅜	21	7⅛	3⅜	2	5 9/16	6 15/16	17	36½	5	1 5/16
351	17½	19 1/16	18 1/16	18 3/16	17 9/16	9	10	11	⅞	8	6	9½	11	16 3/16	26	3¾	3⅜	2	3⅞	5¼	18½	35⅛	5½	2 3/16
352	17½	19⅜	17⅞	18 5/8	17⅛	9	10	11	⅞	8	8	11¾	13½	15 23/32	26	4¼	3⅜	2	4⅛	5½	18½	35⅝	5½	2 3/16
353	17½	18¾	17⅛	17 5/16	16 5/16	9	10	11	⅞	8	8	11¾	13½	15 17/32	26	4½	3⅜	2	4¼	5⅝	18½	35⅞	5½	2 3/16
354	17½	19 5/16	16 7/16	17⅞	15	9	10	11	1	12	10	14¼	16	14 5/16	26	6⅜	3⅜	2	5 3/16	6 3/16	18½	37¾	5½	2 3/16
355	17½	19 15/16	16 7/16	18 3/16	14 11/16	9	10	11	1	12	12	17	19	14 15/32	26	8¼	3⅜	2	6⅛	7½	18½	39⅝	5½	2 3/16



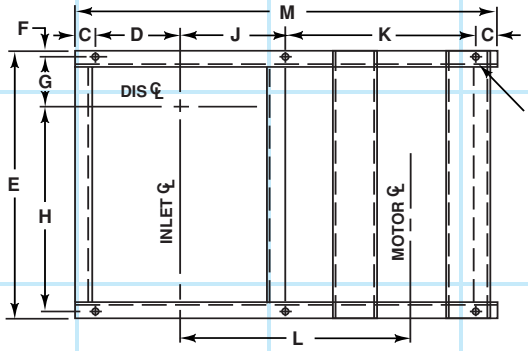
SIZES 401-455

FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
401	20	20⅝	20½	21 1/16	19 15/16	12	13¾	15	⅞	8	8	11¾	13½	18½	29	4½	3½	2	4¼	5¾	22	6	40	2 7/16
402	20	21 15/16	20⅜	21⅛	19 5/16	12	13¾	15	⅞	8	8	11¾	13½	18⅛	29	4¾	3½	2	4⅜	5⅞	22	6	40¼	2 7/16
403	20	21⅜	19 9/16	20 7/16	18 9/16	12	13¾	15	⅞	8	8	11¾	13½	17¾	29	5¼	3½	2	4⅝	6⅛	22	6	40¾	2 7/16
404	20	22 1/16	18¾	20⅜	17	12	13¾	15	1	12	12	17	19	16 13/32	29	7⅛	3½	2	5 3/16	7 1/16	22	6	42⅝	2 7/16
405	20	22¾	18¾	20¾	16¾	12	13¾	15	1⅛	12	14	18¾	21	16 17/32	29	9½	3½	2	6¾	8¼	22	6	45	2 7/16
451	22½	24 3/16	22⅞	23 3/16	22¼	12	13¾	15	⅞	8	8	11¾	13½	20 13/16	32	4⅞	3½	2	4 7/16	5 15/16	22	6	40 3/8	2 11/16
452	22½	24 3/16	22 1/16	23⅝	21¾	12	13¾	15	1	12	10	14¼	16	20 7/16	32	5½	3½	2	4¾	6¼	22	6	41	2 11/16
453	22½	24	21 15/16	23	20 13/16	12	13¾	15	1	12	10	14¼	16	19 3/32	32	5¾	3½	2	4⅞	6⅜	22	6	41¼	2 11/16
454	22½	24¾	21	22⅞	19⅛	12	13¾	15	1⅛	12	14	18¾	21	18 13/32	32	8	3½	2	6	7½	22	6	43½	2 11/16
455	22½	25½	21	23¼	18¾	12	13¾	15	1⅛	16	16	21¼	23½	18⅜	32	10⅜	3½	2	7 3/16	8 1/16	22	6	45⅞	2 11/16

DIMENSIONAL DATA
ARRANGEMENT 1
W/UNITARY BASE



NOTE: For blower dimensions, refer to Arrangement 1 dimensions



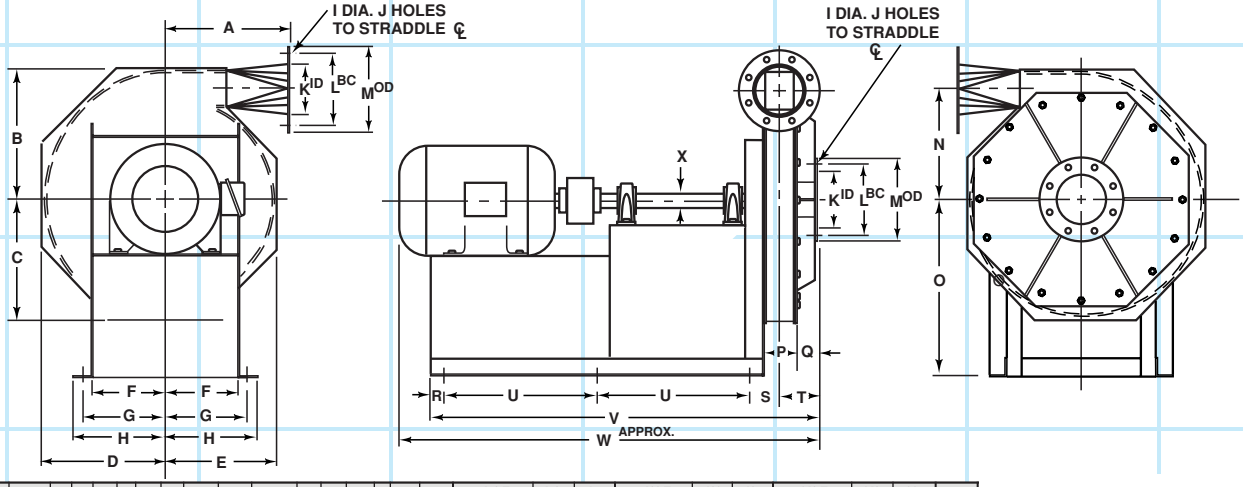
Motor Position "W" shown
Motor Position "Z" is mirror image

SIZES 251-455

FAN SIZE	A	B	C	D	E	F	G	H	I	143-T 145-T						182-T 184-T						213-T 215-T						254-T 256-T						284-T,TS 286-T,TS						324-T,TS 326-T,TS					
										J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄
251	22	4	3	5	24⅝	1	4	18⅝	11⁄16	10½	15½	23	37	10⅝	25.7	11½	16½	23	39	12	25.1	12½	17½	25	41	13	26.6	14	19	26	44	14¼	27.1	15	20	27	46	15	27.9	—	—	—	—	—	—
252	22	4	3	5	25	1	4⅜	18 13⁄16	11⁄16	10½	15½	23	37	10⅝	25.7	11½	16½	23	39	12	25.1	12½	17½	25	41	13	26.6	14	19	26	44	14¼	27.1	15	20	27	46	15	27.9	—	—	—	—	—	—
253	22	4	3	5	25¼	1	4 5⁄16	18 15⁄16	11⁄16	10½	15½	23	37	10⅝	25.7	11½	16½	23	39	12	25.1	12½	17½	25	41	13	26.6	14	19	26	44	14¼	27.1	15	20	27	46	15	27.9	—	—	—	—	—	—
254	22	4	3	5	26⅝	1	5	19⅝	11⁄16	10½	15½	23	37	10⅝	25.7	11½	16½	23	39	12	25.1	12½	17½	25	41	13	26.6	14	19	26	44	14¼	27.1	15	20	27	46	15	27.9	—	—	—	—	—	—
255	22	4	3	5	27¾	1	5⅜	20⅜	11⁄16	10½	15½	23	37	10⅝	25.7	11½	16½	23	39	12	25.1	12½	17½	25	41	13	26.6	14	19	26	44	14¼	27.1	15	20	27	46	15	27.9	—	—	—	—	—	—
301	25	4	3	5	29¾	1	4 1⁄16	20 11⁄16	11⁄16	11	17	25	40	10⅝	28.8	12½	18½	27	43	12	30.0	13½	19½	28	45	13	30.5	15	21	29	48	14¼	30.9	16	22	30	50	15	31.6	17½	23½	32	53	16½	33.1
302	25	4	3	5	30⅜	1	4⅜	24	11⁄16	11	17	25	40	10⅝	28.8	12½	18½	27	43	12	30.0	13½	19½	28	45	13	30.5	15	21	29	48	14¼	30.9	16	22	30	50	15	31.6	17½	23½	32	53	16½	33.1
303	25	4	3	5	30⅝	1	4½	24⅛	11⁄16	11	17	25	40	10⅝	28.8	12½	18½	27	43	12	30.0	13½	19½	28	45	13	30.5	15	21	29	48	14¼	30.9	16	22	30	50	15	31.6	17½	23½	32	53	16½	33.1
304	25	4	3	5	32¼	1	5⅜	24 15⁄16	11⁄16	11	17	25	40	10⅝	28.8	12½	18½	27	43	12	30.0	13½	19½	28	45	13	30.5	15	21	29	48	14¼	30.9	16	22	30	50	15	31.6	17½	23½	32	53	16½	33.1
305	25	4	3	5	32½	1	5 15⁄16	25 9⁄16	11⁄16	11	17	25	40	10⅝	28.8	12½	18½	27	43	12	30.0	13½	19½	28	45	13	30.5	15	21	29	48	14¼	30.9	16	22	30	50	15	31.6	17½	23½	32	53	16½	33.1
351	32	6	8	3	32⅛	1	4¼	25⅞	13⁄16	—	—	—	—	—	—	13	21	29	48	14½	33.9	14	22	30	50	15½	34.2	15½	23½	32	53	16¾	35.4	16½	24½	33	55	17½	36.0	18	26	34	58	19	36.4
352	32	6	8	3	32⅝	1	4½	26⅛	13⁄16	—	—	—	—	—	—	13	21	29	48	14½	33.9	14	22	30	50	15½	34.2	15½	23½	32	53	16¾	35.4	16½	24½	33	55	17½	36.0	18	26	34	58	19	36.4
353	32	6	8	3	32⅞	1	4⅝	26¼	13⁄16	—	—	—	—	—	—	13	21	29	48	14½	33.9	14	22	30	50	15½	34.2	15½	23½	32	53	16¾	35.4	16½	24½	33	55	17½	36.0	18	26	34	58	19	36.4
354	32	6	8	3	34¾	1	5⅜	27⅜	13⁄16	—	—	—	—	—	—	13	21	29	48	14½	33.9	14	22	30	50	15½	34.2	15½	23½	32	53	16¾	35.4	16½	24½	33	55	17½	36.0	18	26	34	58	19	36.4
355	32	6	8	3	36⅝	1	6½	28⅛	13⁄16	—	—	—	—	—	—	13	21	29	48	14½	33.9	14	22	30	50	15½	34.2	15½	23½	32	53	16¾	35.4	16½	24½	33	55	17½	36.0	18	26	34	58	19	36.4

FAN SIZE	A	B	C	D	E	F	G	H	I	254-T 256-T						284-T, TS 286-T, TS						324-T,TS 326-T,TS						364-T,TS 365T,TS						404-T,TS 405-T,TS						444-T,TS 445-T,TS					
										J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄	J	K	L	M	N	BELT ℄
401	35	6	3	12	36½	1	4¾	29¾	13⁄16	15	27	35	60	16¾	39.5	16	28	36	62	17½	40.0	17½	29½	37	65	19	40.3	19	31	39	68	20	41.8	20½	32½	40	71	21½	42.2	21½	33½	41	73	22½	42.9
402	35	6	3	12	36¾	1	4⅞	29⅞	13⁄16	15	27	35	60	16¾	39.5	16	28	36	62	17½	40.0	17½	29½	37	65	19	40.3	19	31	39	68	20	41.8	20½	32½	40	71	21½	42.2	21½	33½	41	73	22½	42.9
403	35	6	3	12	37¼	1	5⅛	30⅛	13⁄16	15	27	35	60	16¾	39.5	16	28	36	62	17½	40.0	17½	29½	37	65	19	40.3	19	31	39	68	20	41.8	20½	32½	40	71	21½	42.2	21½	33½	41	73	22½	42.9
404	35	6	3	12	39⅛	1	6 1⁄16	31 1⁄16	13⁄16	15	27	35	60	16¾	39.5	16	28	36	62	17½	40.0	17½	29½	37	65	19	40.3	19	31	39	68	20	41.8	20½	32½	40	71	21½	42.2	21½	33½	41	73	22½	42.9
405	35	6	3	12	41½	1	7¼	32¼	13⁄16	15	27	35	60	16¾	39.5	16	28	36	62	17½	40.0	17½	29½	37	65	19	40.3	19	31	39	68	20	41.8	20½	32½	40	71	21½	42.2	21½	33½	41	73	22½	42.9
451	38	6	3	12	36⅞	1	4 15⁄16	29 15⁄16	13⁄16	16	28	37	62	16¾	42.7	17	29	38	64	17½	43.2	18½	30½	40	67	19	44.3	20	32	41	70	20	44.8	21½	33½	43	73	21½	46.1	23½	35½	44	77	22½	46.7
452	38	6	3	12	37½	1	5¼	30¼	13⁄16	16	28	37	62	16¾	42.7	17	29	38	64	17½	43.2	18½	30½	40	67	19	44.3	20	32	41	70	20	44.8	21½	33½	43	73	21½	46.1	23½	35½	44	77	22½	46.7
453	38	6	3	12	37¾	1	5⅜	30⅜	13⁄16	16	28	37	62	16¾	42.7	17	29	38	64	17½	43.2	18½	30½	40	67	19	44.3	20	32	41	70	20	44.8	21½	33½	43	73	21½	46.1	23½	35½	44	77	22½	46.7
454	38	6	3	12	40	1	6½	31½	13⁄16	16	28	37	62	16¾	42.7	17	29	38	64	17½	43.2	18½	30½	40	67	19	44.3	20	32	41	70	20	44.8	21½	33½	43	73	21½	46.1	23½	35½	44	77	22½	46.7
455	38	6	3	12	42⅜	1	7 1⁄16	32 1⁄16	13⁄16	16	28	37	62	16¾	42.7	17	29	38	64	17½	43.2	18½	30½	40	67	19	44.3	20	32	41	70	20	44.8	21½	33½	43	73	21½	46.1	23½	35½	44	77	22½	46.7

DIMENSIONAL DATA
ARRANGEMENT 8

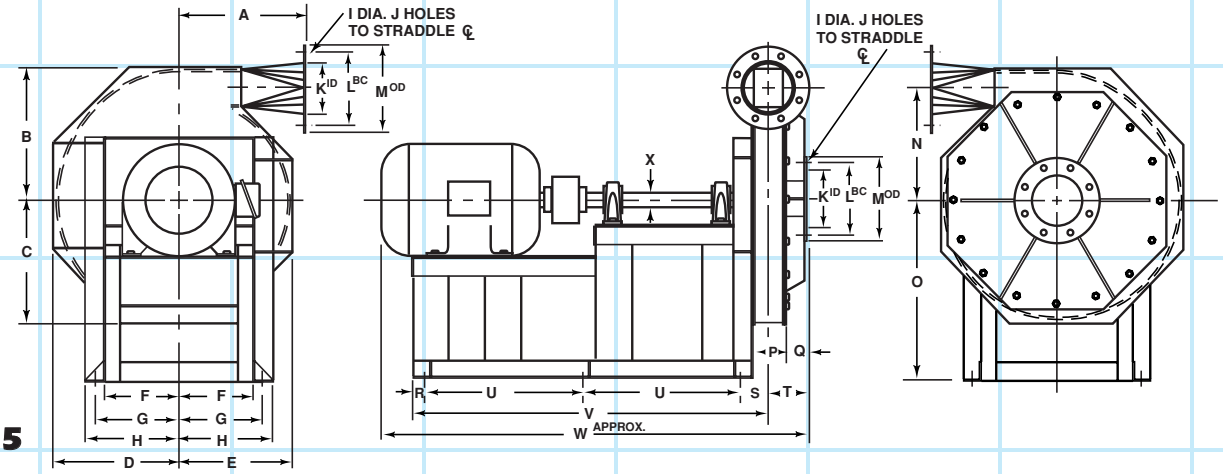


SIZES 251-355

FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	143-T 145-T U	143-T 145-T V	143 T W	145 T W	182-T 184-T U	182-T 184-T V	182 T W	184 T W	213-T 215-T U	213-T 215-T V	213 T W	215 T W	X
251	12½	13 15/16	13 3/16	13 3/16	12 13/16	6	7	8	7/8	8	5	8½	10	11 3/16	18	3¼	3 3/16	2	3 5/16	5	13 13/16	38¼	40 5/16	41 5/16	14 3/16	39¾	42 1/8	43 1/8	16	42 5/16	45 3/16	47 1/16	1 11/16
252	12½	14 1/8	13 1/8	13 5/8	12 5/8	6	7	8	7/8	8	5	8½	10	11 5/16	18	3 5/8	3 3/16	2	3 13/16	5 3/16	13 13/16	38 5/8	40 11/16	41 11/16	14 3/16	40 1/8	42½	43½	16	43	45 15/16	47 7/16	1 11/16
253	12½	13½	12 3/8	12 15/16	11 13/16	6	7	8	7/8	8	5	8½	10	11 3/32	18	3 7/8	3 3/16	2	3 15/16	5 5/16	13 13/16	38 7/8	40 15/16	41 15/16	14 3/16	40 3/8	42 3/4	43¾	16	43¼	46 3/16	47 11/16	1 11/16
254	12½	13 15/16	11 13/16	12 7/8	10¾	6	7	8	7/8	8	8	11¾	13½	10¼	18	5¼	3 3/16	2	4 5/16	6	13 13/16	40¼	42 5/16	43 5/16	14 3/16	41¾	44 1/8	45 1/8	16	44 3/16	47 3/16	49 1/16	1 11/16
255	12½	14 5/16	11 13/16	13 1/16	10 9/16	6	7	8	7/8	8	8	11¾	13½	10 9/32	18	6 3/16	3 3/16	2	5 3/16	6 5/16	13 13/16	41 3/8	43 7/16	44 7/16	14 3/16	42 7/8	45¼	46¼	16	45¾	48 11/16	50 3/16	1 11/16

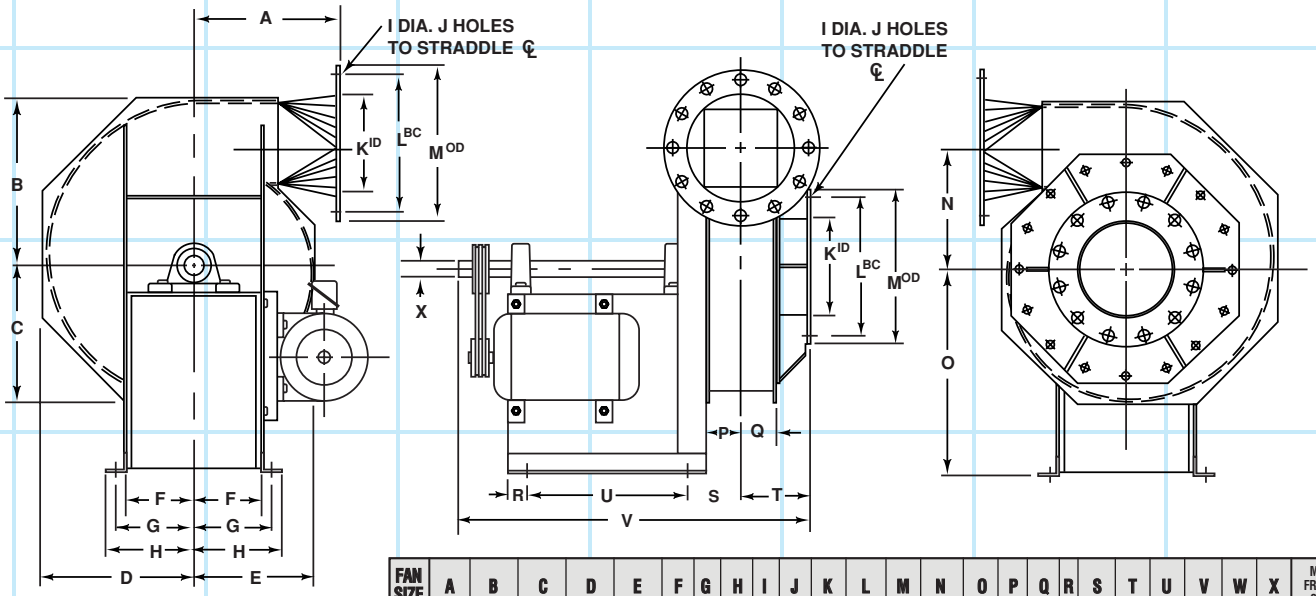
FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	143-T 145-T U	143-T 145-T V	143 T W	145 T W	182-T 184-T U	182-T 184-T V	182 T W	184 T W	213-T 215-T U	213-T 215-T V	213 T W	215 T W	254-T 256-T U	254-T 256-T V	254 T W	256 T W	284-TS 286-TS U	284-TS 286-TS V	284 T W	286 T W	X
301	15	16½	15 5/8	16 1/16	15 3/16	7	8	9	7/8	8	6	9½	11	13 7/8	21	3 3/16	3 3/16	2	3 11/16	5 1/16	16 9/16	43 7/16	46 7/16	47 7/16	17 5/16	45 3/16	48 1/4	49 1/4	18 3/4	48 1/4	51 11/16	53 3/16	20 15/16	52 5/8	56 3/8	58 3/16	21 5/16	53 3/16	58 3/16	60 3/16	1 15/16
302	15	16¾	15½	16 1/8	14 7/8	7	8	9	7/8	8	6	9½	11	13 3/8	21	4	3 3/16	2	4	5 3/8	16 9/16	44½	47 1/16	48 1/16	17 5/16	46	48 3/8	49 3/8	18 3/4	48 7/8	52 5/16	53 13/16	20 15/16	53¼	57	58 13/16	21 5/16	54	57 3/8	59 3/16	1 15/16
303	15	16 1/8	14¾	15 7/16	14 1/16	7	8	9	7/8	8	6	9½	11	13 5/16	21	4¼	3 3/16	2	4 1/8	5½	16 9/16	44¾	47 5/16	48 5/16	17 5/16	46¼	49 1/8	50 1/8	18¾	49 1/8	52 9/16	54 1/16	20 15/16	53½	57¼	59 1/16	21 5/16	54¼	57 3/16	59 7/16	1 15/16
304	15	16 5/8	14 1/8	15 3/8	12 7/8	7	8	9	1	12	10	14¼	16	12 9/32	21	5 7/8	3 3/16	2	4 15/16	6 5/16	16 9/16	46 3/8	48 15/16	49 15/16	17 5/16	47 7/8	50¾	51¾	18¾	50¾	54 3/16	55 11/16	20 15/16	55 1/8	58 7/8	60 11/16	21 5/16	55 7/8	59¼	61 1/16	1 15/16
305	15	17 1/8	14 1/8	15 5/8	12 5/8	7	8	9	1	12	10	14¼	16	12 3/8	21	7 1/16	3 3/16	2	5 9/16	6 15/16	16 9/16	47 3/8	50 3/16	51 3/16	17 5/16	49 1/8	52	53	18¾	52	55 7/16	56 15/16	20 15/16	56 3/8	60 1/8	61 5/16	21 5/16	57 1/8	60½	62 5/16	1 15/16

FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	182-T 184-T U	182-T 184-T V	182 T W	184 T W	213-T 215-T U	213-T 215-T V	213 T W	215 T W	254-T 256-T U	254-T 256-T V	256 T W	284-TS 286-TS W	284 TS U	286 TS V	324-TS 326-TS W	324 TS W	326 TS U	326 TS V	X
351	17½	19 1/16	18 1/16	18 9/16	17 3/16	9	10	11	7/8	8	6	9½	11	16 3/16	26	3¾	3 3/16	2	3 3/16	5¼	18 5/16	47¾	50 3/16	51 5/16	19¾	50 5/16	54 1/16	55 5/16	21 5/16	55	58¾	60 9/16	22 5/16	55¾	61	62 1/16	23 5/16	57¾	63 3/16	65 3/16	2 3/16
352	17½	19 3/16	17 3/16	18 5/16	17 1/16	9	10	11	7/8	8	8	11¾	13½	15 23/32	26	4¼	3 3/16	2	4 1/16	5½	18 5/16	48¼	51 1/16	52 1/16	19¾	51 1/16	54 9/16	56 1/16	21 5/16	55½	59¼	61 1/16	22 5/16	56¼	61½	63	23 5/16	58¼	64 3/16	66 7/16	2 3/16
353	17½	18¾	17 1/16	17 15/16	16 5/16	9	10	11	7/8	8	8	11¾	13½	15 17/32	26	4½	3 3/16	2	4¼	5 3/8	18 5/16	48½	51 3/16	52 3/16	19¾	51 3/16	54 13/16	56 5/16	21 5/16	55¾	59½	61 5/16	22 5/16	56½	61¾	63¼	23 5/16	58½	64 5/16	66 1/8	2 3/16
354	17½	19 5/16	16 7/16	17 7/8	15	9	10	11	1	12	10	14¼	16	14 5/16	26	6 3/16	3 3/16	2	5 3/16	6 5/16	18 5/16	50¾	53¼	54¼	19¾	53¼	56 11/16	58 3/16	21 5/16	57 5/16	61 3/16	63 3/16	22 5/16	58 3/16	63 5/16	65 1/16	23 5/16	60 3/16	66½	68	2 3/16
355	17½	19 5/16	16 7/16	18 3/16	14 11/16	9	10	11	1	12	12	17	19	14 15/16	26	8¼	3 3/16	2	6 1/16	7½	18 5/16	52¼	54 5/16	55 5/16	19¾	55 1/16	58 9/16	60 1/16	21 5/16	59½	63¼	65 1/16	22 5/16	60¼	65½	67	23 5/16	62¼	68 3/16	69 7/16	2 3/16



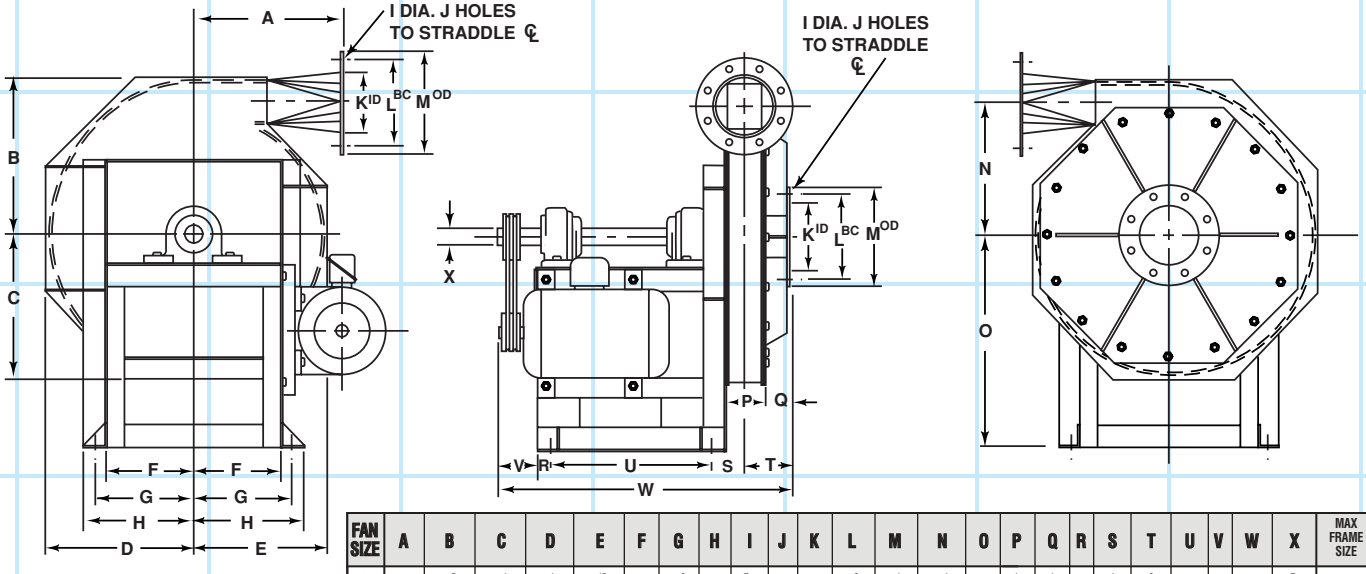
SIZES 401-455

FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	254-T 256-T U	254-T 256-T V	254 T W	256 T W	284-TS 286-TS U	284-TS 286-TS V	284 TS W	286 TS W	324-TS 326-TS U	324-TS 326-TS V	324 TS W	326 TS W	364-TS 366-TS U	364-TS 366-TS V	364 TS W	366 TS W	404-TS 406-TS U	404-TS 406-TS V	404 TS W	406 TS W	444-TS 446-TS U	444-TS 446-TS V	444 TS W	446 TS W	X
401	20	21 5/8	20½	21 1/16	19 5/16	12	13¾	15	7/8	8	8	11¾	13½	18½	29	4½	3½	2	4¼	5¾	24¼	60½	62 5/16	64 1/16	24 1/16	61 3/8	65 5/16	66 5/16	25 1/16	63 3/8	68 1/4	69¾	26¼	64½	70 5/16	71 5/16	27½	67	73 5/16	75 1/16	29 7/16	70 5/16	78 5/16	80 5/16	2 7/16
402	20	21 5/16	20 3/16	21 1/16	19 5/16	12	13¾	15	7/8	8	8	11¾	13½	18 1/8	29	4¾	3½	2	4¾	5 7/16	24¼	60¾	63 3/16	64 5/16	24 1/16	61 5/8	65 5/16	67 1/16	25 1/16	63 5/16	68 1/2	70	26¼	64¾	71 1/16	72 1/16	27½	67¼	73 5/16	75 3/16	29 7/16	71 1/16	78 1/16	80 1/16	2 7/16
403	20	21 3/8	19 3/16	20 1/16	18 3/16	12	13¾	15	7/8	8	8	11¾	13½	17¾	29	5¼	3½	2	4 5/16	6 1/8	24¼	61¼	63 1/16	65 1/16	24 1/16	62 1/8	66 1/8	67 5/16	25 1/16	64 1/8	69	70 1/2	26¼	65¼	71 5/16	72 5/16	27½	67¾	74 3/16	75 1/16	29 7/16	71 5/16	79 1/16	81 3/16	2 7/16
404	20	22 1/16	18¾	20 3/8	17	12	13¾	15	1	12	12	17	19	16 13/32	29	7 1/8	3½	2	5 3/16	7 1/16	24¼	63 1/8	65 3/16	67 5/16	24 1/16	64	68	69 1/2	25 1/16	66	70 7/8	72 3/16	26¼	67 1/8	73½	74½	27½	69 5/16	76¼	77¾	29 7/16	73½	81¼	83¼	2 7/16
405	20	22¾	18¾	20¾	16¾	12	13¾	15	1 1/16	12	14	18¾	21	16 17/32	29	9½	3½	2	6¾	8¼	24¼	65½	67 15/16	69 11/16	24 1/16	66 3/8	70 3/16	71 1/8	25 1/16	68 5/16	73¼	74 7/8	26¼	69½	75 7/8	76 7/8	27½	72	78 5/16	80 1/16	29 7/16	75 7/8	83 5/16	85 5/16	2 7/16
451	22½	24 3/16	22 7/8	23 3/16	22¼	12	13¾	15	7/8	8	8	11¾	13½	20 1/16	32	4 7/8	3½	2	4 7/16	5 15/16	24¼	60 7/8	63 5/16	65 1/16	24 1/16	61¾	65 3/16	67¼	25 1/16	63¾	68 5/16	70 1/8	26¼	64 7/8	71¼	72¼	27½	67 3/16	74	75½	29 7/16	71¼	79	81	2 11/16
452	22½	24 9/16	22 11/16	23 5/16	21¾	12	13¾	15	1	12	10	14¼	16	20 7/16	32	5½	3½	2	4¾	6¼	24¼	61½	63 15/16	65 11/16	24 1/16	62 3/8	66 3/16	67 3/8	25 1/16	64 3/8	69¼	70¾	26¼	65½	71 7/8	72 7/8	27½	68	74 5/16	76 1/8	29 7/16	71 7/8	79 5/16	81 5/16	2 11/16
453	22½	24	21 5/16	23	20 3/16	12	13¾	15	1	12	10	14¼	16	19 3/32	32	5¾	3½	2	4 7/16	6 3/8	24¼	61¾	64 3/16	65 15/16	24 1/16	62 5/8	66 5/16	68 1/16	25 1/16	64 5/8	69½	71	26¼	65¾	71 13/16	73 1/16	27½	68¼	74 3/16	76 3/16	29 7/16	72 1/16	79 7/16	81 7/16	2 11/16
454	22½	24¾	21	22 7/8	19 1/8	12	13¾	15	1 1/16	12	14	18¾	21	18 1/16	32	8	3½	2	6	7½	24¼	64	66 7/16	68 3/16	24 1/16	64 7/8	68 7/16	70 3/16	25 1/16	66 7/8	71 3/4	73¼	26¼	68	74 3/16	75 3/16	27½	70½	77 1/16	78 3/16	29 7/16	74 3/16	82 1/16	84 1/16	2 11/16
455	22½	25½	21	23¼	18¾	12	13¾	15	1 1/16	16	16	21¼	23½	19 3/16	32	10 3/16	3½	2	7 3/16	8 1/16	24¼	66 3/16	68 13/16	70 5/16	24 1/16	67¼	71¼	72¾	25 1/16	69¼	74 1/8	75 5/16	26¼	70 3/16	76¾	77¾	27½	72 7/8	79½	81	29 7/16	76¾	84½	86½	2 11/16



SIZES 251-355

FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	MAX FRAME SIZE
251	12½	13 15/16	13 3/16	13 3/16	12 13/16	6	7	8	7/8	8	5	8½	10	11 9/16	18	3¼	3⅜	2	3⅝	5	12	27⅛	4½	1 1/16	215-T
252	12½	14⅛	13⅛	13⅜	12⅝	6	7	8	7/8	8	5	8½	10	11 5/16	18	3⅜	3⅜	2	3 13/16	5 3/16	12	27½	4½	1 1/16	215-T
253	12½	13½	12⅜	12 15/16	11 13/16	6	7	8	7/8	8	5	8½	10	11 3/32	18	3⅜	3⅜	2	3 15/16	5 5/16	12	27¾	4½	1 1/16	215-T
254	12½	13 15/16	11 13/16	12⅞	10¾	6	7	8	7/8	8	8	11¾	13½	10¼	18	5¼	3⅜	2	4⅝	6	12	29⅛	4½	1 1/16	215-T
255	12½	14 5/16	11 13/16	13 1/16	10 9/16	6	7	8	7/8	8	8	11¾	13½	10 9/32	18	6⅜	3⅜	2	5 3/16	6 9/16	12	30¼	4½	1 1/16	215-T
301	15	16½	15⅝	16 1/16	15 3/16	7	8	9	7/8	8	6	9½	11	13⅞	21	3⅜	3⅜	2	3 1/16	5 1/16	17	32¾	5	1 5/16	256-T
302	15	16¾	15½	16⅛	14⅞	7	8	9	7/8	8	6	9½	11	13⅝	21	4	3⅜	2	4	5⅜	17	33⅜	5	1 5/16	256-T
303	15	16⅛	14¾	15 7/16	14 1/16	7	8	9	7/8	8	6	9½	11	13 5/16	21	4¼	3⅜	2	4⅛	5½	17	33⅜	5	1 5/16	256-T
304	15	16⅝	14⅛	15⅜	12⅞	7	8	9	1	12	10	14¼	16	12 9/32	21	5⅞	3⅜	2	4 5/16	6 5/16	17	35¼	5	1 5/16	256-T
305	15	17⅛	14⅛	15⅜	12⅝	7	8	9	1	12	10	14¼	16	12⅜	21	7⅛	3⅜	2	5 5/16	6 5/16	17	36½	5	1 5/16	256-T
351	17½	19 1/16	18 1/16	18 9/16	17 9/16	9	10	11	7/8	8	6	9½	11	16 3/16	26	3¾	3⅜	2	3⅞	5¼	18½	35⅛	5½	2 3/16	286-T
352	17½	19⅜	17⅞	18⅝	17⅛	9	10	11	7/8	8	8	11¾	13½	15 23/32	26	4¼	3⅜	2	4⅛	5½	18½	35⅝	5½	2 3/16	286-T
353	17½	18¾	17⅞	17 15/16	16 5/16	9	10	11	7/8	8	8	11¾	13½	15 17/32	26	4½	3⅜	2	4¼	5⅜	18½	35⅞	5½	2 3/16	286-T
354	17½	19 5/16	16 7/16	17⅞	15	9	10	11	1	12	10	14¼	16	14 5/16	26	6⅜	3⅜	2	5 3/16	6 9/16	18½	37¾	5½	2 3/16	286-T
355	17½	19 15/16	16 7/16	18 3/16	14 11/16	9	10	11	1	12	12	17	19	15 15/32	26	8¼	3⅜	2	6⅛	7½	18½	39⅝	5½	2 3/16	286-T



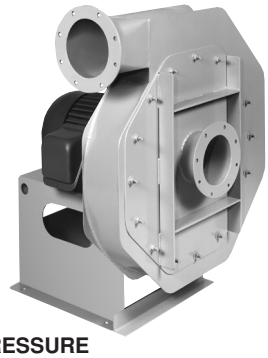
SIZES 401-455

FAN SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	MAX FRAME SIZE
401	20	21 5/8	20½	21 1/16	19 15/16	12	13¾	15	7/8	8	8	11¾	13½	18½	29	4½	3½	2	4¼	5¾	22	6	40	2 7/16	286-T
402	20	21 15/16	20 3/16	21⅛	19 5/16	12	13¾	15	7/8	8	8	11¾	13½	18⅛	29	4¾	3½	2	4⅜	5⅞	22	6	40¼	2 7/16	286-T
403	20	21⅜	19 9/16	20 7/16	18 9/16	12	13¾	15	7/8	8	8	11¾	13½	17¾	29	5¼	3½	2	4⅝	6⅛	22	6	40¾	2 7/16	286-T
404	20	22 1/16	18¾	20⅜	17	12	13¾	15	1	12	12	17	19	16 13/32	29	7⅛	3½	2	5 9/16	7 1/16	22	6	42⅝	2 7/16	286-T
405	20	22¾	18¾	20¾	16¾	12	13¾	15	1⅛	12	14	18¾	21	16 17/32	29	9½	3½	2	6¾	8¼	22	6	45	2 7/16	286-T
451	22½	24 3/16	22⅞	23 9/16	22¼	12	13¾	15	⅞	8	8	11¾	13½	20 13/16	32	4⅞	3½	2	4 7/16	5 15/16	22	6	40 3/8	2 11/16	286-T
452	22½	24 9/16	22 11/16	23⅝	21¾	12	13¾	15	1	12	10	14¼	16	20 7/16	32	5½	3½	2	4¾	6¼	22	6	41	2 11/16	286-T
453	22½	24	21 15/16	23	20 13/16	12	13¾	15	1	12	10	14¼	16	19 31/32	32	5¾	3½	2	4⅞	6⅜	22	6	41¼	2 11/16	286-T
454	22½	24¾	21	22⅞	19⅛	12	13¾	15	1⅛	12	14	18¾	21	18 13/32	32	8	3½	2	6	7½	22	6	43½	2 11/16	286-T
455	22½	25½	21	23¼	18¾	12	13¾	15	1⅛	16	16	21¼	23½	18 9/16	32	10⅜	3½	2	7 3/16	8 11/16	22	6	45⅞	2 11/16	286-T

BACKWARDLY INCLINED AIRFOIL
18 Sizes from 1,000 to 93,000 CFM. Pressures to 17" WG. Write for Bulletin AS-0951.

INDUSTRIAL EXHAUSTER
13 Sizes from 400 to 43,000 CFM. Pressures to 40" WG. Write for Bulletin E-0601.

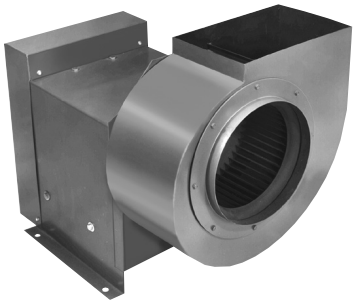
TUBE AXIAL
12 Sizes from 12" to 60" props. ¼ to 25 HP. 1,000 to 77,000 CFM. Adjustable pitch fan blades. Available in stainless steel, aluminum or special coatings. Write for Bulletin TA-1300.



TURBO-PRESSURE
9 Sizes from 400 to 3,000 CFM. 4 wheel types. Pressures to 55" WG. Write for Bulletin VP-0403.

PRESSURE BLOWER
5 Sizes from ⅛ to 30 HP, 350 to 4,300 CFM. Pressures to 20" WG. Cast Aluminum construction. Write for Bulletin AF-0302.

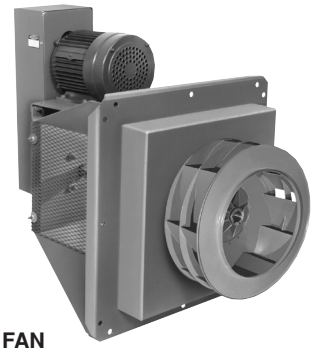
PANEL EXHAUST FAN
Model PF-Direct Drive, Model PFB-Belt Drive. 9 Sizes from 12" to 60" dia. props. Air delivery to 72,000 CFM. Write for Bulletin PF-1401.



UTILITY SETS
Model SMB-Direct Drive or Belt Drive. 6 Sizes from 100 to 4,800 CFM. Pressures to 3" WG. Write for Bulletin SMB-1101.

VOLUME BLOWER
Model SC-Direct Drive or Belt Drive.
4 Sizes from 100 to 1,400 CFM.
Pressures to 4" WG. Write for Bulletin SC-1000.

UPBLAST ROOF VENTILATOR
Model PR-Direct Drive, Model RVB-Belt Drive. 18" to 60" dia. Air delivery 2,000 to 77,000 CFM. Write for Bulletin RV-1501.



PLUG FAN
14 Sizes from 1,000 to 50,000 CFM. Pressures to 13" WG. Write for Bulletin PBCS-1201.

QBCA BACKWARDLY INCLINED AIRFOIL BLOWER
14 Sizes from 500 to 42,000 CFM. Pressures to 17" WG. Write for Bulletin AS-0951.

HOODED ROOF VENTILATOR
Intake, Filtered Intake and Exhaust Duty.
6 Sizes from 1,000 to 48,000 CFM.
Write for Bulletin RV-1501.

REPRESENTED BY:

American Fan Company

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Phone: 513-874-2400 Fax: 513-870-6249
EMAIL: af-sales@flaktwoods.com

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