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DF Fan Services, Inc. manufactures the forward curved fan lines originally designed and formerly manufactured by the "Clarage Fan Company".

One of these product lines is the "Clarage Type HV Multiblade Fans" sometimes known as Spider fans due to the fan wheel hubs.

Replacement parts are available for sizes ½ through 2-1/2.

Replacement parts are NOT available for sizes 2-3/4 through 9

This attached catalog contains performance and dimensional information on the complete product line

Please contact us at the above numbers if you have any questions.

TYPE HV Multiblade Fans

FEATURES

- 1. High efficiency with low operating speeds.
- **2.** Silent in operation.
- **3.** Built in a large range of sizes and arrangements to meet every ventilation and air conditioning requirement.

APPLICATION

Type HV Fans are recommended for ventilating and air conditioning services where slow speed, extremely quiet performance is required.

They are especially well suited to installations where the available equipment space is limited. The slow speed characteristic of the Type HV makes possible the use of smaller fans at higher outlet velocities than would be considered advisable with other types for any given noise level.

Type HV Fans are also available in special constructions for light-duty induced draft service.

DESIGN

Slow Speeds — For a given performance requirement, the Type HV Fan operates at lower speeds than any other type. Due to this speed characteristic, this type of fan is not suitable for direct connection to motors except in the smaller sizes. However, modern, efficient V-belt drives permit the use of low-cost, quiet, high-speed motors with these fans, thus insuring low initial cost, without sacrificing slow operating speeds.

Quiet Operation — Because of the slow speed characteristic, these fans, when properly selected and installed, offer the ultimate in quiet operation.

Efficiency — Type HV Fans are designed for high efficiency in the range of performances required on modern ventilating and air conditioning systems.

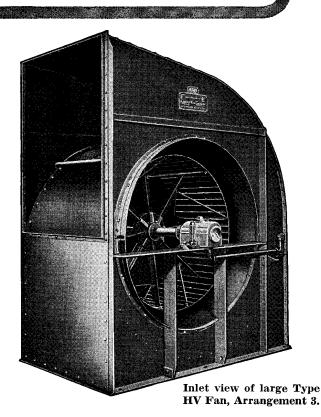
CONSTRUCTION

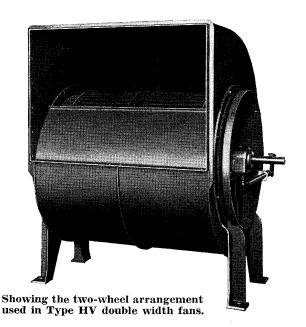
Wheels — The Type HV wheel consists of a large number of shallow steel blades securely riveted to side rims and/or backplate. Wheels in sizes 1% and smaller are of the backplate type with a cast iron hub securely riveted to the heavy gauge backplate. The larger sizes are of the central spider type. The wheel spider, consisting of steel T-arms in a heavy cast iron hub, is cast in an accurately machined metal flask which locates the arms equidistant and in a true plane.

The wheel rims are extra heavy to insure rigid support to the blades, and, in sizes 3¼ and larger, the wheels are braced by diagonal rods running from spider to rim. This bracing handles all shock and inertia loads safely. Every wheel is carefully balanced both statically and dynamically, assuring freedom from vibration.

Housings (Sizes ½ through 3) — The two smallest sizes of Type HV Fans are furnished with cast iron housings. All other of these smaller size fans are regularly furnished with steel housings, although cast iron housings are available in certain of the smaller sizes to meet special requirements.

Steel housings feature an air-tight, lock seam joint between the sides and scroll sheet. Where building openings will not permit entrance of a one-piece housing, fans can be constructed with the scroll sheet bolted to the sides for a slight additional charge so that the housing can be knocked down.





All Type HV Fans in these smaller sizes have heavy cast iron sideplates, which support the housing and bearings, and which are attached to the fan housing with eight equally spaced tap bolts. This construction permits simple in-field adjustment of the housing to any of the eight standard discharges. In addition, the central spider type wheel, which is standard on sizes 1½ and larger, is completely symmetrical and can be used for either rotation.

Housings (Sizes 31/4 through 9) — Larger size Type HV Fans have heavy gauge all steel housings which are rigidly braced with angles. Bearing supports, as well as the side sheets, extend to base angles at the floor.

The scroll sheet is bolted to the side sheets, permitting knocked down shipment if required; and, on the largest sizes, side sheets are split to facilitate handling.

Although this type construction does not permit changes of discharge in the field, these larger fans can be built for any required discharge as ordered. Change of rotation is possible, however, since a completely symmetrical central spider type wheel is standard on these fans.

DOUBLE WIDTH FANS

As illustrated at the bottom of page 2, the rotating assembly for Type HV double width fans is composed of two single width wheels mounted on a single shaft. For double width applications, the central spider type wheels are provided with backplates to prevent the short circuiting of air between the two wheels. Because each wheel can be moved independently on the shaft, this arrangement simplifies the adjustment of wheels to inlets for proper clearance.

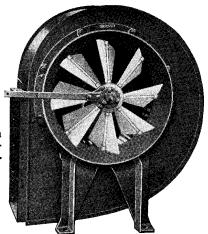
BEARINGS

Type HV Fans are regularly furnished with Clarage babbitted ring oiled sleeve bearings, except in Arrangement 2. This arrangement, as illustrated on the right, is furnished with ball bearings as standard, although sleeve bearings are available on certain smaller fan sizes. Any Type HV Fan can be equipped with ball bearings if required and specified on order.

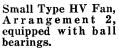
VORTEX CONTROL

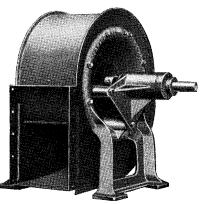
Any Type HV Fan can be furnished with Clarage Vortex Control, shown above right and on the front cover. This device, consisting of a number of adjustable blades

arranged in the fan inlet, should be used wherever it is necessary to change periodically or continually the volume of air delivered by the fan. It is a means of achieving any desirable capacity regulation — with the fan operating at constant speed — which has the low first cost of damper control, and at the same time the efficient performance of costly variable speed control. See Clarage Bulletin 122-A for full details.



Small Type HV Fan equipped with Clarage Vortex Control.

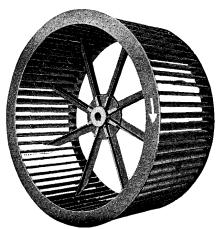




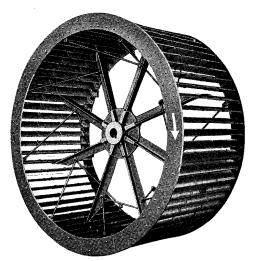
TYPE HV Wheels



Backplate type wheel used in Type HV Faus, sizes $\frac{1}{2}$ through $1\frac{3}{8}$.



Spider type wheel used in Type HV Fans, sizes $1\frac{1}{2}$ through 3.



Spider type wheel with brace rods for Type HV Fans, sizes 31/4 through 9.

GENERAL DATA FOR TYPE HV FANS

SINGLE WIDTH FANS—N.A.F.M. Arrangements 3, 2 and 1

Size	Size	Outside			ensions i			W	heel	Std. 1	Pulley		Bearin Size	E.	i	Weigh n Poun		Size
of Fan	of Outlet	Diam. of Inlet	Height	Length	A rr. 3	Width Arr. 2	Arr.	Diam.	Width	Diam.	Width	Arr.	Arr. 2	Arr.	. Arr. 3	Arr. 2	Arr.	of Fan
1/ ₂ 5/ ₈ 3/ ₄	6 diam. 7½ diam. 7½ x 9¾	6½ 8⅓ 9¾	14 1/8 17 1/6 21	12 1/8 14 1/6 17		19¼ 20¼ 22¾	231/2	6½ 8⅓ 9¾	3 3¾ 4½	3 4 5	3 3 3		3/4 3/4 3/4	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		55 70 80	60 95 130	1/2 5/8 3/4
7/8 1 11/8	8¾ x f1 % 10 x 13 11¼ x 14%	11 3/8 13 14 7/8	24 % 27 ¾ 31 %	19 % 21 % 24 %		25 11 26 5/8 28 16	27 % 28 32 ¾	11 % 13 14 %	6 6 7½	5 6 6	3 4 4		1 1 11/8	116 116 116		100 130 175	160 180 220	78 1 1 1/8
1 1/4 1 3/8 1 1/2	12% x 16% 13% x 17% 14% x 19%	$16\frac{1}{2}$ 18 $20\frac{1}{4}$	34% 37% 40%	26 % 29 31 %	31¾ 26¾	$30\frac{13}{16}$ 27 $26\frac{5}{16}$	34 % 39 % 36 ½	16¼ 17% 19½	7½ 8¼ 9	7 8 8	4 4 4	1 1 3 6 1 1 8 6	1 1/8 1 176 1 176	1 1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	200 295	200 235 260	285 335 390	1 1/4 1 1/8 1 1/2
1¾ 2 2¼	17¼ x 22½ 19¾ x 25% 22½ x 28¾	23¾ 27 30%	47 53% 59%	36% 41% 4518	30 33¾ 37½	30 18 34 36 37 %	42 45 50¾	22¾ 26 29¼	10½ 12 13½	10 14 16	4 5 5	1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	176 176 118	115 115 118	420 510 690	355 480 600	475 570 760	1 3/4 2 2 1/4
2½ 2¾ 3	24% x 32 27 x 35% 29% x 38%	34 37% 40%	66 72% 78%	5016 5516 6014	40½ 44½ 46½	39 1 8 45 1 8 46 1/2	53 ¾ 58 62 ¼	32½ 35¾ 39	15 18 18	18 20 22	5 6 6	118 118 118	1 1 1 5 1 1 1 5 1 1 1 5 1 1 1 5	1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	840 1120 1210	730 900 1075	950 1175 1400	2 ½ 2 ¾ 3
3 ½ 3 ½ 4	32 1/8 x 41 3/4 34 1/2 x 45 39 3/8 x 51 1/4	44 47½ 54½	7618 8118 9318	$63\frac{34}{68\frac{1}{2}}$ $78\frac{1}{16}$	57 % 59 ¾ 65 ½		70 72 77¾	42 ¼ 45 ½ 52	19½ 21 24	24 28 36	6 6 7	$2\frac{3}{16}$ $2\frac{3}{16}$ $2\frac{7}{16}$		218 218 218 216	1450 1700 2150		1600 1800 2200	3 1/4 3 1/2 4
4½ 5	44¼ x 57% 49% x 64	61 68	$104\frac{7}{16}$ $116\frac{5}{16}$	87 % 97 %	70½ 78		82½ 96¼	58½ 65	27 30	42 48	7 8	211 215		2 } 2 §	2620 3250		2875 3700	4 ½ 5
5½ 6 6½	54% x 70½ 59 x 76% 63% x 83%	75 81½ 88½	128 139 151 1/8	107 16 116 11 126 14	83½ 92½ 98¼		99½ 112¼ 119¼	71½ 78 84½	33 36 39	54 62 68	8 10 10	3 16 3 11 3 15 3 15		316 316 315	3960 4970 6400		4350 5000 6500	5½ 6 6½
7 7½ 8	68% x 89½ 73% x 95% 78½x102¼	95 102 109	162¼ 173¾ 184½	135¾ 145⅓ 154%	105 111½ 118¼		130 ¼ 136 ½ 148	91 97½ 104	42 45 48	74 80 86	12 12 14	318 476 476		415 415 415	6900 8800 10000		7400 9500 10600	7 7½ 8
8½ 9	83½x108¾ 88%x115	116 122	19711 20916	165 % 174 %	127¼ 134		166 180	$\frac{110\frac{1}{2}}{117}$	51¼ 54¼	92 98	16 18	4 1 2 4 1 2 4 1 2			$12000 \\ 14000$		12600 14800	8½ 9

DOUBLE WIDTH FANS—N.A.F.M. Arrangement 3

Size of	Size of	Outside Diam., of		nensions for leontal Discha		One 1	Wheel		dard Hey	Bearing Size	Weight in	Size of
Fan	Outlet	Inlet	Height	Length	Width	Diam.	Width	Diam.	Width	Size	Pounds	Fan
$1\frac{3}{8}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2	24% x 17% 26% x 194 31 x 22½ 35% x 25%	18 20¼ 23¾ 27	37 % 40 % 47 53 %	29 31 % 36 % 41 %	28 39 % 43 % 49 1/8	17 % 19 ½ 22 ¾ 26	$ \begin{array}{c} 8\frac{1}{4} \\ 9 \\ 10\frac{1}{2} \\ 12 \end{array} $	8 8 10 14	5 5 5 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	450 520 580 830	13/8 11/2 13/4 2
21/ ₄ 21/ ₂ 23/ ₄	39¾ x 28¾ 44½ x 32 48½ x 35½	30 % 34 37 %	59¾ 66 72%	45 18 50 18 55 18	54 % 60 % 66	29 ¼ 32 ½ 35 ¾	13½ 15 18	16 18 20	6 7 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1050 1300 1450	2 1/4 2 1/2 2 3/4
3 3½ 3½	52% x 38% 57½ x 41¾ 61% x 45	40 ¾ 44 47 ½	78% 76% 81%	60 ¼ 63 ¾ 68 ½	70% 83 88	39 42 ¼ 45 ½	18 19½ 21	22 24 28	8 8 8	115 216 216	1820 2160 2500	3 3¼ 3½
4 4½	70 5/8 x 51 1/4 79 3/8 x 57 5/8	54½ 61	$93\frac{5}{16}$ $104\frac{7}{16}$	78 16 87 18	99½ 109¼	52 58½	24 27	36 42	10 10	2 16 2 15	3150 3920	4 4 1/2
5 5½ 6	88% x 64 97 x 70½ 105% x 76%	68 75 81 ½	$116\frac{5}{16} \\ 128 \\ 139$	97 1/8 107 1/8 116 1/8	120	65 71½ 78	30 33 36	48 54 62	12 12 14	315 316 316 318	4600 6200 7740	5 5½ 6
6½ 7 7½	114% x 83% 123½ x 89½ 132% x 95%	88½ 95 102	151	126¼ 135¾ 145∱	154¼ 163½ 177%	84 ½ 91 97 ½	39 42 45	68 74 80	16 18 20	4_{16}^{7} 4_{16}^{7} 4_{16}^{15}	9400 11200 13000	6½ 7 7½
8 8½ 9	141 x102¼ 149%x108¾ 158%x115	109 116 122	184½ 19718 20936	154 % 165 % 174 %	189 202¾ 217¾	104 110½ 117	48 51 ¼ 54 ¼	86 92 98	22 24 26	5 1 6 5 1 6 6 1 6	17000 21000 26000	8 8½ 9

NOTE: All Dimensions given in both tables are in inches.

No. 1/2 Type HV Fan, Single Width, Single Inlet

	589 623 668	471 511 560	378 393 432	814 834 854	255 275 295	196 216 236	138 157 177	Per Min.	
	3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	900 900	ft. per Min.	Outlet Veloc
		1348	1062 1122 1235	909 953 1002	730 785 841	550 615 672	391 448 505	R.P.	0,, 0
		.07	23	 888	222	222	9	В.	or 0 S. P.
		1471	1215 1260 1375	1051 1102 1154	903 955 1000	763 808 856	652 685 720	R.P.	1/8" or .0
			0.00	 282	 282	222	 01 01	В. Н. Р.	s. P.
		1560 1665 1770	1300 1350 1452	1163 1210 1271	1031 1071 1118	925 956 990	878 880 897	R.P.	%" ог .1 Оzs. S.
		.09 .12	 .08	 828	 288	 2001	 2 <u>0.0</u> 2	В. Н. Р.	.P.45
	1942	1640 1735 1840	1395 1440 1535	1260 1305 1350	1157 1190 1222	1080 1100 1125	1110 1083 1071	M.P.	%" or . Ozs. S.
_	.19	.11 .13	.06 .07	2 2.05	882	 2222	 222	В. н. Р.	217 P.
2	2000 2110	1720 1810 1910	1480 1522 1615	1370 1400 1440	1278 1305 1335	1240 1240 125 0	1253	R.P.	½‴ o Ozs.
2 /	.20	.12 .14 .17	.07 .08		822	 2000 2000	ន្ល: :	В. н. Р.	s. P.
7	2075 2170 2270	1780 1870 1970	1568 1608 1688	1470 1500 1532	1392 1412 1440	1410 1390 1380		R.P.	<i>0</i> %′′′′′′′′′′′′′′′′′′′′′′′′′′′′′′′′′′′′
HV		.13 .16	.08 .09	.06 .07	.04	 222	\vdots \vdots	В. Н. Р.	r.361 S. P.
Fan	2125 2210 2310	1845 1935 2030	1660 1670 1765	1570 1592 1621	1518 1525 1542	1545 1520		R.P.	3/4" o Ozs.
- 1	.27 27	.14 .17 .20	.09 .10	.06 .07	.05	.04		в.	or .434
Single	2180 2280 2375	1930 1990 2085	1740 1775 1840	1658 1682 1710	1640 1638 1630	: : :		R.P.	0%,
- 1	 225 230 250	.15 .16 .21	.10 .11 .13	.09 .08	 26 65	:::		В.	or .506
W:J.h	2235 2325 2435	1975 2065 2150	1815 1845 1920	1750 1765 1790	1775 1750 1745			R.P.	1" o Ozs.
Sinale		.16 .19 .23	.11 .12	.08 .09	 . 07 07	:::		в.	r .578 S. P.
	2325 2420 2540	2100 2185 2260	1975 2005 2060	1955 1960 1965	1970	: : :		M.P.	1¼"'or.'. Ozs. S.
Inlet	.888	.19 .22	.12 .13 .16	.10 .11	. :			В. Н. Р.	or.723 S. P.
	2445 2530 2620	2255 2315 2380	2142 2160 2200	2150 2140		: : :		R.P.	025
	.32 .41	224	.15 .16	.13 .14	:::			В. Н. Р.	or.867
	2560 2635 2715	2385 2440 2490	2320 2320 2340	2335	: ; :	:::		X.P.	13/1" Ozs.
	.34	.28 .26	.17 .18 .20	.16	:::			В.	1¾"or1.01 Ozs. S. P.
	2665 2740 2800	2510 2550 2610	2500 2480 2480	:::	: : :		::::	K.P.	2" o Ozs
	.427	.33	.19 .20	:::	:::			в.	r 1.16 S. P.
	2875 2940 3000	2780 2795 2820	2815 2780	:::			<u> </u>	¤.P.	21,5" Ozs
	.538	.34.91	.26	:::		:::		н. В. Р.	or 1.4
	3085 3135 3180	3040 3030 3042				<u> </u>		ĭ.₩ Z.₩	2" or 1.16 2½" or 1.45 3" or Ozs. S. P. Ozs. S. P. Ozs. S.
	0.54 .54	0 .37 2 .45	:::	:::				H.B.	or 1.73 . S. P.
					· · ·	· · · ·		<u> </u>	

No. 38 Type HV Fan, Single Width, Single Inlet

920 982 1043	736 798 859	583 614 675	491 522 552	399 430 460	307 387 368	215 245 276	Feet per Min.	Cubic
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	700 800 900	Veloc. ft. per Min.	Outlet
	1125	850 898 986	717 761 805	584 628 673	440 492 538	313 359 405	R.P.	0" Ozs.
	: : ±	 865	223	 282	<u>.</u>	.	в.	or 0 S. P.
: : :	1180	972 1010 1090	841 881 924	722 764 801	610 647 685	545 575	R.P. M.	%"。 Ozs.
	.14	.07 .08	.054	 2002 24	 2221	.	В.	or .073
	1250 1330 1420	1040 1080 1160	930 970 1020	825 857 894	740 765 791	702 703 717	R.P.	Ö,
	.15 .19 .23	.08 .10	.05 .07	23	 222	 22.01	в. н. р.	or .145
1555 	1310 1390 1470	1118 1155 1230	1009 1045 1080	925 980	862 877 900	890 867 858	R.P. M.	°%′,
.30	.17 .21 .25	.10 .11 .14	.07 .08 .09	.05	.03 04	 888	В.	or .217
1620 	1390 1465 1545	1200 1230 1305	1105 1132 1161	1031 1055 1080	980 980 1012	1020	R.P.	5%
.32	.19 .23 .27	.11 .13	.08 .09	.05 .06	.04 04	.03	В.	or .289
1675 1751	1440 1515 1592	1268 1300 1363	1190 1211 1240	1126 1142 1162	1140 1120 1119	:::	R.P.	0%
.35	.21 .25 .29	.13 .14 .17	.09 .10	.07 .08	.05		В.	361 S. P.
1710 1770 1800	1480 1545 1620	1325 1338 1411	1252 1272 1300	1211 1218 1232	1234 1215	: : :	R.P.	24%
.37 .43 .49	.27	.14 .15 .18	.110 .113	 	.06		В.	or .434 s. S. P.
1745 1830 1900	1540 1595 1670	1390 1420 1470	1325 1345 1368	1312 1310 1302		: : :	M.P.	Š≈,́
.39 .46 .52		.15 .17	.11 .13	.10			В.	or .506
1787 1862 1948	1579 1644 1720	1450 1477 1532	1400 1410 1429	1420 1400 1398			M.P.	1″°o Ozs
.42 .55	.326 .351	.17 .18 .22	.13 .14	.110 .112			в.	r.578 S. P.
1860 1935 2035	1682 1750 1805	1580 1604 1645	1563 1562 1570	1575	:::		R.P.	1¼"or.
.46 .52	.29 .34 .40	.20 .21	.16 .17	.15			В.	or.723 S. P.
1960 2020 2090	1800 1850 1900	1714 1725 1761	1720 1712	: : :	:::		R.P.	1½' 0zs
.50 .57	. 35 . 44	.23 285	.20				В.	or.867
2042 2105 2170	1910 1950 1990	1850 1850 1870	1860		:::	:::	R.P.	13// 0zs.
	.36 .42	.27 .28 .32	.25				в. н. р. г	or1.01 S. P.
2135 2190 2240	2005 2040 2085	2000 1980 1980			<u> </u>		.≤ig	028
.58 .74	.46 .46	.30 .32					в.	or 1.16
2300 2355 2400	2220 2235 2265	2250 2220				<u> </u>	Z.P	2½' 0zs
.67	.60	.40	:::				В.	or 1.4 S. P.
2470 2500 2540	2435 2425 2437	:::			· · · · ·		, R.P.	5 3",
.93 .93	. 64 . 67						н. в.	1¾"or1.01 2" or 1.16 2½"or1.45 3" or 1.73 Ozs. S. P. Ozs. S. P. Ozs. S. P.
			<u>.</u>	• • • •	• • • •		1.0	,

NOTE—The black faced type indicates the most efficient point of operation for each pressure. Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. Wheel Diameter—No. 1/2—61/2". No. 3/8—81/8". Wheel Circumference—No. 1/2—1.70 ft. No. 3/8—2.13 feet.

No. ¾ Type HV Fan, Single Width, Single Inlet

	1457 1554 1651	1165 1262 1359	922 971 1068	777 825 874	631 680 728	486 534 583	340 388 437	Min.	Cubic Feet
	3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	700 900	ft. per Min.	Outlet Veloc.
		930	734 784 850	619 656 695	502 541 580	386 425 436	270 308 347	R.P.	Ozs.
		: : 23	.12 .14 .18	.07 .08	.04 .05	 . 02 . 03	.01 .01	В.	or 0
		23 1010	813 847 927	712 745 779	614 646 679	524 554 584	436 465 494	Z.P.	1/8" o Ozs.
		27	.14 .16 .21	.09 .11	.07	.03	.02 .03	В.	or .073 s. S. P.
	: : :	1050 1118 1188	887 920 985	793 823 855	706 735 764	622 650 678	562 575 595	M.P.	74" c 025.
		.37 .45	.17 .19 .24	.12	.07 .10	.04		В.	%" or .145 Ozs. S. P.
	1316	1108 1176 1246	955 985 1044	868 897 926	781 810 839	707 724 754	684 687	R.P.	ಶಿಷ್ಟ
	.58	. 34 . 41 . 49	.28	.14 .16	.09 .11	.06 .07	.04 .04	В.	S. P.
χ	1356 1423	.34 1161 .41 1225 .49 1290	1017 1048 1103	930 959 988	849 874 902	796 806 825	789 792	R.P.	22.
7.	73		.23 .25	.16 .18 .20	.11	.07 .08	.06	В.	%" or .289 Ozs. S. P.
74 Tube HV Em	1402 1469 1538	1215 1273 1336	1072 1101 1157	987 1015 1043	914 935 960	884 890 899	882	R.P.	%" or .361 Ozs. S. P.
שע		.41 .49	.25	.18 .23	.12 .14 .16	.09 .11	.08	В. Н. Р.	or .361 S. P.
£)	1442 1505 1571	1265 1323 1382	1123 1152 1208	1042 1068 1095	982 996 1018	965 967 973	: : :	R.P.	%" or .434 Ozs. S. P.
	.73 .96	.52	.28 .37	25.22		.12		В. н. Р.	or .434 S. P.
1	1484 1550 1 6 18	1312 1369 1426	1168 1200 1255	1096 1118 1140	.14 40 52 .16 1060 .18 1073	1047		R.P.	0zs
Simala Wilde	1.03 1.03	.48 .66	30 40	.22 27	. 18 . 20	.15		В. Н. Р.	%" or .506 Ozs. S. P.
111	1527 1585 1645	1356 1413 1470	1215 1243 1299	1150 1169 1190	1118 1124 1134	1115		R.P.	1", o Ozs
i.	.81 .93 1.08	.60 .69		.26	. 20 . 20 . 22	.17		В.	1", or .578 Ozs. S. P.
Simula I-I-	.81 1608 .93 1668 .08 1730	.51 1434 .60 1490 .69 1549	1306 1328 1380	1259 1271 1286	1246 1251			R.P.	1¼"or.723 Ozs. S. P.
1.1	1.02 1.17	.57 .77	.37 .40	.31 34	.25			В.	or.723 S. P.
	1676 1735 1795	1507 1561 1618	1398 1415 1455	1369 1376 1386		: : :		R.P.	11/2". Ozs.
	.98 1.12 1.25		.42 .45					В.	11/4"or.867 Ozs. S. P.
	1745 1805 1866	1581 1631 1687	1494 1504 1537	1478 1486		:::		R.P.	
	1.06 1.20 1.35	.68 .79 .92	.48 .51	42	<u> </u>	<u>: :</u> :		в. н. Р.	or1.01 S. P.
	1.06 1804 1.20 1862 1.35 1921	.68 1650 .79 1698 .92 1748	.48 1584 .51 1591 .59 1617	.42 .45 1580	:::	: : :	:::	R.P.	2" oi Ozs.
	1.13 1.29 1.45	.74 .85		.51	<u> </u>			B. R.P. B. R.P. H. P. M. H. P. M.	1.16 S. P.
	1.13 1921 1.29 1976 1.45 2033	1800 1831 1871	1767 1770 1779		:::	:::		R.P.	21/3"(Ozs.
	1.26 2035 1.44 2084 1.62 2135	.88 1946 1.00 1969 1.12 1995	.67 .71		<u> </u>	<u> </u>		B. R.P.	3r1.45 S. P.
	2035 2084 2135	1946 1969 1995	1936	:::		::::		R.P.	%"or1.01 2" or 1.16, 2%"or 1.45 3" or 1.73 Ozs. S. P. Ozs. S. P. Ozs. S. P. Ozs. S. P.
	1.42 1.59 1.77	1.03 1.14 1.27	.9.		<u> </u>			В.	1.73 S. P.
-							_		

No. 18 Type HV Fan, Single Width, Single Inlet

Oublet Ome S. P.	19	155	155	===	50 to 00	220	00.00	ZΗ	2g
O' or 0 Obs. S. P. W' or 0.773 Obs. S. P. V'' or 0.211 Obs. S. P. Obs. S. P. Obs. S. P. Obs. S. P. Obs. S. P. Obs. S. P.			1256 1324 1456	1058 1124 1190	9860 993	728 794	555 555 555		
Correction	3400 3400	22400 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	983 888	Min.	Outlet Veloc.
P.		740	585 616 678	523 554	400 430	307 338 369	215 245 276		0"
R. P. Oza, S. P. Oza,		.29	.14 .17 .23	.109 .12	988	 282	<u>.</u>	H. P.	190
P. Ozz. S.		801	653 740	574 600 626	496 522 548	422 445 470	360 380 400	R.P.	0.2%
Kar. S. P. Ozz. S.		.34	.21 .27	.12	.07	.05		B. F.	₹3
R. 1.45 \$\frac{6}{3}\tilde{6}\tilde{6}\tilde{7}\tilde{7}\tilde{7}\tilde{7}\tilde{7}\tilde{7}\tilde{8}\tilde{7}\tilde{7}\tilde{7}\tilde{8}\tilde{7}\tilde{7}\tilde{8}\tilde{7}\tilde{7}\tilde{7}\tilde{8}\tilde{7}\tilde{8}\tilde{8}\tilde{7}\tilde{8}\tilde{7}\tilde{8}\tilde{7}\tilde{8}\tilde{8}\tilde{7}\tilde{8}\tilde{8}\tilde{8}\tilde{7}\tilde{8}\tilde	::: 8	955 955	717 743 795	640 665 691	573 595 617	511 531 552	473 478 491		240
5% or 2.217 ½" or 2.89 5%" or 3.61 ¾" or 3.64 ¾" or 5.06 1" or 5.78 1¼" or 7.72 1½" or 8.67 ½" or 1.16 2½" or 1.16 <t< td=""><td></td><td></td><td></td><td>.14</td><td>.11</td><td></td><td></td><td></td><td></td></t<>				.14	.11				
S.P. Ozz. S.P. O								X.₹	<i>‰</i> ″
Com. S. P. Com	::				EEE			H. B.	ו דיסיו
R. P. Ozz. S.	1094							R.P	ÖZ
Ky or. 361 X'' or. 434 X'' or. 506 1 'or. 578 1 X'' or. 723 1 X'' or. 867 1 X'' or. 116 2 X' FR.P. B. R.P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. </td <td>:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>:</td> <td></td> <td>or 28</td>	:						:		or 28
S. P. Ozz.	11132 31185 1238								5%
A;" or .434 X;" or .506 1"or .578 1¼"or .723 1¼"or .887 1½"or .887 02z. S. P. O2z. S							<u>.</u>	H.B.	or .36
N. P. 134 75" or .506 1" or .578 114" or .723 114" or .867 134" or 1.01 2" or 1.16 234 S. P. 1024	5 1167 5 1220 5 1273	11023					::::		کیری
K. P. Ozz. S. P. M	μμ.								ו דימז
B. P. Oca. S. P.	0 120 5 125 2 130	51106	=					R.I	8%
1"or .578 1 ½"or .723 1 ½"or .887 1 ½"or 1.01 2"or 1.16 2 ½"or .8. P. Ozz. S.						::			เก็
F. 578 114/"or.723 114/"or.867 134/"or1.01 2" or1.16 234/ S. P. Oza. S.	5 123 9 128 7 133							P. R.I	
1,4" or .723 1,4" or .867 1,4" or 1.01 2" or 1.16 2,4" Ozz. S. P. Ozz. S. Ozz. S. P. Ozz. S. Ozz. S. Ozz. S. P. Ozz. S.						::			or .57
O. 723 114" Or. 867 134" Or1.01 2" Or1.16 234" O. 8. P. Oza. S. P. Oza. S. P. Oza. B. R.P. B. R.P. B. R.P. B. R.P. M. H. P. M. H. P. M. H. P. M. H. P. M. H. P. M. 335	5 134 2 139	2117 121 121	0 107 4 109 3 113	630 106 106		83 :			
N. H. P. M. H. P. M. H. P. M. 1162 47 1250 56 137 1346 137 148 1 1.21 1524 1 1.76 1662 1					:		<u> </u>	ĦĦ	S. 7
O. 887 124" or 1.01 2" or 1.16 234 S. P. Ozz, S. P. Oz	11 136 27 146 15 144		506116	37 110 42 110	<u> </u>	<u>: : : : : : : : : : : : : : : : : : : </u>	: : : : : :		P. 23 11
134"or1.01 2"or1.16 234" Ozz. S. P. Ozz. S. P. Ozz. R.P. B. R.P. B. R.P. M. H. P. M. H. P. M. H. P. M. 1256 .56 .58 1350 .68 .70 1520 .2758 .64 1344 .70 1520 .2758 .64 1346 .81 1439 .2758 .81 1346 .81 159 159 159 159 159 159 159 159 159 15					<u> </u>	<u> </u>			S. 70
S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. B. R.P B. R.P M. H. P. M. 1. P. M. H. P. M. 56 1350 68 1350 70 1520 64 1343 77 1520 78 1346 1 105 1520 1 13 1438 1 121 1545 1 157 1552 1 57 1652 1 157 1552 1 57 1652 1 157 1552 1 57 1652 1 157 1552 1 57 1652 1 157 1552 1 57 1652 1 157 1553 1 1545 1 176 1662	20 143 37 146 56 156	13	12	122:		<u>; ; ; </u>	:::	.Α. .Δ.	P 67
P. Ozz. S. P. M. H.	748	<u> </u>	282	:	<u>: : : : : : : : : : : : : : : : : : : </u>	<u>: : : : </u>	: : : : : :	H.	or S.
"Or 1.16 2½" or 1.45 3" or 1.73 Das. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. B. R.P. B. R.P. B. R. P. J. J. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P. Ozz. S. P	29 14 47 15 67 15	199113	73 13 13	56: E::	<u>: : :</u> : : : :	<u>: : : : : : : : : : : : : : : : : : : </u>		. y.	. P.O.
P. C23, O. 1.45 3, O. 1.73 P. C23, S. P. M. H. P.	8822	4-4		<u> </u>	<u>: : : : : : : : : : : : : : : : : : : </u>	<u>: : :</u>	<u>: : : </u> : : :	F.F.	or 1
%"O.1.45 9" o.1.78 % S. P. O.2. S. P. M. H. P.	.3911	26.8	.70 1111	6 : :		:::	<u>::::</u>	B	. 45.
B. R.P. B. L. P. M. H. P. 94 91 91 101641 1.33 231646 1.43 381660 1.57 781716 1.96 991757 2.19	583 1 162 1	204	1990 1990	<u>: : :</u> : : :	<u>: : : : : : : : : : : : : : : : : : : </u>	<u>: ; ; </u>		K.F.	So, So,
9" or 1.73 One. S. P. M. H. P. M. H. P. 6653 1 24 646 1 1 33 6660 1 575 757 2 19		222	94 94 1		<u> </u>	<u> </u>		. B	1.45
1975 578 122 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	683 716	646 1	653	<u>: : :</u>	<u>: </u>			K.P.	3″, or
	1.75 1.95 2.19	1.23 1.23 1.23	1.24	<u> </u>	<u>: : : </u>	<u>: : : </u>		ř. B.	1.78 S. P.

NOTE—The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter—No. 3/4—93/4". No. 7/8—113/8". Wheel Circumference—No. 3/4—2.55 ft. No. 7/8—2.98 ft.

No. 1 Type HV Fan, Single Width, Single Inlet

					 		ı	
2589 2760 2932	2070 2244 2416	1638 1726 1898	1380 1466 1552	1122 1208 1294	863 949 1035	604 690 776	Per Min.	
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	900 900	ft. per Min.	Outlet Veloc.
	695	553 590 635	456 487 519	365 395 425	285 315 335	203 228 255	M. I	0" or Ozs. S.
: : :	4	.23 .32	.12 .14	.06 .10	.03 .04	.021 .0	B. 1	P.
	754	610 636 694	535 559 584	460 485 510	391 413 436	327 348 370	R.P.	1/8" or .0 Ozs. S.
	4	.25 .29 .37	.16 .19 .22	.10 .12 .14	.06 .07 .08	.04 054	В. Б	P. 273
	786 840 895	677 705 739	600 625 651	531 554 577	466 487 509	421 431 446	R.P. M. H	0zs. S
:::::::::::::::::::::::::::::::::::::::	7855	4.32 4.34 2.43 2.43	.284	.14	.108	2.08	B. R	or .145 %
980 1	833 882 931	715 737 785	650 671 693	587 608 629	531 545 566	513 515 520	R.P. 1	%" or .: Ozs. S.
1.03 10	.88 .72 .88	.5.4.3 8.7.7	3285	.2296	1120	.007 .08	B. R H. P. N	P.
1020 1 1070 1	870 920 970	762 785 825	697 718 740	637 655 676	597 606 620	591 593	R.P. H.	%" or Ozs. S.
1.10 10 1.31 11 11	.67 9 .80 9 .94 10	.4.0 .5.5.0 88	.328 7 .36	.19 .22 7	.113 6 .17 6	110:	B. R.	P.89
1050 1100 1150 1	909 952 000 1	804 826 869	740 760 782	686 701 720	663 676	661	R.P. B. M. H. P.	%" or .361 Ozs. S. P.
$\begin{array}{c} 1.20 \\ 1.39 \\ 1.61 \\ 1.61 \end{array}$.73 9 .87 9 1.03 10	.50 8 .60 9	.36 .40 8	.255 7	.16 7 .18 7	14	8. R.P P. M.	361 % P. 0
1081 1 1130 1 1180 1	948 991 1035 1	842 865 906	782 801 821	736 748 763	724 726 731	: : :	P. B. 1. H. P.	%" or .4 Ozs. S.
1.29 11 1.49 11 1.71 12	.78 9 .93 10 1.10 10	.49 .55 9	.355 .44 88 88	.25 .28 .31 8	.19 .21 .23 7	:::	8. R.P P. M.	.434 % S. P. O
1120 1 1164 1 1208 1	983 1032 1076 1	878 900 944	821 837 856	796 806	785	:::	P. B. f. H. P.	%" or .! Ozs. S.
1.37 1146 1.58 1189 1.82 1237	.95 1017 $.99 1060$ $1.17 1103$.53 9.72 9.72	.439 8.88 8.88	22 22 25 22 25 25 25 25 25	27:	:::	P. R.P	.506 1'
46 1.43 89 1.65 37 1.91	1 4 14	911 933 975	862 876 891	838 844 851	836 :		P. B.	1" or .578 Ozs. S. P.
43 1203 65 1246 91 1290	.91 1076 .07 1117 .23 1160	.57 980 .63 996 .76 1035	.43 944 47 955 52 966	.33 .38 .39 .35 .39 .35	<u>86: :</u>	:::	P. R.P	78 11/4 P. 07
211				- : : ·			Р. В. Н. Р.	1¼"or.723 Ozs. 3. P.
.58 1258 .81 1303 .07 1348	.02 1132 .20 1173 .38 1215	.66 1050 .72 1061 .85 1091	.52 1027 .56 1031 .61 1039	4.4	<u>:::</u> ::::	<u>: : : </u> : : :	P.R.P	23 1½" Ozs.
25 11 11	1.11 3 1.30 1.52	· · · · · · · · · · · · · · · · · · ·					Н. В.	"or.867 s. S. P.
.74 1310 .98 1360 2.22 1410	11 1185 30 1220 52 1265	.75 1120 .81 1128 .95 1151	.61 .65 1110 .70 1115	:::	<u> </u>		R.P.	
			•	: : : :	:::		н. в.	"or1.0
8 1352 3 1396 0 1442	1.22 1240 1.41 1271 1.64 1310	.86 1185 .91 1192 1.05 1211	.75 .80 1183		: : :		R.P.	1 2" (Ozs
1.88 1352 2.01 1444 2.13 1396 2.30 1480 2.40 1442 2.58 1525	1.75		1 1				В.	or 1.16 S. P.
1 1444 0 1480 3 1525	1.32 1350 1.52 1378 1.73 1410	.97 1325 1.02 1328 1.16 1331	91				R.P.	2½" 0zs.
2.24 2.88	1.56 1.77 1.99	1.20 1.27 1.39					B. R.P. B. R.P. B. R.P. B.	34"or1.01 2" or 1.16 2½"or1.45 3" or 1.73 Ozs. S. P. Ozs. S. P. Ozs. S. P. Ozs. S. P.
2.24 1525 2.56 1565 2.88 1600	1.56 1455 1.77 1475 1.99 1495	1452					R.P.	3″ o
2.51 2.82 3.14	1.83 2.02 2.26	1452 1.67					В.	r 1.73 S. P.

No. 11/8 Type HV Fan, Single Width, Single Inlet

3294 3516 3736	2634 2854 3076	2086 2196 2416	1758 1868 1976	1427 1538 1648	1098 1208 1317	769 879 988		
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	700 800 900	- 4	Outlet Veloc.
	573	453 477 525	382 406 429	310 334 358	239 263 286	167 191 215	¤.r.	0″ o
	.49	.28	.14 .17 .21	.08 .10	2.28	.02 .03	В.	S.P.
	623	507 529 576	445 465 486	385 405 425	328 346 365	279 295 311	¤.p.	1%" o Ozs.
		.30 .34	.19 .22	.12 .14 .17	.07	.04 .05	В. Н. Р.	or .073 s. S. P.
: : :	657 698 743	557 577 617	497 517 537	443 460 478	394 410 426	368 376 384	R.P.	0,2%
	.61 .78	.36 .41		.16 .21	.09 .11		В.	or .145 s. S. P.
819	696 737 778				456 467 482		M.P.	0%
1.23	1.087	.41 .46 .57	6,33	2222	.12 .14	.09 .10	В.	or .217
849	729 7769 809				525 531		R.P.	02/
1.34		. 47 . 52				111	н. в.	s. P.
982 962	763 802 842			592 601 614		595	¤.P.	0z, %,
1.41 1.66 1.93		.51 .57	.41	2,2,2			В. Н. Р.	or .361 s. S. P.
		713 729 762	7 667 682 697		650 1 642 8 637		R.P.	% <u>Q</u>
1.49 1.74 2.02		.56 .62			.24		В.	or .434 s. S. P.
932 971 1010			701 715 730		691	: : :	ĭ.R M.P.	02 ² / ₂
1.57 1.81 2.10	1.16 1.35		.50	.4.33			В.	or .506 s. S. P.
958 995 1033	857 889 922	778 793 825	743 751 763		746	: : :	R.P.	079.
1.66 1.91 2.20	1.04 1.23 1.44	. 66 . 88	.54	.40 .43	.38		В. Н. Р.	s. P.
1010 1045 1080	913 944 976	839 851 882		•		: : :	R.P.	023
1.84 2.11 2.40	1.17 1.36 1.58	.76 .82	.61 .70	.55			В. Н. Р.	or.723
11059 11091 1123	7 964 995 1027	906 914 935	906 903 904	: : :			R.P	1½'' 0zs
1.99 2.28 2.59	1.29 1.50 1.73	1.09	.75 .82				В.	or.867
9 1107 8 1139 9 1171	1012 1043 1075	974 977 990	980 976		:::		R.P.	7 13%'' 028
2.14 2.48 2.77	1.40 1.65 1.88		:				В. Н. Р	or 1.0
11149 1181 1214	$\begin{array}{c} 1.40 \ 1061 \\ 1.65 \ 1087 \\ 1.88 \ 1117 \end{array}$	1044 1041 1046	1048		:::		R.P.	l 2" c Ozs
2.141149 2.311230 2.591308 2.431181 2.611260 2.941332 2.771214 2.931292 3.311363	1.53 1.75 2.02	1.27	.93 .96 1048 1.12	: : :			B. R.P. B. R.P. B. R.P. H. P. M.	» 1.16 . S. P.
1230 1260 1292	1169 1180 1200	1179 1171 1163		:::			R.P.	21/2/2 0 zs.
2.55 3.31	1.53 1169 1.82 1276 1.75 1180 2.04 1279 2.02 1200 2.29 1290	1.51 1.57					В.	or 1.4! S. P.
1308 11332 1363	1276 1279 1290	1283	:::				R.P.	5 3" c
2.90 3.24 3.64	2.37 2.62	1.01 1044 1.17 1179 1.51 1.07 1041 1.22 1171 1.57 1.21 1046 1.35 1163 1.68 1283 2.06					В.	1¾"or1.01 2" or 1.16 2½"or1.45 3" or 1.73 Ozs. S. P. Ozs. S. P. Ozs. S. P. Ozs. S. P.
						-		

NOTE—The black faced type indicates the most efficient point of operation for each pressure. Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. Wheel Diameter—No. 1—13". No. 11/8—145/8". Wheel Circumference—No. 1—3.41 ft. No. 11/8—3.83 ft.

Capacities of Clarage Type HV Fans No. 11/4 Type HV Fan, Single Width, Single Inlet

	4032 4300 4570	3226 3496 3764	2554 2688 2958	2150 2285 2420	1748 1882 2016	1344 1479 1613	941 1075 1210	Per Min.	Cubic
	3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	900 900	ft. per Min.	Outlet Veloc.
		557	441 464 510	372 395 418	290 348	255 262	162 185 208	R.P.	Ozs.
		63	.31 .49	.19 .22	.10 .18			В.	S. P.
	: : :	609	509 559	427 447 467	369 388 407	314 331 350	268 280 297	¤.P.	0zs. S
		.75	. 45 . 58		.16 .18 .20		.06 .07	B. H. P.	.073
	:::	630 671 712	532 552 591	476 493 512	425 442 459	373 390 407	338 345 356	R.P.	½" oi
		1.02 1.24		.34 427	.2 2. 2	.12	.07 .08	В. Н. Р.	or .145 s. S. P.
	785	705 745	575 593 627	521 539 557	470 487 504	425 436 458	410 412 41 5	R.P.	%" or Ozs. S
N_o .	1.61	1.13 1.37	.55 .77	.439 .439	.25 .29	.16 .18	. 10 . 12	В. Н. Р.	.217 . P.
. 13%	815 855	701 737 775	611 629 665	575 575 593	510 525 541	477 485 495	473 475	M.P.	1/2" or .2 Ozs. S.
8 Type	1.70 2.04	1.04 1.25 1.48	.876 86	. 56 56	.329 .34	2828	.16	В. Н. Р.	P.89
pe l	840 880 921	729 765 801	644 669 694	592 609 626	548 561 576	531 534 538	528	R.P.	%" or Ozs. S
HV	1.88 2.16 2.50	1.14 1.36 1.61	.70 .77 .93	.50 .58		.25 .27	22	В. Р.	or .361 s. S. P.
Fan,	865 903 943	758 793 829	674 691 724	625 641 657	589 598 610	578 580 584		R.P.	%" or . Ozs. S.
, Single	2.01 2.34 2.66	1.22 1.45 1.72	.77 .85 1.02	.65 .69	.39 .44 .49	. 32 36	:::	В. н. Р.	.434 P.
gle I	9889 965	787 821 855	702 753	657 670 684	631 636 644	627	::::	R.P. M. H	%" or . Ozs. S.
Width,	2.13 2.46 2.84	1.33 1.55 1.82	.83 1.11	.61 .67 .75	.45 .55	<u> </u>	: : :	В. 1	.506 . P.
h, S	917 952 987	813 847 882	729 745 779	713	671 674 680	669		R.P.	1" or . Ozs. S
Single	2.58 2.58 2.97	1.65	1.98	.67 .73	61 551	47		В. н	r .578 1 .S. P.
? Inlet	965 1000 1036	9860	782 797 826	754 762 770	748 750	:::		R.P.	1¼"'or.7 Ozs. S.
et	2.46 2.81 3.22	1.58 1.86 2.14	1.02 1.12 1.33	.9.86 9.86	.69 74	<u> </u>		В. Н	P.23
	1000 1040 1080	9895	839 848 870	825 825		:::		R.P.	1½"or.867 Ozs. S. P.
	2.701 3.071 3.461	1.73 2.03 2.361	.18 .48	1.024				В. В	
	078 112 3	948 980 2	897 902 1	888	<u> </u>	<u> </u>		R.P.	34"or1.01 Ozs. S. P.
	2.94 3.32 3.75	1.89 2.19 2.55	1.33 1.42	1.17	:::	:::	:::	B. R	P. 2
	1082 1115 1150 1150	991 2 1018 2 1050 2	951 955 1 970	948 1				R.P.	2" or 1.16 Ozs. S. P.
	3.12 3.58 4.02 1	2.06 2.70	1.52 1058 1.60 1060 1.81 1065	1.42	:::	<u>;;;</u>	: : :	в. в	P. 0
	1152 1184 1220 4	1078 2 1098 2 1120 3	058 060 1		<u> </u>	:::		R.P.]	2½"or1.45 Ozs. S. P.
	3.50 12 3.98 12 4.48 12	2.44 2.76 3.10 11	1.87 1.98 2.16	<u>:::</u>	<u>:::</u>	<u>:::</u>	<u>: : : </u>	B. R.	P. 3
	1220 3 1250 4 1280 4	1168 2 1199 3	1160 2	<u>:::</u> :::	<u>: : : : : : : : : : : : : : : : : : : </u>	:::	: : :	R.P. I	3" or 1.73 Ozs. S. P.
- 1	96.9	2.86 3.14 8.52	20: : 00: :	<u>:::</u>	<u>:::</u>	<u>:::</u>		В.	.73

4,890 5,216 5,542	3,912 4,238 4,564	3,097 3,260 3,586	2,608 2,771 2,934	2,119 2,282 2,445	1,630 1,793 1,956	Feet per Min.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet
:::	:::	480	426 445 462	374 390 408	328 344 360	P.M.	1/4"
		.54	.35 .40	.21 .25	.12 .15 .18	в н.Р.	S.P.
:::	:::	511 526	460 476 495	415 430 444	376 382 398	P.M.	%"
		.67	.89 .52	.25 .30	.15 .18 .21	B H.P.	S.P.
:::	625	541 558 591	493 509 525	448 462 477	422 429 436	P.M.	¥"
	1.13	.64 .73	.50 .58	.29 .34	.19 .22	B H.P.	S.P.
:::	650 686	570 588 614	528 538	486 492 506	471 475 480	P.M.	%
	1.22 1.45	.70 .79	.55 .63	.383 428	.23 .26 .29	B H.P.	S.P
:::	674 708 744	596 611 642	550 565 580	524 529 535	518 518 520	R P.M.	%"
	1.28 1.55 1.86	.77 .86	.68 .68	.48 .48	.28 .31	B H.P.	S.P.
800 840	695 730 765	618 635	580 600	565 572	558	P.M.	7/8"
2.28	1.85 1.61 1.95	.82 .89 1.12	.60 .66	.43 .53	.39	в н.р.	S.P
817 850 883	718 751 784	642 663	610 616 626	600 602	596	R P.M.	1" S
2.38 2.75 3.19	1.43 1.71 2.02	.87 .98 1.18	.65 .71	.53 .59	.45	B H.P.	S.P.
858 893 928	756 790 824	688 700 725	671 675 681	668 669	:::	P.M.	11/4"
2.54 2.98 3.44	1.56 1.86 2.19	1.00 1.09 1.30	.76 .83	.61 .66		B H.P.	S.P.
890 920 960	800 860	744 752 770	733 734 739	732 733	:::	R P.M.	11/2" :
2.75 3.14 3.65	1.71 2.00 2.35	1.18 1.23 1.45	.90 1.05	.79 .84		H.P.	S.P.
925 956 990	834 865 895	796 802 816	790 790 7 92	790	:::	R P.M.	1%" 8
2.92 3.36 3.86	1.85 2.16 2.52	1.28 1.37 1.59	1.06 1.11 1.19	.99		В Н.Р.	S. P.
955 985 1015	872 894 925	847 850 857	844 845 846	:::	:::	P.M.	2" §
3.10 3.56 4.02	2.01 2.32 2.69	1.43 1.53 1.74	1.21 1.27 1.29	:::		в н.р.	S.P.
1015 1041 1070	957 970 989	946 947 948	944 945	:::	:::	R P.M.	21/4"
3.45 3.93 4.46	2.36 2.66 3.01	1.77 1.87 2.09	1.63 1.70			H.P.	S.P.
1072 1095 1130	1038 1043 1054	1035 1036 1037	1034	:::		P.M.	3" 8
3.81 4.35 4.88	3.05 3.42	2.16 2.26 2.47	2.08			B H.P.	S.P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-No. 11/4-161/4". No. 13/6-177/8". Wheel Circumference-No. 11/4-4.25 ft. No. 13/6-4.68 f

No. 11/2 Type HV Fan, Single Width, Single Inlet

5,804 6,191 6,578	4,643 5,030 5,417	3,677 3,869 4,256	3,096 3,289 3,482	2,516 2,709 2,903	1,985 2,129 2,322	C. F. M.	Volume
3000 3209 3406	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			388 407 425	341 358 372	302 314 327	P. M.	7,11
			.41 .50 .57	.27 .31	.15 .18	В.	S. P.
		471 485	422 439 457	378 392 407	355 355 355 355 355 355 355 355 355 355	R. P. M.	3%;
		.72	. 55	.35	.19 .24	B.	S. P.
	578	496 510 544	451 465 480	412 426 438	332	P.M.	Z.
	1.36	.78 .87 1.12	. 60	.36 .40	. 31	В.	S. P.
	598 628	518 531 564	480 490 503	448 451 467	433	P. R.	%,
	1.44	.85 .95 1.17	. 59 . 75	.41 .46		В.	S. P.
	623 654 681	5,5,5,4 5,5,4 5,5,5,5	510 520 530	484 490 500	477	P. N.	14,
	1.53 1.88 2.27	1.02 1.26	.66 .74	5548	4.00	н. В.	S. P.
725 760	638 667 696	567 584 608	555 555 555	516 520 526	510	P. R.	1,8,1
2.71 3.20	1.60 1.94 2.33	1.11 1.32	.72 .80 .91	. 53 . 54	.47	В. Н. Р.	S. P.
745 785 819	657 683 715	594 603 628	559 569 579	549 549	549	P. M.	1," 5
2.85 3.39 3.87	1.71 2.04 2.42	1.09 1.19 1.42	.78 .87	.59 .66	. 55	В. Н .Р.	S. P.
780 814 850	691 720 750	634 647 668	618 618 628	614 614 614		P. M.	1¼"
3.10 3.58 4.18	1.88 2.23 2.62	1.22 1.32 1.55	1.01 1.13	.74 .80		В. Н. Р	'S. P.
810 844 876	735 759 785	690 700 716	676 676 683	676 676		₽. X.	11/2"
3.29 3.78 4.42	2.09 2.46 2.85	1.42 1.51 1.78	1.13 1.22 1.30	1.02		В.	S. P
839 868 902	770 790 814		726 726 726	731		P. №.	1%"
3.49 3.97 4.59	2.29 2.62 3.04	1.55 1.69	1.28 1.36	1.21		В.	'S. P.
	804 824 848		8 780 8 775 8 775			P.R.	
3.72 4.27 4.84	2.83 2.83 2.83	1.73 1.86 2.17	1.46 1.53			В.	2" S. P.
	883 895 913		868 864			P. M.	21/2"
54.4	3.29 3.68	2.29 2.58				#_ I	" S. P.
4.17 995 4.70 1010 5.29 1034	1 955 9 965 8 977	5 951 8 951	1.90 2.03 955			в. R. R.	3" S.
	3.37 4.17	2.60 3.71	N: :	:::	<u> </u>	я. н. в.	S. P.

No. 13/4 Type HV Fan, Single Width, Single Inlet

						Г	
7,890 8,416 8,982	6,312 6,838 7,364	4,997 5,260 5,786	4,208 4,471 4,734	3,419 3,682 3,945	2,630 2,893 3,156	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			333 349 365	293 307 319	259 269 281		Х"
			.56 .68	.36 .43	.25 .25	В.	S. P.
		403 416	362 377 391	324 336 349	296 304 317	P. M.	%"
		98 1.10	. 66 . 74 . 86	.43 .48 .56	. 25 . 32 . 37	В. Н. Р.	S. P.
	496	424 437 467	387 398 412	353 365 375	336 345	P. M.	7,
	1.84	1.06 1.19 1.51	. 73 . 82 . 93	. 49 . 54	. 43	В. Н. Р.	S. P.
	513 538	444 457 483	412 420 432	38 2 387 400	372 378	P. M.	5/11
: : :	1.95 2.37	1.15 1.29 1.58	.79 .90 1.02	.56 .62	500	В. Н. Р.	S. P.
	534 560 584	467 479 504	437 446 454	415 420 428	408 410	Р. М.	3%;
	3.08 3.08	1.25 1.38 1.71	.90 1.00 1.12	. 65 . 73		В. Н. Р.	S. P.
622 651	547 572 597	487 500 521	459 466 476	442 446 451	437	P. M.	7%!!
3.69 4.35	$\begin{array}{c} 2.17 \\ 2.63 \\ 3.16 \end{array}$	1.34 1.50 1.79	.98 1.08 1.24	. 72 . 79 . 87	.64	в. н. р.	s. P.
639 672 702	564 585 614	508 517 538	480 487 497	471 471 478	471	P.M.	1" S.
3.87 4.62 5.27	2.32 2.77 3.29	1.48 1.61 1.92	$1.06 \\ 1.19 \\ 1.32$.90	74	В.	. Р.
669 698 728	594 618 644	543 554 571	530 530 538	527 527 527		р. ж .	1¼"
4.22 5.68	2.55 3.03 3.56	1.66 1.79 2.11	1.26 1.37 1.53	1.00 1.08 1.16		В.	'S. P.
695 723 750	631 651 672	592 600 614	580 585	580 580		р. Р. м.	1½"
4.48 5.13 6.00	2.85 3.35 8.87	1.92 2.05 2.42	1.55 1.66 1.77	1.27 1.37		В.	S. P.
719 744 773	660 677 698	631 634 647	622 622 622	627		P.R.	1%"
4.74 5.40 6.25	3.11 3.55 4.13	2.11 2.29 2.69	1.74 1.84 1.98	1.63		B. R. H. P. P. M.	
		665 668 677	8000 8000 8000			P.R.	20
6.580 6.580	3.37 3.84 4.43	2.34 2.53 2.95	1.98 2.08 2.24			В.	S. P.
799 815 841	757 766 782	740 740 745	744 740			ĭ.₩	21/2"
5.67 6.40 7.20	3.95 4.48 5.00	2.98 3.11 3.50	2.58			н. в.	S. P.
854 866 887	818 827 837		820 3.37			P.B	3" S.
6.38 7.11 8.05	5.08 6.08	4.69 8.69	ස : ස :			Ħ.B.	S. P.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. Wheel Diameter-No. 11/2-191/2". No. 13/4-223/4". Wheel Circumference-No. 11/2-5.10. No. 13/4-5.95.

For performance of double width, double inlet, HV fans multiply C.F.M. by 2, B.H.P. by 2.1, B.P.M. by 1.015 and outlet velocity by 1.11. Use the performance tables for single width, single inlet fans when figuring double width fans. When fans are equipped with vortex, increase speed 4%.

No. 2 Type HV Fan, Single Width, Single Inlet

10,320 11,008 11,696	8,256 8,944 9,632	6,536 6,880 7,568	5,504 5,848 6,192	4,472 4,816 5,160	3,440 3,784 4,128	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			291 304 318	255 268 279	222 455 6	P. M.	У,"
	: : :		.73 .88 1.00	.47 .56		В.	S. P.
		353 363	316 329 341	283 294 305	258 266 275	P. M.	3%,,
	<u> </u>	1.28	.87 .97 1.12		. 42 . 49	В.	S. P.
	433	371 382 408	338 348 360	808 819 825	294 301	P.M.	7,
	2.42 2	1.38 1.55	1.07 1.21	.64 .71 .83		B. H. P.	S. P.
		388 398 423	360 367 378	338 350	324 330	P. M.	%,
	2.55 3.11	1.50 1.69 2.07	1.04 1.18 1.33			В. Н. Р.	.s.
	467 489 511	408 419 441	382 389 397	363 367 374	25 GB	P. M.	X
	2.73 3.35 4.05	1.64 1.81 2.24	1.18 1.31 1.47	1.04	.68	В. Н. Р.	S. P.
544 568		424 437 455		386 390 393	382	P. M.	1,2%
4.83 5.70	2.85 3.45 4.15	1.76 1.97 2.35	1.28 1.42 1.62	1.04 1.14	. : ∞ : :	H. P.	S. P.
558 588 614		444 452 470	418 426 433	411 411 417	411	P. M.	1" S.
5.08 6.04 6.90	3.04 3.62 4.32	1.93 2.10 2.52	1.38 1.56 1.73	1.18 1.28	.97	B. H.P.	3. P.
	518 539 562	475 485 499		460 460		P. M.	1%"
7.43 439	3.35 3.97 4.67	2.18 2.35 2.76	1.66 1.80 2.00	1.81 1.42 1.52		B. H. P.	S. P.
607 632	551 569 588	517 524 536		507 507		P. M.	11/2"
5.87 6.73 7.87	3.73 4.38 5.08	2.52 2.69 3.18	2.00 2.18 2.31	1.66	: : :	В.	S. P.
628 650 676	578 591 610	551 565	544	547	: : :	P. M.	1%"
6.21 7.10 8.18	4.08 4.66 5.42	2.76 3.00 3.52	2.2.28 2.428	2.14		В.	S. P.
654 676 698		580 584 591				P. M.	20,
8.76.63 8.63	4.42 5.04 5.81	3.07 3.81	22.75 93.75 93.75	: : :		B.	S. P.
698 713 735	661 670 683					P.M.	21/2"
7.42 8.40 9.42	6.87 6.87	4.08 4.59	3.33 628			В. Н. Р.	S. P.
745 757 775	715 724 5 731	718 718 711	717			P.M.	ω,
8.35 9.38 10.6	6.01 7.42	4.68 5.38 5.38		: : :	: : :	H. P.	S. P.

No. 2 Type HV Fan, Double Width, Double Inlet

20,640 22,016 23,392	16,512 17,888 19,264	13,072 13,760 15,136	11,008 11,696 12,384	8,944 9,632 10,320	6,880 7,568 8,256	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
			295 309 323	259 272 283	229 239 249	R. P. M.	X, 8
:::			1.53 1.85 2.10	1.18 1.34	. 67 80	В. Н. Р.	8. P.
		358 368	321 334 346	287 298 310	262 270 279	R. P. M.	%* S
	<u> </u>	2.69 3.02	1.83 2.04 2.35	1.18 1.32 1.53	1.03	В. Н. Р.	S. P.
	439	377 388 414	343 353 365	312 324 330	298	Р. М.	3,2%
	5.08	2.90 3.26 4.18	2.25 54 54	1.34 1.49 1.74	1.05	в.	S. P.
	455 477	394 404 429	365 373 384	339 343 355	335	P. M.	%" 8
	5.36 6.53	3.55 4.35	2.18 2.48 2.79	1.53 1.72 1.97	1.24 1.39	В.	S. P.
	474 496 519	414 425 448	388 395 403	368 373 380	363	P. M.	*
	5.73 7.04 8.51	3.44 3.80 4.70	2.48 2.75 3.09	1.79 2.00 2.18	1.43 1.60	В.	S. P.
552 576	484 506 529	430 444 462	406 413 420	392 396 399	ພ. ວວ ວວ	P. M.	1%
10.14 11.97	5.99 7.25 8.72	3.70 4.14 4.94	2.69 2.98 3.40	1.97 2.18 2.39	1.74	В. Р.	S. P.
566 597 623	499 519 544	451 459 477	424 432 439		417	P. R.	1, 8
10.67 12.68 14.49	6.38 7.60 9.07	4.05 4.41 5.29	2.90 3.28 3.63	2.48 2.48 2.69	2.04	В.	1" S. P.
594 619 646	526 547 570	482 506	470 470 477			™	11%
11.61 13.42 15.60	7.04 8.34 9.81	4.58 4.94 5.80	3.49 3.78 4.20	2.75 2.98 3.19		В.	s. P.
616 641 666	559 578 597	525 532 544	515 520	515 515		P. M.	11/2"
12.33 14.13 16.53	7.83 9.20 10.67	5.29 6.68	4.58 4.85	3.49 3.78		в.	S. P.
637 686	587 600 619	559 562 573	552 552	C71 ::		P. ¤.	13/"
13.04 14.91 17.18	8.57 9.79 11.38	5.80 6.30 7.39	4.79 5.08 5.44			В.	"S. P.
664 708	612 626 645	589 593		4.49	: : :	P. M.	2" 5
13.92 15.96 18.12	9.28 10.58 12.20	6.45 6.95 8.13	5.44 5.73			B. F.	2" S. P.
708 724 746	671 680 693		3 660 5 657			P. M.	21/2"
15.58 17.64 19.78	10.88 12.33 13.78	8.00 9.00 9.00 9.00 9.00 9.00 9.00 9.00	7.10			B. R. B. R. H. P. H. P.	8. P.
756 768 787						P.R.	3,4 5
17.54 19.59 22.26	15.12	9.72 10.14 11.24	φ			. н. в.	3" S. P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-26". Wheel Circumference-6.81 ft. When fans are equipped with vortex, increase speed 4%.

No. 21/4 Type HV Fan, Single Width, Single Inlet

12,180 2800 12,180 2800 13,050 3000 13,920 3200 14,790 3400	,265 ,700 ,570	,395 ,830 ,830		4,350 1000 4,785 1100 5,220 1200	<u> </u>	Volume Vel
3000 3200 3400	2400		1300 1400 1500	1000 1100 1200	per N	V _{el} o
		258 270 288			in	Outlet Velocity
			226 237 247	200 208 217	P. M.	Ж" S.
	<u>: :::</u>	.92 1.11 1.26	.59 .70 .81	.33 .40 .48	В. Н. Р.	ў. Р.
	312 322	280 292 302	250 260 270	229 236 244	P.R.	%
	1.61	1.09 1.22 1.42	.70 .79 .92	. 42 . 53	В.	S. P.
	328 338 361 384	299 308 319	273 282 289	260 267	Р. М.	7,
	1.74 1.96 2.50	1.20 1.35 1.53	.81 .90 1.05	-64 70	В.	S. P.
417		319 325 334	296 299 310	287 293	P. M.	%,,
3.92	1.90 2.13 2.61 3.22	1.31 1.48 1.68	1.03 1.18	. 74	в. н. р.	S. P.
453			321 325 332	315 317	Р. М.	34"
4.23 5.10	2.07 2.29 2.83	1.48 1.66 1.85	1.07 1.20 1.31	. 85	В.	S. P.
443 462 482 504			341 345 349	338	Р. М	7%"
4.35 5.23 6.10 7.18	2.22 2.48 2.96	1.61 1.79 2.05	1.18 1.31 1.44	1.05	в.	S. P.
453 475 490 521 543				364	R. P. M.	1" !
4.58 5.45 6.40 7.62 8.71	2.44 2.66 3.18 3.83	1.74 1.96 2.18	1.31 1.48 1.61	1.22	В. Н. Р.	S. P.
497 497 504 540 564			407 407 407		P. M.	11/4"
5.88 5.88 5.97 9.87		2.09 2.26 2.53	1.66 1.78 1.92		в. н. Р	S. P.
520 520 537 581			448		P. M.	11%"
5.53 6.40 7.40 8.50	3.18 3.43 4.00 4.70	2.53 2.74 2.92	2.09 2.27		В.	S. P.
524 540 557 576			\$4 		Р. М.	1%"
5.88 6.84 7.84 8.93	3.48 3.79 4.44 5.14	2.88 3.05 3.25	2.70		В. Н. Р.	S. P.
547 563 579 599 619			: : :		P. M.	Ŋį
6.35 7.32 8.36 9.58 10.9	\$.88 4.19 5.58	3.27 3.44 3.7)			В. Н. Р.	S. P.
593 605 618 631 651					P. M.	21/2"
7.40 8.27 9.35 10.6 11.9	4.83 5.14 5.79	4.27			B. R. B. H. P. P. M. H. P.	'S. P.
641 648 660 670 687		635			P.R.	8′′
8.40 9.35 10.6 11.8 13.3					В.	S. P.

No. 21/4 Type HV Fan, Double Width, Double Inlet

26, 100 27, 840 29, 580		16,530 17,400 19,140	13,920 14,790 15,660	11,310 12,180 13,050	8,700 9,570 10,440	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	per Min.	Outlet Velocity
: : :	: : :		262 274 287	229 241 251	203 211 220	Р. М.	X, X
<u> </u>		: : :	1.93 2.33 2.65	1.24 1.47 1.70	. 84 1.01	В.	s. P.
<u> </u>		317 327	284 296 307	254 264 274	232 240 248	P. M.	3/2° S
		: 33 : 80	2.29 2.56 2.98	1.47 1.66 1.93	1.11 1.28	В.	S. P.
<u> </u>	390	333 343 366	303 313 324	277 286 293	264 271	Р. М.	%" s.
<u> </u>	6.41	3.65 4.12 5.25	2.52 2.84 3.21	1.70 1.89 2.20	1.34	В Р.	P
: : :	403 423	349 357 380	324 330 339	303 303	291 297	P. M.	%" s.
<u> </u>	6.76 8.23	3.99 4.47 5.48	2.75 3.11 5.53	1.93 2.16 2.48	1.55	В.	.P
<u> </u>	419 439 460	366 377 396	343 356	326 330 337	320 322	P. M.	3/ s.
	7.22 8.88 10.7	4.85 4.81 5.94	3.11 3.49 3.89	2.25 2.52 2.75	1.79 2 02	В. Н. Р.	ș. P.
489 512	429 450 469	382 393 409	359 365 374	346 350 354	343	. X	1/8" S.
12.8 15.1	7.54 9.14 11.0	4.66 5.21 6.22	3.38 3.76 4.31	2.48 2.75 3.02	2 21	н _. в	5. P
497 529 551	444 460 482	400 406 123	377 384 390	369 369 375	369	R. B.	1, 8
13.4 16.0 18.3	8.04 9.62 11.4	5.12 5.59 6.68	3.65 4.12 4.58	3.1 7 3.11 3.38	2.56	В.	's. p.
512 548 572	466 484 504	426 436 450	416 416 423	413 413 413		R. B. P.M. H. P.	11%"
14.6 16.9 19.7	10.5 12.3	5.75 6.22 7.31	4.39 4.75 5.31	3.49 3.74 4.13		В. Н. Р.	S. P.
545 567 590	495 511 528	465 471 482	455 455 460	455		P. M.	11/2 "
15.5 17.9 21.0	9.87 11.6 13.4	6.68 7.14 8.40	5.75 6.13	4.39 4.77		В.	S. P.
6085 5085	519 532 548	495 497 509	4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	492		P. M. 1	134"
16.5 18.8 21.8	10.8 12.3 14.4	7.31 7.96 9.32	6.05 6.85	5.67		в.	1¾" S. P.
588 608	542 555 571	522 526 532	526 522 522			R. P. M.	2" S.
17.6 20.1 22.9	11.7 13.3 15.4	8.15 8.80 10.2	6.87 7.22 7.77			B.	.D
627 640 661	595 602 614	582 586	586 582	<u> </u>		P. M.	21/2"
19.6 22.3 25.0	13.7 15.5 17.4	10.1 10.8 12.2	8.97 9.60			B. R. B.	S. F.
670 680 697	644 651 658	640 640 639	646			P.R.	3″ S
22.3 24.8 27.9	15.9 17.6 19.6	12.3 12.8	11.7			В.	3. P.
					<u> </u>	······································	

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs., per cu. ft. Wheel Diameter-291/4". Wheel Circumference-7.68 ft.

No. 21/2 Type HV Fan, Single Width, Single Inlet

16,110 17,184 18,258	12.888 13,962 15,036	10,208 10,740 11,814	8,592 9,129 9,666	6,981 7,518 8,055	5,870 5,907 6,444	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet
			233 245 256	205 215 224	181 188 197	P. M.	χ″ s.
			1.13 1.37 1.56	.72 .86 1.00	.41 .50	В. Н. Р.	.₽
		283 292	254 264 274	227 236 245	207 213 221	р. Р. м .	%
		1.99 2.24	1.35 1.51 1.75	.86 .97 1.13	.65 .76	В.	S. P.
	348	297 306 327		247 256 262		В. Р. М.	χ [*]
	3.77	2.15 2.42 3.10	1.48 1.67 1.88	1.00 1.10 1.29	.78	В. Н. Р.	S. P.
	359	311 319 339	289 303	268 271 280	260 265	P. M.	7,
	3.98 4.85	322 224	1.62 1.83 2.07	1.13 1.27 1.45	1.03	в. н. р.	S. P.
	8 374 5 392 409	327 336 354	306 312 318	291 294 300		R. P. M.	1.7%
	5.28 6.30	2.56 2.83 3.50	1.83 2.05 2.29	1.32 1.48 1.62	1.05	В.	S. P.
486	888 400 419				306	P.R.	1,8%
7.55 8.88	5.45 6.45	2.75 3.07 3.66	1.99 2.28 2.53	1.45 1.62 1.78	1.29	В.	S. P.
471	430 430	356 362 377	336 342 348	333 3 335	330	P. M.	1" 8
7.90 9.42	6.73 6.73	3.01 3.28 3.98	2.15 2.42 2.69	1.62 1.83 1.99	1.51	В. Н. Р.	S. P.
510 688 688 688	415 432 450	389 400	371 371 377	368 368 368		P. M.	11%"
10.0 11.6	5.22 6.18 7.27	3.39 3.66 4.81	2.58 2.80 3.12	2.05 2.21 2.37		н. Р	S. P.
507 527	2 442 8 456 7 472					P.R.	11%"
9.15 10.5 12.3	7.85 90	4.20	3.35 3.61	225		н. в.	S. P.
5 504 541			436 436	437	: : :	P. M.	13,"
9.69 11.0 12.8		4.31 5.50	8.55 3.77 4.04	ထ ယ ယ		В.	S. P.
	5 483 5 5 5 5 5 5 5 6 7					P.R.	2,, 5
111.9	9.05 9.05					в.	S. P.
570 571		77 518 27 518				P.R.	
18.1			<u>:</u>			В.	S. P.
598 607 621	0.01				:::	K	8,
550	1109	00-1-1				H.B.	S. P.

No. 21/2 Type HV Fan, Double Width, Double Inlet

32,220 34,368 36,516	25,776 27,924 30,072	20,406 21,480 23,628	17, 184 18, 258 19, 332	13,962 15,036 16,110	10,740 11,814 12,888	C. F. M.	Volume	
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity	
			236 249 260	208 218 227	200 200 200	R. P. M.	χ. s.	
			2.37 2.88 3.28	$1.51 \\ 1.81 \\ 2.10$	1.05 1.24	В.	!¤	
: : :		287 296	258 268 278	230 240 249	210 216 224	P. M.	% 8.	
: : :		4.18 4.70	2.83 3.17 3.68	1.81 2.04 2.37	1.37 1.60	B. H. P.	3. P.	
	353	301 311 332	275 283 293	251 260 266	240 246	R. P. M.	%* S.	
	7.92	4.52 5.08 6.51	3.11 3.51 3.95	2.10 2.31 2.71	1.61	В.	5. P.	
: : :	364 383	316 324 344	293 299 308	272 275 284	264 269	P.M.	3,8%	
	8.36 10.2	4.91 5.54 6.78	3.40 3.84 4.35	2.37 2.67 3.05	1.93 2.16	В.	S. P.	
	380 398 415	332 341 359	311 317 323		290 291	P. M.	% S.	
	8.93 11.0 13.2	5.38 5.94 7.35	3.84 4.31 4.81	2.77 3.11 3.40	2.21 2.50	В.	3. P.	
443	389 406 425	345 356 370	326 331 338	314 317 321	311	P. M.	%.	
15.9 18.6	9.35 11.3 13.5	5.78 6.45 7.69	4.18 4.68 5.31	3.05 3.40 3.74	2.71	В.	S. P.	
454 478 499	401 416 436	361 367 383	341 347 353	335 40	335	P. M.	1.8	
16.6 19.8 22.7	9.93 11.9 14.1	6.32 8.25	4.52 5.08 5.65	3.84	3. 17	В.		
467 496 518	421 438 457	395 406	377 377 383			P. M.	1%]
18.1 21.0 24.4	13.0	7.12 7.69 10.1	5.42 5.88	4.64		B.	S. P.	
494 515 535	449 463 479	421 427 436	413 416	413 413		P. M.	11%	
19.2 22.1 25.8	12.2 14.4 16.6	8.25 8.82 10.4	7.12 7.58	5.42		H. P.	S. P.	
512 529 549	470 481 496	443 450 461	443 443 443	444	: : :	P. M.	1%	
20.3 26.9	13.3 15.3 17.7	9.05 9.83 11.6	7.46 7.92 8.48	7.01		H. P.	S. P	
533 549 562	490 502 518	472 475 482	475 472 472			P.M.	120	
21.8 25.0 28.4	14.5 16.5 19.0	10.1 10.9 12.6	98.46 8.93			B. H. P.	P.	
580 598			529 526	7.01		P.M.	21/5*	1
24.4 27.5 30.9	16.9 19.2 21.4	15.0	11.1			В.	S. P.	
616						P. M	3* S.	
27.3 30.5 34.4	19.7 21.8 24.4	15.1	14.5			В. Р.	¥.	
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NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. A. Wheel Diameter-321/2". Wheel Circumference-8.50 ft.

No. 23/4 Type HV Fan, Single Width, Single Inlet

19454 20750 22048	15564 16860 18156	12321 12970 14266	10375 11024 11672	8430 9078 9727	6485 7133 7782	C.	<u>و</u>
403	40%	872	727	726	823	F.M	
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min	Outlet
		240	213 222 231	186 195 204	164 171 178	P. M	14.
		2 25	1.50 1.77 1.96	1.02 1.23	. 48 . 61 . 75	н. р	
		255 264	230 238 246	206 214 222	198 192	P.R.	%,
: : :	<u> </u>	2.45	1.63 1.84 2.16	1.16 1.29	. 75 . 82	HB T	S.P.
	313	270 282 296	244 252 260	224 230 237	212 214 218	P R.	%" s
. : :	4.94	2.70 3.06 3.92	1 81 2.04 2.34	1.20 1.39 1.57	1.03 1.03	В н.	P
	. 323 . 433	283 306	260 267 274	242 247 253	236 237 239	P.R.	% %
	5.17 6.33	2.86 3.23 4.08	2.02 2.27 2.55	1.37 1.57 1.77	96 1.08 1.13	В Н. Р	7.7
	334 352 371	296 306 318	275 281 288	261 264 269	259 259 260	P R	%' S
	5.37 6.56 8.03	3.09 3.44 4.28	2.22 2.48 2.77	1.55 1.76 1.96	1.16 1.27 1.42	В.	, ;
398 416	346 363 380	307 316 330	290 294 300	281 283 286	279	P R	%;; S.
9.86 11.58	5.45 6.68 8.24	3.35 3.64 4.47	2.46 2.79 3.07	1.69 1.95 2.23	1.44	нв	70
408 426 444	358 374 390	320 328 342	305 310 315		300	PMI	1" S.
10 08 11 92 13 96	5.79 6.95 8.37	3.61 4.84	2.58 2.92 3.20	2.04 2.21 2.38	1.84	ны	P
425 442 460	376 391 408	346 352 363	336 342	3333 344 544	: : :	P. M. 1	1 ¼" S
10.45 12.52 14.60	7.49 8.85	4.08 4.51 5.07	3.13 3.47 3.57	2.62 85		н. в 1	ў. Т
443 459 475	397 411 427	371 376 385	367 368 369	366 367		R. M. H	11/2" S.
11.06 12.80 14.98	6.95 7.36 9.53	4.69 5.00 5.94	3.74 4.00 4.25	3.13		В. Н. Р. 1	5. P.
459 I 474 I 490 I	418 430 444	397 400 408	395 395 6	394	: : :	В. Р. М. 1	1%" 8
111.85 13.55 15.60	7.76 8.92 10.28	5.19 5.67 6.61	4.32 4.64 4.88	4.02		В. Н. Р. Г	S P
475 490 505	437 449 462	424 425 427	422 423 423	<u> </u>		P. M. F	2" S
12.52 14 42 16 32	8.28 9.64 11.10	5.79 6.26 7.21	4.91. 5.30 5.48	:::		B. H. P. P	P
507 14 520 16 535 18	477 9 485 10 495 12	473 474 475	473			В. Р. М. Н	21/2" S
4.30 6.20 8.18	9.80 0.28 2.67	7.42 7.69 8.75	6.74 7.01			B. P	S. P.
540 1 550 1 562 2	520 1 522 1 530 1	519 519 519	518	:::		P.M.	3" S. P.
15.92 17 70 20 15	11.50 12.40 13.40	8.89 9.36 10.28	8.78	:::		ВР	٦

No. 2% Type HV Fan, Double Width, Double Inlet

Outlet Velocity Perchantity Pe	38,908 41,500 44,096	31,128 33,720 36,312	24,642 25,940 28,532	20,750 22,048 23,344	16,860 18,156 19,454	12,970 14,266 15,564	C. F. M.	Volume
B. P. % S. P. ½ S. P. ½ S. P. ¾ S. P. ¾ S. P. ¾ S. P. ¾ S. P. ¼ S. P. ¼ S. P. ½ S. P. 1½ S. P.	3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
98"S. P. 18"S. P. 58"S. P. 34"S. P. 78"S. P. 18"S. P. 18"S. P. 11"S. P. 114"S.			244	216 225 234	189 198 207	166 174 181		1/1 8
S. P. 1/3" S. P. 5/8" S. P. 3/4" S. P. 7/8" S. P. 1/5" S. P. 1/4" S. P. </td <td><u> </u></td> <td><u> </u></td> <td>4.73</td> <td>3.15 3.72 4.12</td> <td>1.87 2.14 2.58</td> <td>1.28 1.58</td> <td>в. н. р.</td> <td>. P</td>	<u> </u>	<u> </u>	4.73	3.15 3.72 4.12	1.87 2.14 2.58	1.28 1.58	в. н. р.	. P
1/2"S. P. 5/8"S. P. 3/4"S. P. 7/8"S. P. 1/8"S. P. 1/4"S. P. 2"S. P. R. B. R. B.<		<u> </u>	<u> </u>		209 217 225			% %
S. P. 56" S. P. 34" S. P. 78" S. P. 1" S. P. 114" S. P. <			5.15 5.86	3.42 3.86 4.54	2.00 2.44 2.71	1.58 1.72		.p
56" S. P. 34" S. P. 78" S. P. 1" S. P. 114" S. P. 1144" S. P. 1144" S. P. 1144" S. P. 1144" S.	<u> </u>						 	%" S
S. P. ¾″S. P. ½″S. P. 1″S. P. 1/4″S. P. 1½″S. P. 1¾″S. P. 1½″S. P. 1½″S. P. 1½″S. P. 1½″S. P. 1½″S. P. 1½″S. P. 2″S. P. 2″S. P. 2″S. P. B. P. M. H. P. P. M. H.	<u> </u>	-: -		3.80 4.28 4.91	2.52 2.92 3.30	1.58 1.91 2.16	۳.۳	.p
P. ¾″S. P. ½″S. P. 1″S. P. 1¼″S. P. 1½″S. P. 1¾″S. P. 1¾″S. P. 1½″S. P. 1¾″S. P. 1½″S. P. 1¾″S. P. 1¾″S. P. 1½″S. P. 1¾″S. P. 2″S. P. B. R. B.	: : :	•						%" S
S. P. 7%" S. P. 1" S. P. 1\%" S. P. 2" S. P. B. B. R. B. R. B. R. B. P. M. H. P. P. M. H. P		: ISO : S	6.01 6.78 8.57	4.24 4.77 5.36	2.88 3.30 3.72	2.02 2.27 2.37	В.	. P.
78" S. P. 1" S. P. 1\%" S. P. 1\%" S. P. 1\%" S. P. 1\%" S. P. 2" S. P. R. B. P. M. H. P. P			300 311 323	279 285 292	265 268 273	263 263		%/″ S
8"S. P. 1"S. P. 1\%" S. P. 1\%" S. P. 1\%" S. P. 1\%" S. P. 2"S. P. R. B. W. H. P. P. M. H.		11.3	6.49 7.22 8.99	$\frac{4.66}{5.21}$ $\frac{5.82}{5.82}$	3.26 3.70 4.12	2.44 2.67 2.98	в. н. р.	P.
P. 1"S. P. 1\%"S. P. 1\%"S. P. 1\%"S. P. 1\%"S. P. 2"S. P. B. R. B. B. R. B. B. R. B. B. B. R. B.			312 321 335	294 298 305	285 287 290	283	.×.×.	
B. P. 114" S. P. 114" S. P. 114" S. P. 2" S. P. B. R. B. P. M. H. P. P. M. H. P. P. M. H. P. P. M. H. P. 4.64 339 5.00 371 6.57 373 7.22 400 8.44 529 11.5 6.13 344 7.29 374 8.40 402 10.2 429 11.5 6.13 347 7.50 375 8.40 402 10.2 429 11.5 10.2 368 10.6 391 12.5 406 11.9 431 13.1 112.2 382 13.4 403 14.6 424 16.3 444 17.4 429 11.6 431 12.6 431 12.5 114.6 397 13.6 433 12.5 436 12.6 436 20.2 3.8 25.0 449 26.3 466 26.9 481 28.5 497 30.3 26.3 467 30.7 482 31.5 497 32.8 513 34.3	20.7	11.4 14.0 17.3	7.04 7.64 9.39	5.17 5.86 6.45	3.55 4.10 4.68	3.02	В. Н. Р.	P.
P. 1¾"S.P. 1½"S.P. 1¾"S.P. 2"S.P. B. R. B. B. R. B. R				310 315 320	305 306 307	305		1" S
S. P. 11/2" S. P. 11/4" S. P. 2" S. P. B. P. M. H. P. P. M. H. P. P. M. H. P. 5.00 371 6.57	21.2 25.0 29.3	12.2 14.6 17.6	7.58 8.30 10.2	5.42 6.13 6.72	4.28 4.64 5.00	3.86		
11½"S. P. 13¼"S. P. 2"S. P. R. B. R. B. R. B. R. B. O 371 6.57 O 373 7.22 400 8.44 O 373 7.22 400 8.44 O 373 7.85 401 9.07 428 10.3 O 374 8.40 402 10.2 O 375 8.93 402 10.2 O 376 8.93 402 10.2 O 377 9.85 406 11.9 O 378 10.5 O 408 11.9 O 408 11.5 O 408 11.9 O 408 11.1 O 408 11.9 O 408 11.1 O 408 11.9 O 408		382 397 414		341 343 347	339 340			1¼"
S. P. 114/" S. P. 2" S. P. B. R. B. R. H. P. P. M. H. P. 6. 57 400 8.44 4.7 11.5 12.2 10.3 10.9 430 12.2 11.5 406 11.9 431 13.1 11.5 446 118.9 433 15.1 114.6 424 16.3 444 17.4 16.5 426 11.5 426 11.5 426 11.5 426 11.5 426 11.5 426 11.5 426 11.9 431 13.1 11.5 426 11.9 431 13.1 11.5 11.5 426 11.9 431 13.1 11.5 11.5 426 11.9 431 13.1 13.1 12.5 426 11.9 432 12.2 10.5 426 11.9 432 12.2 10.5 426 11.9 431 13.1 13.1 12.5 426 11.9 431 13.1 13.1 12.5 426 11.9 432 12.2 12.5 426 12.6 426 12.7 426 12.3 12.6 426 12.7 426 12.3 12.6 426 12.6 4	21.9 26.3 30.7	13.4 15.7 18.6	$\begin{array}{c} 8.57 \\ 9.47 \\ 10.6 \end{array}$	$\begin{array}{c} 6.57 \\ 7.29 \\ 7.50 \end{array}$	6 .500			S. P.
S. P. 114/" S. P. 2" S. P. B. R. B. R. H. P. P. M. H. P. 6. 57 400 8.44 4.7 11.5 12.2 10.3 10.9 430 12.2 11.5 406 11.9 431 13.1 11.5 446 118.9 433 15.1 114.6 424 16.3 444 17.4 16.5 426 11.5 426 11.5 426 11.5 426 11.5 426 11.5 426 11.5 426 11.9 431 13.1 11.5 426 11.9 431 13.1 11.5 11.5 426 11.9 431 13.1 11.5 11.5 426 11.9 431 13.1 13.1 12.5 426 11.9 432 12.2 10.5 426 11.9 432 12.2 10.5 426 11.9 431 13.1 13.1 12.5 426 11.9 431 13.1 13.1 12.5 426 11.9 432 12.2 12.5 426 12.6 426 12.7 426 12.3 12.6 426 12.7 426 12.3 12.6 426 12.6 4		403 417 433		373 374 375	371 373		R. P. M.	
B. R. B. B. A. H. P. N. H. P.			9.85 10.5 12.5	7.85 8.40 8.93	6.57 7.22		В.	S. P.
B. R. B. B. A. H. P. N. H. P.			403 406 414		400		R. P. M.	134"
2" S. P. R. B. P. M. H. P. 428 10.3 429 11.5 429 11.5 431 13.1 433 15.1 433 15.1 434 17.4 444 17.4 456 20.3 469 23.3 513 34.3 34.3	24.9 28.5 32.8	16.3 18.7 21.6	10.9 11.9 13.9	9.07 9.74 10.2	8.44		.H.	
B. P. 2½"S. P. 3"S. P. B. R. B. R. B. R. B. H. P. P. M. H. P. P. M. H. 11.5 480 14.2 5.6 18.4 11.5 480 14.7 5.6 18.4 11.1 481 16.1 527 19.7 13.1 481 16.1 527 19.7 15.1 482 18.4 527 21.6 17.4 484 20.6 528 24.3 17.4 484 20.6 530 26.6 18.5 530 26.6 538 28.1 18.6 530 26.6 538 28.1 18.7 548 34.0 558 37.5 18.8 548 38.2 570 42.8				428 429 429			R. P. M.	2″
P. M. H. P. P. M. H. P. M. H. P. P. M. H. 480 14. 2 56 18. 480 14. 7 526 18. 480 15. 6 527 19. 481 16. 1 527 19. 482 18. 4 527 21. 6 538 22. 515 30 0 548 37. 528 34.0 558 37. 543 38.2 570 42.	26.3 30.3 34.3	17.4 20.2 23.3	12.2 13.1 15.1	10.3 11.1 11.5			В.	
B. P. 3"S. P. B. R. B. H. P. P. M. H. 14. 7 526 18. 14. 7 526 18. 15. 6 527 19. 16. 1 527 19. 17. 6 530 24. 20. 6 538 28. 20. 6 538 28. 334.0 558 37. 338.2 570 42.							R. P. M.	21/2"
3" S. P. R. H. B. P. M. H. B. 526 18. 527 19. 527 21. 530 24. 548 33 44. 558 37.	30.0 34.0 38.2	20.6 21.6 26.6	15.6 16.1 18.4	14.2 14.7			В.	S. P.
S. P. B.		530 538	527 527 527	526			P. M.	ع ع
### ### ###	33.4 37.2 42.3	24 .2 26.0 28.1	18.7 19.7 21.6	18.4			в.	s. p.

NOTE—The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-353/4". Wheel Circumference-9.36 ft.

No. 3 Type HV Fan, Single Width, Single Inlet

23,220 24,768 26,316	18,576 20,124 21,672	14,706 15,480 17,028	12,384 13,158 13,932	10,062 10,836 11,610	7,740 8,514 9,288	C. F. M.	Waller
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet
: : :			195 204 213	171 179 187	151 157 164	Р. М .	%" S.
: : :			1.63 1.98 2.25	1.05 1.24 1.43	. 758 . 85	в. н. р.	P.
		235 243	211 220 228	189 196 204	173 178 184	R. P. M.	%,
		2.87 3.22	1.94 2.17 2.52	1.24 1.40 1.63	.74 .93 1.09	в.	s. P.
	290	248 255 273	226 233 241	206 213 218	196 201	P. M.	1/2"
	5,43	3.10 3.49 4.45	2.14 2.40 2.71	1.44 1.59 1.86	1.13 1.24	В. Н. Р.	S. P.
	299 314	259 266 282	240 245 252	223 226 234	217 221	Р. М .	5%;;
	5.74 6.98	3.37 3.80 4.65	2.33 2.64 2.98	1.63 1.82 2.10	1.32	В.	s. P.
	312 326 341	272 280 294	255 260 265	242 245 250	238 239	P. M.	34"
	6.13 7.50 9.06	3.68 5.05	2.64 3.95 3.29	1.90 2.13 2.33	1.51	в.	S. P.
363	319 334 348	283 292 304	267 272 277	257 260 263	255	P. M.	7%;
12.8	6.40 7.74 9.29	3.95 4.42 5.27	2.87 3.18 3.64	2.10 2.33 2.56	1.86	В.	S. P.
372 392 409	328 342 358	297 302 314	280 285 290	275 275 279	275	P. M.	1" 5
11.4 15.5	6.78 8.13 9.68	4.34 4.73 5.65	3.10 3.48 3.88	2.83 2.64 2.87	2.17	В. Н. Р.	S. P.
390 407 425	346 360 375	317 324 334	309 309 314	306 306 307		P. M.	1¼"
12.4 14.4 16.7	7.52 8.90 10.5	4.85 5.27 6.20	3.72 4.03 4.46	2.95 3.14 3.41		В.	S. P.
405 421 438	368 392	345 350 358	338 341	333		P. M.	11/2"
13.2 15.2 17.7	8.37 9.83 11.4	5.63 6.00 7.13	4.46 5.20	3.72 4.03		н. в.	S. P.
420 434 451	7 3 3 3 4 0 8	368 370 377	365	365		P.M.	1%"
15.0	9.13 10.5 12.2	6.20 6.75 7.90	5.11 5.43	4.81		H.B.	S. P.
437 451 466		050 390 395		: : :		P.R.	22
14.9 17.1 19.4	13.	6.90 7.45 8.70				В.	S. P.
466 476 491		0 432 0 432 0 435				P. M.	21/2"
16.7 18.9 21.2		8.60 9.16 10.3				В.	' S. P.
505 518		0 476 6 476 476				P. M.	ဖု
20.9 23.6	15 16	10.4 10.9 12.0	မ္း	<u> </u>		В.	S. P.

No. 3 Type HV Fan, Double Width, Double Inlet

46,440 49,536 52,632	37,152 40,248 43,344	29,412 30,960 34,056	24,768 26,316 27,864	20,124 21,672 23,220	15,480 17,028 18,576	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
: : :			198 207 216	174 182 190	153 159 166	R. P. M.	1/2" S.
: : :			3.42 4.16 4.73	2.21 2.60 3.00	1.51 1.51 1.79	В. Н. Р.	ÿ. 'P
<u> </u>	: : : : : :	239 247	214 223 231	192 199 207	176 181 187	P. M.	%" S.
		6.03 6.76	4.07 4.56 5.29	2.60 2.94 3.42	1.95 2.29	В. Н. Р.	.
	294	252 259 277	229 236 245	209 216 221	199 204	R. P. M.	1/2" 8
	11.4	$\begin{array}{c} 6.51 \\ 7.33 \\ 9.35 \end{array}$	4.49 5.04 5.69	3.02 3.34 3.91	2.37 2.60	В. Н. Р.	S. P.
	303 319	263 270 286	244 249 256	226 229 238	220 224	Р. М.	5%" 8
	12.1 14.7	7.08 7.98 9.77	4.89 5.54 6.26	3.42 3.82 4.41	2.77 3.11	В.	S. P.
	317 331 346	276 284 298		246 249 254	242 243	P. M.	8/1"
	12.9 15.8 19.0	7.73 8.57 10.6	5.54 6.20 6.91	3.99 4.47 4.89	3.17 3.59	В.	S. P.
368 386	324 339 353	287 296 309	271 276 281	261 264 267	259	P. M.	%
22.9 26.9	13.4 16.3 19.5	8.30 9.28 11.1	6.68 7.64	4.41 4.89 5.38	3.91	B. H. P.	s. P
378 398 415	333 347 363	301 306 319	284 289 294	279 279 283	279	P. M.	1" S.
23.9 28.6 32.6	14.2 17.1 20.3	$9.11 \\ 9.93 \\ 11.9$	6.51 7.31 8.15	4.89 5.54 6.03	4.56	В.	P.
396 413 431	351 365 381	322 329 339	314 314 319	311 311 312		P. M.	11/4"
26.0 30.2 35.1	15.8 18.7 22.1	10.2 11.1 13.0	7.81 8.46 9.37	6.20 6.59 7.16		В.	S. P.
411 427 445	374 386 398	350 355 363	343 343 346	343		P. M.	11/2"
27.7 31.9 37.2	17.6 20.6 23.9	11.8 12.6 15.0	9.37 10.2 10.9	7.81 8.46		В. Н. Р.	s. P
426 441 458	391 401 414	374 376 383	370 370 370	370		P. M.	184"
33.4 38.6	19.2 22.1 25.6	13.0 14.2 16.6	10.7 11.4 12.2	10.1		l E	is P
444 458 473	409 418 430	394 396 401	394 394 394			3. R. P. M. 1	2" S.
31.3 35.9 40.7	20.9 23.9 27.5	14.5 15.6 18.3	12.2 12.9			В.	. P
473 483 498	448 454 464	438 438 442	439 438	0.1		B. R. R. P. M.	21/2 "
35.1 39.7 44.5	24.6 27.7 30.9	18.1 19.2 21.6	16.0 17.1			В.	"S. P.
505 513 526	485 490 495	483 483 483			: : :	P. M.	3, 8
39 49 49	28.4 31.5 35.1	21.8 25.2	20.6	:::	:::	В.	S. P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. Wheel Diameter-39". Wheel Circumference-10.20 ft.

No. 31/4 Type HV Fan, Single Width, Single Inlet

27,225 29,040 30,855	21,780 23,595 25,410	17,243 18,150 19,965	14,520 15,428 16,335	11,798 12,705 13,613	9,075 9,983 10,890	Feet per Min.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet
::	: ; :	:::	174 182 188	154 160 168	136 142 146	P.M.	"
: :			1.86 2.18 2.50	1.22 1.45 1.68	.68 .82 1.04	B.P.	S.P.
::	:::	210 216	190 196 204	172 176 184	158 162 170	P.M.	<i>%</i> ,
: : :	:::	6.20	2.22 2.50 2.88	1.45 1.68 1.91	1.09 1.32	H.P.	S.P.
: : :	258	222 228 242	204 208 216	188 192 196	178 180 182	P.M.	3/3/"
	6.15	3.55 3.95	2.50 2.72 3.18	1.64 1.86 2.14	1.14 1.82 1.55	B H.P.	S.P.
: : :	266 280	234 240 254	218 222 226	204 206 210	198 198 200	P.M.	%"
	6.62 8.00	3.85 4.38 5.35	2.72 3.18 3.45	1.86 2.06 2.50	1.39 1.59 1.68	B H.P.	S.P
::	276 292 306	244 252 262	230 236 240	220 222 226	220 220	P.M.	34"
	7.10 8.55 10.15	4.28 4.72 5.82	3.10 3.45 3.82	2.14 2.45 2.70	1.72 2.00	H.P.	S.P.
328	288 302 314	256 262 274	242 244 252	236 236 240	236	P.M.	7%"
12.46 14.56	7.57 9.00 10.70	4.55 5.17 6.18	3.40 3.68 4.10	2.46 2.70 3.00	2.18	вн.р.	S.P
336 350 364	296 308 324	266 272 282	254 258 262	252 252 252	254	P.M.	1" 8
12.9 15.1 17.4	7.95 9.45 11.0	4.88 5.45 6.62	3.62 4.00 4.35	2.70 2.95 3.28	2.50	B H.P.	S.P.
354 366 380	314 326 340	290 292 304	280 284 286	286 284 280	:::	P.M.	11/4"
14.30 16.35 18.80	8.80 10.46 12.20	5.62 6.12 7.50	4.33 4.63 5.17	3.40 3.62 3.90		В H.P.	S.P.
364 378 392	330 342 354	310 312 322	308 308 308	312 310	:::	P.M.	11/2"
15.20 17.40 20.00	9.35 11.10 12.90	6.27 7.00 8.18	4.90 5.37 5.82	4.32		B H.P.	S.P.
380 394 406	348 358 368	332 332 340	336 332 332	S3: :	:::	P.M.	1%"
16.30 18.60 21.20	10.47 12.10 14.10	7.07 7.72 8.90	5.72 6.15 6.60	o1 : :		B H.P.	S. P.
394 408 418	364 374 384	356 358 360	362 360 358	:::	:::	P.M.	2"
17.30 19.80 22.50	11.20 13.00 15.10	7.95 8.68 9.90	6.62 7.05 7.50			H.P.	S.P.
420 430 444	398 406 412	404 398 398	408 406	:::	:::	P.M	21/2"
19.30 21.80 25.00	13.10 14.90 17.10	9.90 10.45 11.60	9.38			H.P.	S.P.
448 458 466	434 436 442	446 442 436	44::	:::	: : :	P.M.	3" S.P.
21.40 24.3 27.2			11.30				

No. 31/4 Type HV Fan, Double Width, Double Inlet

Volume Velocity C.F. M. 4."S. P. 9."S. P. 9."S. P. 9."S. P. 9."S. P. 3."S. P. 1."S. P. 1.4"S. P. 1								
R. B. R. B.<	54,450 58,080 61,710	43,500 47,190 50,820	34,486 36,300 39,930	29,040 30,856 32,670	23,596 25,410 27,226	18,150 19,966 21,780	C. F. M.	Volume
S. P. 38"S. P. 12"S. P. 98"S. P. 34"S. P. 78"S. P. 11"S. P. 114"S. P. 114" B. R. R. B. R. R. B. R. R. B. R. B. R. B. R.	3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	·	Outlet Velocity
P. %"S. P. ½"S. P. ½"S. P. ½"S. P. ½"S. P. ½"S. P. 1½"S. P. <td></td> <td></td> <td>:::</td> <td>177 185 191</td> <td>156 162 171</td> <td>138 144 148</td> <td></td> <td>N. 8</td>			:::	177 185 191	156 162 171	138 144 148		N. 8
96" S. P. 3/8" S. P. 9/8" S. P. 3/8" S. P. 1/8" S. P. 1/8" S. P. 1/4" S.						1.72 1.72 2.18	В.	3. P.
P. P. P. M. H. P. P			213 219	193 199 207	175 179 187		P.R.	%"
No. 96" S. P. 34" S. P. 78" S. P. 11" S. P. 114" S. P.			6.72 7.56	4.66 5.25 6.05	3.05 3.53 4.01	1.81 2.29 2.77	B. P.	3. P.
B. P. 98" S. P. 34" S. P. 78" S. P. 11" S. P. 114" S. P.		262					ξ×	7,
98" S. P. 34" S. P. 18" S. P. 11" S. P. 114" S. P.<		12.9	7.46 8.30 10.0	5.25 5.71 6.68	3.44 3.91 4.49	2.77 2.77 3.26	H.H	S. P.
B. P. 3/4" S. P. 1" S. P. 11/4" S. P.	: : :	270 284					P. M.	8,
3/4" S. P. 3/8" S. P. 1" S. P. 1 ½" S. P. 1½" S. P.		13.9 16.8	8.09 9.20 11.2	5.71 6.68 7.25	3.91 4.33 5.25	2.92 3.53	В.	S. P.
B. R. B. P. M. H. P. M. H. P. P. M. H. P.		280 296 311					P. M.	3/4"
78" S. P. 1" S. P. 11%" S. P. N. M. H. P. P. M.		14.9 18.0 21.3	8.99 9.91 12.2	6.51 7.25 8.02	5.15 5.67	3.61 4.2 0	В.	S. P.
H. P. P. M. H. P. P. M. H. P. P. M. 4.58 258 5.57 290 7.14 5.67 256 6.29 288 7.60 317 6.39 318 7.73 262 8.40 288 9.72 313 8.61 290 10.9 313 9.56 270 11.4 290 10.9 313 9.56 270 11.4 290 15.8 327 13.0 286 13.9 309 15.8 327 13.0 286 13.9 309 15.8 327 22.5 329 31.3 34.3 38.5 38.6 38.5 38.6 39.5 38.6 39.5	333	292 307 319					Ī	%,
1" S. P. 114" S. P. 114" R. B. R. H. P. M. H. P. P. M. 258 5.67 290 7.14 256 5.67 290 7.14 256 6.20 284 9.09 313 262 8.40 288 9.72 313 266 9.14 290 10.9 313 270 10.2 294 11.9 317 286 13.9 309 15.8 327 329 23.1 345 25.6 359 38.5 38.5 38.5 38.5 38.5 38.5 38.5 38.5	26.2 30.6	15.9 18.9 22.5	9.56 10.9 13.0	7.14 7.73 8.61	5.67 6.30		H _H	S. P.
B. P. N. H. P. P. M. 5.25 5.25 6.20 288 7.14 6.20 288 9.72 313 8.40 288 9.72 313 9.14 290 10.9 313 11.4 298 11.9 317 13.9 309 15.8 309 318 331 220 317 331 342 331 343 343 343 343 343	341 355 369	300 313 329				258	P. M.	1, 5
11/4" S. P. 11/4" R. B. P. M. H. P. P. M. 288 7, 60 317 288 9, 72 313 290 10.9 313 290 11.9 317 290 15.8 327 345 25.6 357 345 25.6 357 34.3 38.6 39.5 39.8	27.1 31.7 36.5	16.7 19.8 23.1	10.2 11.4 13.9	7.60 8.40 9.14	6.20 6.89		в.	3. P.
S. P. 11/4* H. P. M. H. P. N. 7.14 7.14 7.14 7.14 7.14 7.19 9.09 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.72 313 9.73 314 325 335 336 336 336 3384 3384	359 371 386	319 331 345	294 298 309				P. M.	11/4
11/4* P. M. 3117 3117 3117 3117 3118 3117 3118 3117 3118 3118	30.0 34.3 39.5	18.5 22.0 25.6	11.8 12.9 15.8	9.09 9.72 10.9	7.14 7.60 8.19		в.	s. p.
S. P. H. B. H. II. II. 3. 9. 5. 5. 1. 1. 1. 2. 2. 1. 1. 2. 2. 2. 1. 1. 2. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	369 384 398	335 347 359	315 317 327				P. M.	1%
63,	31.9 36.5 42.0	19.6 23.3 27.1	13.2 14.7 17.2	10.3 11.3 12.2	9.07 9.56		В.	'S. P.
	386 400 412	353 363 374	337 337 345	341 337 337	ω: ;		1	1%4
R. B. P. P. R. S. P. P. R. S. M. H. P. P. R. S.	34.2 39.1 44.5	22.0 25.4 29.6	14.8 16.2 18.7	12.0 12.9 13.9			В.	ļφ.
P. R. 27	400 413 423	369 380 390	361 363	367 365 363			P. M.	2"
H. B. H. B. 113.9 114.88 17.22.5 5 331.7.3331.7.33311.7.33311.7.7.33311.7.33311.7.33311.7.7.33311.7.7.3311.7.7.7.7	36.3 41.6 47.3	23.5 27.3 31.7	16.7 18.1 20.8				В.	S. P.
P. M. P. M. 414 412 410 410 410 410 410 410 410 410 410 410		404 412 418	410 404 404	414 412			P. M.	21/2"
S. P. H. B. 118.6 19.7 20.8 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	40.5 45.8 52.5	27.5 31.3 35.9	20.8 21.9	18.6			щ.	's. P.
P. M. 3* 455 M. 453 M. 4493 M.	455 465 473							
S. P. H. B. H. P. 225.4.8 8.7.	44.9 51.0 57.1	31.9 35.7	2222				H.	s. P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs., per cu. ft. Wheel Diameter 421/4". Wheel Circumference 11.05 ft. When fans are equipped with vortex, increase speed 4%.

No. 31/2 Type HV Fan, Single Width, Single Inlet

31,650 33,760 35,870	25,820 27,430 29,540	20,045 21,100 23,210	16,880 17,935 18,990	13.715 14.770 15,825	10,550 11,605 12,660	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1800 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			161 168 174	143 149 156	126 132 136	P. M.	%" s.
			2.17 2.54 2.90	1.43 1.69 1.95	.80 .95 1.22	В. Н. Р.	Ħ
		195 201	177 183 189	160 164 170	147 149 153	R. Р. М.	%"
		3.70 4.17	2.59 2.90 3.33	1.69 1.96 2.22	1.27 1.27 1.53	В. н. Р.	S. P.
	240	206 212 227	189 194 199	174 178 183	166 168 170	В. Р. М.	7,7
	7.13	4.12 4.60 5.80	2.90 3.17 3.70	1.90 2.16 2.48	1.53 1.53 1.80	В. Н. Р.	S. P.
	248 261	216 223 235	202 206 210	189 192 195		R. P. M.	1,1%
	7.70 9.30	4.49 5.06 6.23	3.17 3.70 4.01	2.16 2.54 2.90	1.59 1.85	В. Н. Р.	S. P.
	256 271 284		215 219 223	204 206 210	204	P.R.	X,
	8.25 9.90 11.7	4.96 5.50 6.75	3.59 4.01 4.44	2.48 2.85 3.17	2.01	H. P.	S. P.
305	267 280 292	234 254 254 254 254	225 227 233	219 219 223	219	P. M.	"%"
14.5 16.9	8.75 10.5 12.5	5.28 6.02 7.18	3.96 4.28 4.75	2.85 3.17 3.49	2.54	В.	S. P.
311 325 338	275 286 300	248 253 263	235 240 244	233 233 233	236	Р. М.	1" S.
15.0 17.5 20.4	9.25 11.0 12.8	5.65 6.35 7.71	4.23 4.65 5.07	3.17 3.43 3.80	2.90	В. Н. Р.	S. P.
328 340 353	292 303 315	269 271 282	261 263 265	263 261		P. M.	11/1"
16.6 19.0 21.8	10.3 12.2 14.2	6.55 7.13 8.70	5.02 5.39 6.01	3.96 4.23 4.55		В.	'S. P.
338 351 364	307 317 328	288 290 298	286 286 286	289 288		P. M.	11,5"
17.6 20.3 23.2	10.9 12.9 15.0	7.30 8.15 9.50	5.70 6.23 6.77	5.02		В. Н. Р.	S. P.
353 366 376	323 332 342	309 309 315	311 309 309	31 31 31		P.R.	1%"
19.0 21.7 24.6	12.2 14.1 16.4	8.25 8.98 10.4	6.65 7.13 7.65	6.35		В.	S. P.
366 378 388	338 346 357	330 332 334	336 334 332			B. R. H. P. P. M.	2,, 2
20.1 23.0 26.1	13.1 15.1 17.5	9.25 10.1 11.5	7.70 8.19 8.70			B. H. P.	S. P.
391 399 412	370 375 382	374 370 370	378 376			P. M.	21/2"
22.4 25.4 29.0	15.2 17.3 19.9	12.5 13.5	10.3			В.	S. P.
416 425 433	407 407 410	414 410 407				P. M.	3′′ 8
25.0 28.2 31.7		13.7 14.3 15.9	₩::			В.	S. P.

No. 31/2 Type HV Fan, Double Width, Double Inlet

63,300 67,520 71,740	50,640 54,860 59,080		33,760 35,870 37,980	27,430 29,540 31,650		C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
: : :			163 171 177	145 151 158	128 134 138	R. P. M.	3 "%
			4.56 5.33 6.09	3.00 3.55 4.10	1.68 2.00 2.56	В. Н. Р.	'S. P.
<u> </u>	<u> </u>	198 204	180 186 192	162 166 173		В. Р. М.	% 8
	244 15.0	7.77 8.76	5.44 6.09 6.99	3.55 4.12 4.66	2.10 2.67 3.21	В. н. Р.	'S. P.
:::	244	209 215 230	192 197 202	177 181 186	168 171 173	P. M.	1/2" S
	15.0	8.65 9.66 12.2	6.09 6.66 7.77	3.99 4.54 5.21	3.21 3.78	В. Н. Р.	'S. P.
: : :	252 265		205 209 213	192 195 198		R. P. M.	%" S. P.
	16.2 19.5	9.43 10.6 13.1	6.66 7.77 8.42	4.54 5.33 6.09	3.34 4.10	В. Н. Р.	s. P.
	260 275 288		218 222 226	207 209 213		P. M.	¾" S. P.
	17.3 20.8 24.6	10.4 11.6 14.2	$7.54 \\ 8.42 \\ 9.32$	5.21 5.99 6.66	4. 22 4.87	В.	ў. Р .
	271 284 296	*****	228 230 236	222 222 226	222	P. M.	%" S. P.
30.5 35.5	18.4 22.1 26.3	111.1 112.6 115.1	8.32 9.98	7.33	222 5.88	В. Н. Р.). P.
1	279 290 305		239 244 248	236 236		R. P. M.	1" S. P.
31.5 36.8 42.8	19.4 23.1 24.8	13.9 16.2	8.88 9.77 10.6	6.66 7.20 7.98	6.09	B. H. P.	P.
333 345 358	296 308 320	273 275 286	265 267 269	269 267 265	6.09	Р. М.	11/4" (
34.9 39.9 45.8	21.6 25.6 29.8	13.8 15.0 18.3	10.5 11.3 12.6	9 8 8 3 2 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	<u> </u>	В.	S. P
343 356 369	312 322 333		290 290	293 292		P. M.	11/2" S. P.
37.0 42.6 48.7	22.9 27.1 31.5	15.3 17.1 20.0	12.0 13.1 14.2	10.5 11.1		В.	S. P.
358 371 382	328 337 347		316 314 314	318		R. B. R. P. M.	1%"
39.9 45.6 51.7	25.6 29.6 34.4	17.3 18.9 21.8	14.0 15.0 16.1	13.3		В.	s. P.
371 384 394	343 351 362	337 339	341 339 337			R. B. P. H. P.	2″ S.
42.2 48.3 54.8	27.5 31.7 36.8	19.4 21.2 24.2	16.2 17.2 18.3			В. Н. Р.	۳,
397 405 418	376 381 388	380 376 376	384 382		: : :	P. M.	21/2"
47.0 53.3 60.9	31.9 36.3 41.8	24.2 25.6 28.4	21.6 22.9			В. Н. Р.	S. P.
422 431 440	413 416	420 416 413	422			B. R. R. P. M.	3, S.
52.5 59.2 66.6	37.2 41.6 46.6	28.8 30.0 33.4	27.7			В.	. P

NOTE The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-451/2". Wheel Circumference-11.90 ft.

No. 4 Type HV Fan, Single Width, Single Inlet

41,310 44,064 46,818	33,048 35,802 38,556	26,163 27,540 30,294	22,032 23,409 24,786	17,901 19,278 20,655	13.770 15.147 16,524	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			141 147 153	125 131 136	111 116 120	P.R.	X"
			2.82 3.31 3.80	1.86 2.21 2.55	1.25 1.25	В.	S. P.
		171 176	155 160 166	140 143 149	129 131 134	P. M.	%,
		4.83	3.35 4.34	2.55 2.90	1.31 1.66 2.00	B. H. P.	S. P.
	210	180 185 197	165 169 175	152 156 160	146 147 149	₽. ₩.	7,
	9.30	5.38 6.00 7.60	3.79 4.13 4.83	2.48 2.83 3.24	1.72 2.00 2.35	В.	S. P.
	217 228	189 195 206	177 180 184	166 168 171	162 162 164	P.M.	8,
	10.1 12.2	5.87 6.62 7.45	4.13 4.83 5.25	2.83 3.31 3.80	2.07 2.41 2.55	в.	S. P.
	224 238 248	199 204 213	188 191 195	179 180 184	7 179 179	P. M.	1/2
	10.8 13.0 15.5	6.50 7.18 8.85	5.24 5.80	3.24 3.72 4.14	2.62 3.03	В.	S. P.
267 278	233 245 255	208 213 223	197 199 204	191 192 195	191	Р. М.	7%"
19.2 22.1	11.5 13.7 16.3	6.90 7.87 9.40	5.17 5.60 6.20	3.72 4.13 4.55	3.31	В.	S. P.
272 284 296	240 250 262	217 221 230	7 206 210 214	204 204	206	P. R.	1,"
19.6 22.9 26.5	12.1 15.1 16.7	7.40 8.28 10.1	5.52 6.07 6.62	4.14 4.49 4.97	3.79	В.	S. P.
287 298 309	255 265 276	236 238 246	228 230 232	232 230 228		P. R.	11%"
21.7 24.8 28.6	13.4 15.8 18.5	8.55 9.30 11.4	6.55 7.03 7.86	5.17 5.52 5.93		в.	S. P.
296 307 318	268 278 287	252 254 261	250 250 250	253 252		P. M.	11/2"
28.0 26.5 30.3	14.2 16.8 19.6	9.24 10.6 12.4	7.45 8.13 8.82	6.55		в. . н. р.	"S. P.
309 320 329	282 290 299	270 270 276	5 272 3 270 2 270	5	:::	P. M.	1%"
24.8 28.3 32.1	15.9 18.4 21.4	10.8 11.7 13.5	8.70 9.30 10.0	œ: :		в.	S. P.
320 331 340	296 303 312	289 290 292	0 294 292 290			P. M.	12
26.2 30.1 34.0	17.1 19.7 22.9	12.1 13.1 15.0	10.1 10.7 11.4			В.	S. P.
342 349 360	324 329 334	327 324 324	331 328			P.R.	21%"
29.2 33.1 37.9	19.9 22.6 25.9	15.0 15.9 17.7	14.25			B. R H. P. P. 1	' S. P.
364 371 379	355 355 355	362 359 355	364			P.R.	3,
32 41	23 25 29	17 20	77: :			H.B.	S. P

No. 4 Type HV Fan, Double Width, Double Inlet

82,620 88,128 93,636	66,096 71,604 77,112	52,316 55,080 60,588	44,064 46,818 49,572		27,540 30,294 33,048	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
: : :	: : :	:::	143 149 155	126 132 138	112 117 121		14" S
			5.92 6.95 7.98	3.91 4.64 5.36	3.63 3.4		S. P.
		173	157 162 168		130 132 136	I :	%" S
		10.1	7.04 7.98 9.11	4.64 5.36 6.09	2.75 3.49 4.20	В.	s. P.
<u> </u>	213	182 187 199	167 171 177		148 149 151	1	1/2" S. P.
<u> </u>	19.5 220	11.3 12.6 16.0	7.96 8.67 10.1	5.21 5.94 6.80	3.61 4.20 4.94		F.
<u> </u>	220 231	191 197 209	179 182 186	168 170 173	164 164 166	P. R.	% " s.
<u> </u>	21.2 25.6	12.3 13.9 15.6	8.67 10.1 11.0	5.94 6.95 7.98	5. 3 5.35	В. Н. Р.	.₽
<u> </u>	227 241 251	201 207 216				P. M.	% ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °
	22.7 27.3 32.6	13.7 15.1 18.6	9.85 11.0 12.2	6.80 7.81 8.69	5.50 6.36	В.	S. P.
•	236 248 258		199 201 207	193 194 197	193	P. M.	7%, 8
40.3 46.4	24.2 28.8 34.2	14.5 16.5 19.7	10.9 11.8 13.0	7.81 8.67 9.56	6.95	В.	S. P.
276 288 300	243 253 265	220 224 233	209 213 217	207 207 207	209	P. M.	1" S.
41.2 48.1 55.7	25.4 31.7 35.1	15.5 17.4 21.2	11.6 12.7 13.9	8.69 9.43 10.4	7.96	В.	. р.
291 302 313	258 268 280	239 241 249	231 233 235	235 233 231		Р. М.	11/
45.6 52.1 60.1	28.1 33.2 38.9	18.0 19.5 23.9	13.8 14.8 16.5	10.9 11.6 12.5		В.	S. P.
300 311 322	272 282 291	255 257 264	253 253 253	256 255		P. M.	11/2" S. P.
48.3 55.7 63.6	29.8 35.3 41.2	19.4 22.3 26.0	15.6 17.1 18.5			R. B. R. P. M.	
	286 294 303	274 274 280				P. M.	13/4"
52.1 59.4 67.4	33.4 38.6 44.9	22.7 24.6 28.4	18.3 19.5 21.0	17.4		В.	s. P.
324 335 345	300 307 316	293 294 296	298 296 294			P. M.	2* S.
55.0 63.2 71.4	35.9 41.4 48.1	27.5 31.5	21.2 22.5 23.9			В.	₽.
347 354 365	3333 3333 3333 3333	331 328 328	335 332			P. M.	21/2"
61.3 69.5 79.6	41.8 47.5 54.4	31.5 33.4 2	28.4 29.8			В.	s. P.
369 376 384	358 360 364	367 364 360	369			P. M.	3" 8
68.3 77.3 86.9	53.8 60.9	37.6 39.1 43.5	36.3			В.	S. P.

NOTE—The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. Wheel Diameter-52". Wheel Circumference-13.60 ft.

No. 4½ Type HV Fan, Single Width, Single Inlet

52,200 55,680 59,160	41,760 45,240 48,720	33,060 34,800 38,280	27,840 29,580 31,320	22,620 24,360 26,100	17,400 19,140 20,880	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			126 130 136	111 116 121	98 103 106	В. Р. М.	X",
			3.57 4.18 4.78	2.35 2.80 3.22	1.31 1.57 2.00	В. Н. Р.	S. P.
		152 156	137 142 147	124 127 132	114 116 119	P. M.	3/1/2
		6.87	4.27 4.79 5.48	2.79 3.22 3.65	1.65 2.09 2.52	в.	S. P.
	186	160 165 175	147 150 155	135 139 142	129 131 132	P. M.	7,"
	11.7	6.78 7.58 9.58	4.79 5.22 6.09	3.13 3.57 4.05	2.17 2.52 2.96	в.	S. P.
	193 205	168 173 183	157 160 163	147 149 152	144 144 145	P. M.	5%''
	12.7 15.3	$\begin{array}{c} 7.40 \\ 8.35 \\ 10.3 \end{array}$	5.22 6.10 6.62	3.57 4.18 4.78	2.61 3.05 3.22	н. В.	S. P.
	199 210 220	176 181 189	167 170 173	158 160 163	158 158	P. M.	%
	13.6 16.4 19.5	8.17 9.05 11.1	5.92 6.61 7.30	4.70 4.70 5.22	3.30 3.83	В. Н. Р.	S. P.
237 247	207 218 227	184 189 198	175 177 181	170 171 173	170	P. M.	7%"
24.2 27.9	14.5 17.2 20.5	8.70 9.92 11.8	6.52 7.04 7.83	4.70 5.22 5.74	4.18	В.	S. P.
242 253 264	214 222 233	193 196 204	183 186 189	181 181	183	P.R.	1"
24.7 28.9 33.4	15.2 18.0 21.1	9.32 10.4 12.5	6.96 7.66 8.35	5.23 6.26	4.79	В. н. Р.	S. P.
255 274	227 235 245	209 211 219	203 204 206	206 204 203		P. M.	11/4"
27.4 31.3 36.0	16.9 20.0 23.3	10.8 111.7 14.4	8.27 9.92	6.52 6.96 7.48		В. Н. Р.	'S. P.
263 272 282	238 247 255	2223 2325	7 222 8 222 2 222	8 225 223		P. M.	11,4,"
29.1 38.4	17.9 21.2 24.7	12.0 13.4 15.7	9.40 10.3 11.1	8.27		B. H. P.	'S. P.
274 284 292	251 258 266	240 240 245	0 242 240 240	7		P.R.	1%"
31.4 35.7 40.6	20.0 23.2 27.0	13.6 14.8 17.0	11.1 11.8 12.5	10.4		В.	'S. P.
284 294 303	252 269 277	256 258 259	261 260 258	: : :		P. M.	2,,
33.1 37.9 43.0	21.6 24.9 28.9	15.2 16.5 19.0	12.7 13.5 14.4	: : :		В.	S. P.
304 310 320	287 292 297	290 287 287	294 292		· · · · · · · · · · · · · · · · · · ·	P.R.	21/5"
36.9 41.7 47.9	25.1 28.5 32.7	20.0 22.3	17.0 17.9			В.	" S. P.
323 330 336	315	321 318 315	323	::::	: : :	P.M.	3,
ن پ ر	TO CE	U. 35 P	3 21.7	: : :	<u> </u>	л. В. В. Р.	ß

No. 41/2 Type HV Fan, Double Width, Double Inlet

104,400 111,360 118,320	83,520 90,480 97,440	66,120 69,600 76,560	55,780 59,160 62,640	45,240 48,720 52,200		C. F. M.	Volume	
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity	
: : :			128 132 138	113 118 123	105 108	R. P. M.	1/4" \$	
: : :			7.50 8.78 10.0	4.94 5.88 6.76	2.75 3.30 4.20	В.	S. P.	
		154 158	139 144 149	126 129 134	116 118 121	R. P. M.	3%,	
: : :	:::	12.8 14.4	8.97 10.1 11.5	5.86 6.76 7.67	3.47 4.39 5.29	В.	S. P.	
	189	162 167 178	149 152 157	137 141 144	131 133 134	R. P. M.	1/2"	
: : :	24.6	14.2 15.9 20.1	10.1 11.0 12.8	6.57 7.50 8.51	5.29 6.22	в. н. р.	S. P.	
	196 208	171 176 186	159 162 165	149 151 153	146 146 147	P. M.	%	
	26.7 32.1	15.6 17.6 21.6	11.0 12.8 13.9	7.50 8.78 10.0	5.48 6.41 6.76	B. H. P.	S. P.	
:::	202 213 223	179 184 192	170 173 176	160 162 165	160 160	R. P. M.	8/1" 5	
	28.6 34.4 41.0	17.2 19.0 23.3	12.4 15.3	8.59 9.87 11.0	6.93 8.04	В.	S. P.	
241 251	210 221 230	187 192 201	178 180 184	173 174 176	173	P. M.	7%"	
50.8 58.6	30.5 36.1 43.1	18.3 20.8 24.8	13.7 14.8 16.4	9.87 11.0 12.1	8.78	В.	S. P.	
246 257 268	217 225 236	196 199 207	186 189 192	184 184 184	186	P.R.	1" S.	
51.9 60.7 70.1	31.9 37.8 44.3	19.6 21.8 26.3	14.6 16.1 17.5	11.0 11.9 13.1	10.1	В.	۳.	
259 269 278	230 239 249	212 214 222	206 207 209	209 207 206		P. M.	1¼"	
57.5 65.7 75.6	35.5 42.0 48.9	22.7 24.6 30.2	17.4 18.7 20.8	13.7 14.6 15.7		В.	S. P.	
267 276 286	244 251 259	226 228 235	225 225 225	228 226		P. M.	11/2"	
61.1 70.1 80.4	37.6 44.5 51.9	25.2 28.1 33.0	19.7 21.6 23.3	17.4 18.3		В.	S. P	
278 288 296	255 262 270	244 244 249	246 244 244	248		P. M.	1%"	
65.9 75.0 85.3	42.0 48.7 56.7	28.6 31.1 35.7	23.3 24.8 36.3	21.8		В. Р.	S.P.	
288 298 308	266 273 281	262 263 263	265 264 262	: : :		P. M.	2* 5	
69.5 79.6 90.3	45.4 52.3 60.7	34.7 39.9	26.7 28.4 30.2			В.	S. P.	
309 315 325	291 296 301	294 291 291	298 296			P. M.	21/2"	
77.5 87.6 101	52.7 59.9 68.7	39.9 42.0	35.7 37.6			В.	S. P.	
328 335 341	318 320 324	326 323 320	328			P. M.	<u>ي</u> س	
86.3 97.7 110	68.3 76.7	47.7 49.4 54.8				В.	S. P.	
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NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-581/2". Wheel Circumference-15.30 ft.

No. 5 Type HV Fan, Single Width, Single Inlet

64,500 68,800 73,100	51,600 55,900 60,200	40,850 43,000 47,300		27,950 30,100 32,250	21,500 23,650 25,800	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
	: : :		113 118 122	100 104 109	988	R. P. M.	<i>%</i> " s.
			4.41 5.16 5.92	2.90 3.44 3.96	1.61 1.93 2.47	В.	ў. P
		137 141	124 128 132	112 115 119	105 107	P. M.	3%" 5
		7.53 8.50	5.27 5.92 6.78	3.45 3.96 4.52	2.04 2.58 3.12	В. Н. Р.	S. P.
	168	144 149 158	132 135 1 29	122 125 128	116 118 119	P. M.	7,
	4	8.40 9.35 11.8	5.92 6.45 7.54	3.87 4.41 5.07	2.69 3.12 3.65	В.	S. P.
	174 182	152 156 165	140 144 147	132 134 137	129 129 131	R. P. M.	3%;
	15.7 18.9	9.15 10.3 12.7	6.45 7.54 8.17	4.41 5.16 5.91	3.23 3.77 3.98	В.	S. P.
	179 190 199	159 163 171	150 156	143 144 147	143 1 43	Р. М.	3/4"
	16.8 20.2 24.1	10.1 11.2 13.8	7.32 8.18 9.03	5.05 6.46	4.09	В. Н. Р.	S. P.
213 222	187 196 205	166 171 178	157 169 163	153 154 156	158	P. M.	7%"
29 9 34 4	17.8 21.3 25.4	10.8 12.3 14.6	8.07 8.71 9.67	5.80 6.45 7.10	5.16	В. Н. Р.	S. P.
217 228 237	192 200 210	174 177 184	165 168 171	163 163 163	165	R. P. M.	1" S.
30.6 35.7 41.3	18.8 22.4 26.0	11.5 12.9 15.5	8.60 9.46 10.3	6.45 7.00 7.75	5.92	В. Н. Р.	F
230 238 247	204 212 220	188 190 197	182 183 185	185 184 182		R. P. M.	1%"
33.8 44.5	20.9 24.7 28.9	13.3 14.5 17.7	10.2 11.0 12.3	8.07 8.60 9.25		В. Н. Р.	S. P.
237 246 254	215 222 229	201 203 209	200 200 200	202 201		P. M.	11/2"
35.9 41.3 47.4	26.2 30.5	14.8 16.6 19.3	11.6 12.7 13.8	10.2		В. Н. Р.	S. P.
247 256 263	226 232 240	216 216 220	218 216 216	220		P. M.	1%"
38.6 44.0 50.1	24.7 28.6 33.3	16.8 18.3 21.1	13.6 14.5 15.6	12.9		В. Н. Р.	S. P.
256 265 272	237 242 250	230 232 233	235 234 232			P. M.	2′′ S.
40.8 46.8 53.0	26.7 30.8 35.7	18.8 20.4 23.5	15.7 16.7 17.8			в. н. р.	S. P.
273 280 288	259 263 268	262 259 259	265 263			P. M.	21/3"
45.6 51.6 59.2	31.0 35.3 40.4	23.5 24.7 27.5	21.0 22.2			В. Н. Р.	S. P.
291 297 303	282 284 287	290 287 284	291			P. M.	8″ S.
50.8 57.4 64.5	35.9 40.2 45.2	28.0 29.0 32.3	26.9		::::	В.	P

No. 5 Type HV Fan, Double Width, Double Inlet

129,000 137,600 146,200	103,200 111,800 120,400	81,700 86,000 94,600	68,800 73,100 77,400	55,900 60,200 64,500	43,000 47,300 51,600	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
: : :		: : :	115 120 124	102 106 111	94 97	P. M.	X,
			9.26 10.8 12.4	6.09 7.22 8.32	3.38 4.05 5.19	в. н. р.	s. P.
		139 143	126 130 134	1114 1117 121	105 107 109	в. Р. М.	3%" 5
	<u> </u>	15.8 17.9	111 12.4 14.2	7.25 8.32 9.49	4.28 5.42 6.55	В. Н. Р.	s. P.
	171	146 151 160	134 137 141	124 127 130	118 120 121	R. P. M.	7%
	30.5	17.6 19.6 24.8	12.4 13.6 15.8	8.13 9.26 10.6	5.65 6.55 7.67	В. Н. Р.	s. P.
	177 185	154 158 167	142 146 149	134 136 139	131 131 133	P. M.	5%
	33.0 39.7	19.2 21.6 26.7	13.5 15.8 17.2	9.26 10.8 12.4	6.78 7.92 8.36	В.	'S. P.
: : : :	182 193 202	161 165 174	152 155 158	145 146 149	145 145	R. P. M.	*
	35.3 42.4 50.6	21.2 23.5 29.0	15.4 17.2 19.0	10.6 12.2 13.6	8.59 9.95	В.	'S. P.
216 225	190 199 208	168 174 181	159 161 165	155 156 158	155	В. Р. М.	%" S.
62.8 72.2	37.4 44.7 53.3	22.7 25.8 30.7	16.9 18.3 20.3	12.2 13.5 14.9	10.8	в. н. р.	5. P.
220 231 241	195 203 213	177 180 187	167 171 174	165 165 165	167	В. Р. М.	1″ S.
64.3 75.0 86.7	39.5 47.0 54.6	24.2 27.1 32.6	18.1 19.9 21,6	13.5 14.7 16.3	12.4	В. Н. Р.	₽.
233 242 251	207 215 223	191 193 200	185 186 188	188 187 185		P. M.	11/4"
71.0 81.5 93.5	$\frac{43.9}{51.9}$	27.9 30.5 37.2	21.4 23.1 25.8	16.9 18.1 19.4		В. Н. Р.	S. P.
241 250 258	218 225 232	204 206 212	203 203 203	205 204		R. P. M.	1½″ S. P.
75.4 86.7 99.5	46.6 55.0 64.1	31.1 34.9 40.5	24.4 26.7 29.0	21.4 22.7		В. Н. Р.	s. P.
251 260 267	229 235 244	219 219 223	221 219 219	223		R. P. M.	1¾"S. P.
81.1 92.4 105	51.9 60.1 70.0	35.3 38.4 44.3	28.6 30.5 8	27.1		в. н. р.	s. P.
260 269 276	241 246 254	233 235 236	239 238 236	27.1		B. R. B. B. H. P. M. H. P.	2" S.
85.7 98.3 111	56.1 64.7 75.0	39.5 42.8 49.4	33.0 35.1 37.4			В.	9. P.
27 28 29	263 267 272	266 263 263	269 267			R. В. Р. М. Н. Р.	2½" S. P.
7 95.8 4 108 2 124	65.1 74.1 84.8	49.4 51.9 57.8	44.1 46.6			В.	s. P.
295 301 308	286 288 291	294 291 288	295			R. B. P. M. H. P.	3" S.
107 121 135	75.4 84.4 94.9	58.8 60.9 67.8	56.5			В.	8. P.

NOTE—The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. Wheel Diameter-65". Wheel Circumference-17.0 ft.

No. 51/2 Type HV Fan, Single Width, Single Inlet

3000 3200 3400	2400 2600 2800				050 655 260	C. F. M.	me e
		1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
:::			103 107 111	91 95	80 84 87	P. M.	%" s.
			5.34 6.26 7.16	4.16 4.82	1.95 2.35 3.00	в. н. р.	. .
		124 128	112 116 120	102 108	9 4 98	P. M.	%,
		9.11 10.3	6.38 7.17 8.20	4.17 4.82 5.47	2.48 3.13 3.78	н. В.	S. P.
	152	131 135 143	120 123 127	111 113 116	106 107 109	P. M.	Z,
	17.6	10.2 11.3 14.3	7.17 7.82 9.12	4.70 5.34 6.42	3.78 3.78 4.43	в.	S. P.
	158 166	138 142 150	128 131 134	120 122 124	118 118 119	P. M.	%
:::	19.0	11.1 12.5 15.4	7.82 9.12 9.90	5.34 6.25 7.16	3.91 4.56 4.82	В. Р.	S. P.
	163 172 181	144 149 155	136 139 142	130 131 134	130 130	P. N.	X,
	20.3 29.3	12.3 13.6 16.7	8.85 9.90 10.9	6.12 7.03 7.82	5.73 7.95	в.	S. P.
194	170 178 186	151 155 162	5 143 144 149	139 140 2 142	139	P. M.	7,
36.2	21.6 25.8 31.8	13.0 14.9 17.7	9.76 10.6 11.7	7.04 7.82 8.60	6.25	В.	S. P.
198 207 215	175 182 191	158 160 167	6 150 152 155	149 149 149	150	P. R.	1,
37.0 43.1 50.0	22.8 27.1 31.5	13.9 15.6 19.0	10.4 11.5 12.5	7.82 9.38	7.16	В.	S. P.
208 217 225	186 192 201	171 172 179	166 167 168	2 168 6 167 8 166	<u> </u>	P. M.	11%"
40.8 46.7 53.7	25.3 29.8	16.2 17.6 21.5	12.4 13.3	9.75 10.4 11.2		B. H. P.	' S. P.
215 223 231	195 202 208	183 184 190	182 182 182	184 183		P. R.	11%"
43.4 49.8 57.1		18.0 20.1 23.5		12.4		В.	" S. P.
223 233 233	205 211 218	197 197 201	198 197 197	199	: : :	 P.R. K.	1%"
46.9 53.4 60.7	30.0 34.7 40.4	20 22 25 25 25 25	16.4 17.6 18.6	15.6	::::	В.	" S. P.
9 233 1 241 7 247	215 7 229 1 227	210 211 212	214 213 213	: : : : : : :	<u> </u>	P. R.	Ŋ
3 49.6 1 56.8 7 64.4	5 32.3 37.3 43.8	22.8 24.8 28.4	19.0 3 20.2 1 21.5	<u> </u>		А. Н. Р.	S. P.
6 249 8 254 4 262	235 235 243	4 8 23 5 23 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 2 241 5 239	:::		P. R.	21/2"
71 71	5 37.5 9 42.8 3 49.0	33 33	1 25.4	:::		И. Н. Р.	"S. P.
. 2 265 . 6 270 . 6 275	5 256 8 258 0 261	.4 264 .0 261 .4 258	8 265	:::	:::	P. P. M.	3,
35 61.5 70 69.6 75 78.2	56 43.5 8 48.8 1 54.7	33.9 35.2 39.1	32: :	:::	:::	M.H.B.	" S. P.

No. 51/2 Type HV Fan, Double Width, Double Inlet

156,300 166,720 177,140	125,040 135,460 145,880	98,990 104,200 114,620	83,360 88,570 93,780	67,730 72,940 78,150	52,100 57,310 62,520	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
		: : : :	105 109 113	92 96 100	88 88 88 88	В. Р. М.	<i>X</i> "
			11.2 13.1 15.0	7.39 8.74 10.1	4.94 6.30	В. Р. Р	s. P.
		126 130	114 118 122	104 106 110	96 96 56	P. M.	3/8"
		19.1 21.6	13.4 15.1 17.2	$ \begin{array}{c} 8.76 \\ 10.1 \\ 11.5 \end{array} $	5.21 6.57 7.94	в.	S. P.
: : :	154	133 137 145	122 125 129	113 115 118	108 111	Р. М.	1/2"
	37.0	21.4 23.7 30.0	15.1 16.4 19.2	9.87 11.2 13.5	7.94 9.30	В. Н. Р.	½″ S. P.
	160	140 144 152	130 133 136	122 124 126	120 129 121	P.M.	%
	39.9 48.3	23.3 26.3 32.3	16.4 19.2 20.8	11.2 13.1 15.0	8.21 9.58 10.1	н. Р. 1	's. P.
	165 175 184	146 151 157	138 141 144	132 133 136	132	P. M.	3/4"
	42.6 51.5 61.5	25.6 35.1	18. 20. 22.	12.9 14.8 16.4	10.4 12.0	В.	¾" S. P.
197	6 173 5 181 5 189	8 153 6 157 1 164	6 145 8 146 9 151	9 141 8 142 4 144	141	P.R.	1%"
76.0 87.6	45.4 54.2 66.8	27.3 31.3 37.2	20.5 22.3 24.6	16.4 18.1	13.1	в.	%" S. P.
0 201 6 210 218		3 160 3 162 2 170	5 152 8 154 6 157	8 151 1 151 1 151	1 152	P. M.	1" S.
77.7 90.5 105	47.9 56.9 66.2	29.2 32.8 39.9	21.8 24.2 26.3	16.4 17.8 19.7		В.	S. P.
7 211 5 220 228	9 189 195 2 204	2 174 8 175 9 182	8 168 170 171	171 170 168	15.0	P. M.	11/4"
85.7 98.1 113	53.1 62.6 73.1	34.0 37.0 45.2	26.0 27.9 31.5	20.5 21.8		В.	'S. P.
7 218 1 226 234	198 205 211	186 187 193	185 185	187		P.R.	11/2" 9
91. 105 120	56.1 66.4 77.5	37.8 42.2 49.4	32.3 35.1	26.0 27.5		н. в.	's. P.
228 236 243		200 200 204	2001 2001	202		B. R. H. P. P. M.	134"
98.5 112 127	63.0 72.9 84.9	43.3 46.6 53.6	34.4 37.0 39.1			В.	S. P.
236 245 251		214 214 215	217 216 214			P. M.	2,7
104 119 135	67.8 78.3 90.9	47.9 52.1 59.6	39.9 42.4 45.2			B. R. B. R. H. P. P. M. H. P. P. M.	S. P.
253 258 266	239 243 247	242 239 239	245 243			P. M.	21/2"
116 131 150	78.8 89.9 103	59.6 63.0 70.1	57.5% 6.66 6.66			В.	S. P.
269 274 279	262 265		269			B. R. B H. P. P. M. H.	3
129 146 164	91.4 102 115	71.2 73.9 82.1	68.5			В.	3" S. P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-711/2". Wheel Circumference-18.70 ft.

No. 6 Type HV Fan, Single Width, Single Inlet

92,850 99,040 105,230	74,280 80,470 86,660	58,805 61,900 68,090	49,520 52,615 55,710	40,235 43,330 46,425	30,950 84,045 87,140	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			94 98. 102	91 91	774 80	P. R.	%" S.
			6.34 7.42 8.50	4.19 4.95 5.72	2.32 2.79 3.57	В. Н. Р.	9. P.
		114 117	103 107 110	93 95 99	92 92	P. M.	3%,
		10.8 12.2	7.60 8.50 9.75	4.95 5.72 6.50	2.94 3.71 4.49	В. Н. Р.	S. P.
: : :	140	120 124 131	110 113 116	102 104 107	97 98 99	P. M.	7,
	20.9	12.1 13.5 17.0	8.50 9.30 10.8	5.57 6.35 7.28	3.87 5.26	н. в.	S. P.
	145 152	126 130 137	118 120 123	7 111 5 112 6 114	7 108 8 108 109	Р. М.	%,
	22.6 27.3	13.2 14.9 18.3	9.30 10.8 11.8	6.35 7.44 8.50	4.64 5.42 5.73	В.	S. P.
	150 158 165	133 136 142	0 125 130	5 119 4 120 0 123	2 119 3 119	P. M.	14,
	24.2 29.1 34.7	14.5 16.0 19.8	10.5 11.8 13.0	7.28 9.36	60 CO:	в.	S. P
178	156 163 170	139 141 148	131 132 136	8 128 6 128 130	128	P. M.	7,
. #2 . 55	25.7 30.6 86.5	15.5 17.6 21.0	11.6 12.5	10	7.43	В.	S. P.
6 182 5 189 1 197	7 160 6 167 5 175	145 147 153	137 139 142	.36 136 .30 136 .2 136	137	P. R.	1"
2 44.0 9 51.4 7 59.5	00 NO	5 16.6 7 18.6 3 22.6	143	110.5	œ: :	В. В.	S. P.
0 191 4 199 5 206	.2 170 .2 177	6 157 6 158 6 164	.4 152 .6 153 .9 154	.30 154 .1 153 .2 152	57: : 50: :	P. P. M.	11%"
11 48.6 9 55.7 6 64.0	41 35	25	175	11 12	:::	H.B	to
	560	6.9.2	.7 167 .8 167 .6 167	.6 .4 169 .3 168	:::	P. P. M.	. P. 1)
197 51 204 59 212 68	179 185 37 191 44	168 21 169 23 174 27	57 16 57 18 57 19	39 14.7 38 15.5			11/5" S. P.
∞4∸	0000	4000	∞ ⇔ ≺₁			۳	
206 55 213 63 219 72	188 35 194 41 200 48	180 24 180 26 184 30	181 19 180 20 180 22	183		X.	1%' 9
0046	0000	-i & o	67.60.01	18.6	:::	в. н. р. р.	. .
213 221 227 7	197 202 4 208 5	192 194 2 195 3	196 22 195 24 194 25	<u> </u>		K.	2% S.
58.9 67.5 76.5	38.4 44.8 51.4	27.1 29.4 33.7	500	<u> </u>		B. P. F	.₩
2238 240	216 219 223	222	221 8			P. M. I	21/3" S
85.4 85.2	50.8 58.3	33.6 35.6	30.2 31.9	<u> </u>		В.	S. P.
243 248 254	235 237 239	241 239 237	243	<u> </u>		P.R.	3″ S.
73.1 82.7 93.0	51.7 57.9 65.0	40.3 41.8 46.5	38.4			В. Н. Р.	3. P.

No. 6 Type HV Fan, Double Width, Double Inlet

	148,560 160,940 173,320	117,610 123,800 136,180	99,040 105,230 111,420	80,470 86,660 92,850	61,900 68,090 74,280	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
			95 99 104	928 928	75 78 81	В. Р. М.	X
			13.3 15.6 17.9	8.80 10.4 12.0	4.87 5.86 7.50	B. H. P.	'S. P.
		116 119	105 109 112	94 96 100	87 93	P. M	3%
		22.7 25.6	16.0 17.9 20.5	10.4 12.0 13.7	6.17 7.79 9.43	В.	'S. P.
: : :	142	122 126 133	112 115 118	104 106	98 100	P. M	1/2"
: : :	43.9	25.4 28.4 35.7	17.9 19.5 22.7	11.7 13.3 15.3	8.13 9.41 11.0	В.	's. P.
	147 154	128 132 139	120 122 125	113 114 116	110 110 111	P. M.	%"
: : :	47.5 57.3	27.7 31.3 38.4	19.5 22.7 24.8	13.3 15.6 17.9	9.74 11.4 12.0	B. H. P.	"S. P.
1 : :	152 160 167	135 138 144	127 129 132	121 122 125	121 121	R. P. M.	3%,
: : :	50.8 61.1 72.9	30.5 33.6 41.6	22. 1 24. 8 27. 3	15.3 17.6 19.5	12.3 14.3	в.	's. P.
181 188	158 165 173	141 143 150	133 134	130 130 132	130	R. P. M.	3.8%
89.5 104	54.0 64.3 76.7	32.6 37.0 44.1	24.4 26.3 29.2	17.6 19.5 21.4	15.6	В. Н. Р.	S. P.
185 192 200	162 170 178	147 149 155	139 141 144	138 138	139	R. P. M.	1" S. P.
92.4 108 125	57.1 67.6 78.8	$\frac{34.9}{39.1}$	$\frac{26.0}{28.6}$	19.5 21.2 23.5	17.9	В. Н. Р.	. P.
194 202 209	173 180 187	159 160 166	154 155 156	156 155 154		R. P. M.	17/1
102 117 134	63.0 74.8 87.2	40.3 43.9 53.8	30.9 33.2 37.0	24.4 26.0 27.9		H. P.	S. P.
200 207 215	182 188 194	171 172 177	170 170 170 170	172 171		P. M.	11/2"
109 125 143	67.0 79.4 92.4	44.9 50.0 58.4	35.1 38.4 41.6	30.9 32.6		В.	S. P.
209 216 222	191 197 203		184 183 183	186		₽,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	134"
117 133 152	74.8 86.5	50.6 55.2 64.3	41.0 43.9 47.3	39.1		R. B. R. B. M. H. P.	s. P.
216 224 230		195 197 198	199 198 197			P. M.	2. 8
124 142 161	80.6 93.0	56.9 61.7 70.8	47.5 50.4 53.6			В.	s. P.
231 236 244	219 222 226	221 219 219	224 222			P.R.	21/2"
138 156 179	93.7 107 122	71.0 74.8 23.2	63.4 67.0			В.	S. P.
247 252 258	239 241 243		247			P. M.	3, S.
154 174 195	109 122 137	84.6 87.8 97.7	80.6	:::	<u> </u>	н _в .	s. P.

NOTE—The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. When fans are equipped with vortex, increase speed 4%. Wheel Diameter-78". Wheel Circumference-20.40 ft.

No. 61/2 Type HV Fan, Single Width, Single Inlet

	_				<u>-</u>		1	
109,050 116,320 123,590	87,240 94,510 101,780	69,065 72,700 79,970	58,160 61,795 65,430	47,255 50,890 54,525	36,350 39,985 43,620	C. F. M.	Volume	
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity	
	: : :		87 91 94	77 80 84	68 71 73	R. P. M.	14" 8	
			$\begin{array}{c} 7.45 \\ 8.72 \\ 10.0 \end{array}$	4.90 5.82 6.72	2.73 3.27 4.18	В. н. р.	S. P.	
		105 108	95 98 102	92 92	79 81 85	R. P. M.	3%"	
	:::	12.8 14.4	8.90 10.0 11.5	5.82 6.72 7.63	3.45 4.36 5.27	В.	S. P.	
	129	1111 1114 121	102 104 108	96	91 91	Р. М.	3/	
	24.6	14.2 15.8 20.0	10.0 10.9 12.7	6.55 7.45 8.55	4.55 5.27 6.18	в. н. р.	S. P.	i
	133	117 120 127	109 1111 1113	102	8 100 8 100	P. ¤.	%	
	26.5	15.4 17.5 21.4	10.9 12.7 13.8	7.45 8.25	5.55 6.35 6.73	H. B.	S. P.	
	138 146 153	122 126 131	115 118 120	5 110 5 111 113	5 110 3 110	P. R.	*	
	28.4 34.2 40.6	17.1 18.9 23.3	12.4 15.3	8.55 9.81	8.00	в.	s. P.	
164	144 151 157	128 131 137	121 122 126	5 118 1 118 120	0 118	P. M.	%,	
: 58.8 : 58.2	30.3 36.0 42.9	18.2 20.7 24.7	13.6 14.7 16.4	10.8 12.0	8.72	В.	S.	
168 175 182	148 154 162	133 141	127 129 131	126 126 126	2 127	P. M.	μ.	
51.6 60.5 69.8	31.8 37.8 44.0	19.5 21.8 26.5	14.5 16.0	10.8 11.8 13.1	10.0	В.	S. P.	
5 177 5 183 190	3 157 163 170	145 146 152	140 142 143	143 142 140		P. M.	11%"	
7 57.2 3 65.4 75.3	7 35.2 41.8 48.7	22.5 24.5 30.0	17.3 18.5 20.7	13.6 14.5 6	: : :	В.	"S. P	l
182 189 196	165 171 177	155	154	156		P. M.	. 11/2"	
6 80.0 6 80.0	37.4 1 44.4 7 51.6	25.1 28.0 32.7	19.6 23.3	17.3		1. H. P.	" S. P.	
7 190 8 197 0 203	174 179 184	166 166 7	168 166 166	169	: : :	P. M.	. 1%"	
0 65.4 7 74.5 3 84.8	4 41.8 9 48.4 4 56.3	30.9 35.6	24.6 26.4	21:		# _{EE}	" S. P	
197 5 204 8 209	3 182 1 187 1 192	178 179 180	181 180 179			P. P. M.	12	
7 69.2 4 79.3 9 90.0	7 52.0 2 60.4	31.8 34.5 39.6	26 28.5 28.5		:::	f. H. P.	S. P.	
2 210 8 215 0 222	199 203 1 206	202 199 199	204			P. M.	21/2"	
100 100	689 89	39.6 41.8 46.5	35.4 37.5	: : :		Н. Р.	" S. P.	
.2 224 .3 229 .0 233	.3 217 .6 218 .4 221	5 223 221 218	5 4 224		: : :	P. R.	3,	
85 97 109	7 60.7 8 68.0 1 76.4	547 549	4 45.4	:::	: : :	А. Н. Р.	S. P.	
oixo∞	404	51 is	: : 4	<u>:::</u>	:::	יטי.	<u> </u>	j

No. 61/2 Type HV Fan, Double Width, Double Inlet

218,100 232,640 247,180	174,480 189,020 203,560	138,130 145,400 159,940	116,320 123,590 130,860	94,510 101,780 109,050	72,700 79,970 87,240	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
			96.88 96.88	78 81 85	69 72 74	P. M.	1,1
	: : :		15.6 18.3 21.0	10.3 12.2 14.1	5.73 6.87 8.78	В. Н. Р.	s. P.
: : :		107 110	96 99 104	87 89 93	86 86	P. M.	3%" 8
		26.9 30.2	18.7 21.0 24.2	12.2 14.1 16.0	7.25 9.16 11.1	В. Н. Р.	S. P.
: : :	131	113 116 123	104 106 110	95 97 99	90 91 92	В. Р. М.	1/2" 8
	51.7	29.8 33.2 42.0	21.0 22.9 26.7	13.8 15.6 18.0	9.56 11.1 13.0	В.	s. P.
	135 142	119 122 129	1111 113 115	104 105 107	100 102	P. M.	5/8"
	55.7 67.2	32.3 36.8 44.9	22.9 26.7 29.0	15.6 17.3 21.0	11.7 13.3 14.1	В.	S. P.
	140 148 155	124 128 133	117 120 122	1112 1113 1115	112 112	P. M.	34" 5
	59.6 71.8 85.3	35.9 39.7 48.9	26.0 29.0 32.1	18.0 20.6 22.7	14.5 16.8	В.	s. P.
166 175	146 153 159	130 133 139	123 124 128	120 120 122	120	P. M.	3 "%"
105 122	63.6 75.6 90.1	38.2 43.5 51.9	28.6 30.9 34.4	20.6 22.7 25.2	18.3	В.	s. P.
171 178 185	150 156 164	135 138 143	129 131 133	128 128 128	129	R. P. M.	1" S.
108 127 147	66.8 79.4 92.4	41.0 45.8 55.7	30.5 36.5	24.8 24.8 27.5	21.0	В.	. P.
180 186 193	159 165 173	147 148 154	142 144 145	145 144 142		P. M.	11/4"
120 137 158	73.9 87.8 102	47.3 51.5 63.0	36.3 38.9 43.5	30.5 30.5 30.5		В. Р.	S. P.
185 192 199	167 174 180	157 158 163	156 156	158 157		P. M.	11/2"
127 147 168	$78.5 \\ 93.2 \\ 108$	52.7 58.8 68.7		36.3 38.2		В.	s. P.
193 200 206	177 182 187	168 168 173	171 168 168	172		P. M.	134"
137 156 178	87.8 102 118	59.4 64.9 74.8	48.1 51.7 55.4	45.8	: : :	В. Н. Р.	S.P.
200 207 212	185 190 195	182 183	184 183 182			B. R. H. P. P. M.	2" S
145 167 189	94.5 109 127	72.5 83.2	55.7 59.2 63.0			В.	'S. P.
213 218 225	202 206 209			<u> </u>		B. R. B. H. P. M. H. P.	21/2" 8
162 183 210	110 125 144	83.2 87.8 97.7	74.3 78.8	:::		В.	S. P
227 232 236		226 224 221	227	: : :		P. M.	3″ S
180 204 229	127 143 160	99.1 103 114	95.3			В. Р.	P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter—841/2". Wheel Circumference—22.10 ft. When fans are equipped with vortex, increase speed 4%.

No. 7 Type HV Fan, Single Width, Single Inlet

126,450 134,880 143,310	101,160 109,590 118,020	80,085 84,300 92,730	67,440 71,655 75,870	54,795 59,010 63,225	42,150 46,365 50,580	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
:::			87 87 87	73772	66 66 66	R. P. M.	%″ s.
			8.65 10.1 11.6	5.70 6.75 7.81	3.16 3.80 4.86	В. Н. Р.	
		98 101	95 95	8588	74 75	R. P. M.	%"
::::	: : :	14.8 16.7	10.3 11.6 13.3	6.75 7.80 8.87	4.02 5.07 6.12	в.	S. P.
	120	103 106 112	95 97 100	705 7089 929	888	P. M	×
		16.5 18.4 23.2	11.6 12.7 14.8	9.90 9.90	5.28 6.12 7.17	Н. В.	S. P.
	124 131	108 112 118	101 103 105	98 95	92 93 93	P. M.	%
	30.8 37.1	18.0 20.3 24.9	12.7 14.8 16.1	8.65 10.1 11.6	7.40 7.80	в.	S. P.
	128 136 142	1114 1117 122	107 109 112	102 103	102	P. R.	%;
	32.9 39.6 47.2	19.8 22.0 27.0	14.4 16.1 17.7	9.90 11.4 12.7	8.02 9.30	в.	S. P.
152 159	133 140 146	119 122 127	112 114 117	110 111 111	109	P. M.	7%"
57.9 67.5	35.0 41.8 49.8	21.1 24.1 28.7	15.8 17.1 19.0	11.4 12.7 13.9	10.1	В.	S. P.
156 163 169	137 143 150	124 126 132	118 120 122	117 117 117	118	P. M.	1" \$
81.0	36.9 44.0 51.0	22.6 25.3 30.8	16.9 18.6 20.3	12.7 13.7 15.2	11.6	В.	S. P.
164 170 177	146 151 158	135 136 141	130 131 132	182 131 130		P. M.	11%"
66.3 76.0 87.5	41.0 48.6 56.6	28.1 34.5	20.1 21.5 24.1	15.8 16.9 18.2		В.	S. P.
169 176 182	153 158 164	144 145 149	143 143 143	145		P. M.	11/2"
70.5 81.0 93.0	43.5 51.5 60.0	29.1 32.5 38.0	22.8 24.9 27.0	20.1 21.1		В. Н. Р.	S. P.
177 183 188	161 166 172	155 155	156 155	157	: : :	P. M.	1%"
76.0 86.5 98.5	55.55 55.55	35.8 41.3	26.6 28.5 30.6	25 · · · · · · · · · · · · · · · · · · ·		В. В.	S. P.
183 189 194	169 173 179	165 165 167	168 167 166			P. M.	2,7
80.2 92.0 104.0	52.3 60.5 70.0	36.9 40.1 46.0	30.8 32.7 34.8			в.	S. P.
195 200 206	185 188 191	187 185 185	189			P. M.	21/2"
89.5 102.0 116.0	60.8 79.3	46.0 48.5 54.0	41:			В. Н. Р.	S. P
208 212 216	205 205 205 205 205	207 205 205	208	:::		P. M.	ယ္
99 112 126	70 88	55.0 57.0 63.3	52.			В. Н. Р.	S. P.

No. 7 Type HV Fan, Double Width, Double Inlet

								,
252,900 $269,760$ $286,620$	202,320 219,180 236,040	160,170 168,600 185,460	134,880 143,310 151,740	109,590 118,020 126,450	84,300 92,730 101,160	C. F. M.	Volume	
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity	
	: : :	: : :	& & & & & & & & & & & & & & & & & & &	73 79	70 70	P. M.	%* S.	
<u> </u>	<u> </u>	<u> </u>	18.2 21.2 24.4	12.0 14.2 16.4	6.36 7.98 10.2	В.	.p	
		102	989 96	86 83	75 76 78	R. P. M.	3%" S.	١
		31.1	21.6 24.4 27.9	14.2 16.4 18.6	8.44 10.6 12.9	В.	3. P.	
	122	105 108 114	96 98 102	93 98 88	865	R. P. M.	1/2" 8	
	59.9	34.7 38.6 48.7	24.4 26.7 31.1	16.0 18.2 20.8	11.1 12.9 15.1	В.	S. P.	
	126 133	110 114 120	1000	96 97 99	93 94	P. M.	%	
	64.7 77.9	37.8 42.6 52.3	26.7 31.1 33.8	18.2 21.2 24.4	13.3 15.5 16.4	В. Н. Р.	S. P.	
	130 138 144	116 119 124	109 111 114	104 105 107	104	R. P. M.	×	
	69.1 83.2 99.1	41.6 46.2 56.7	30.2 33.8 37.2	20.8 23.9 26.7	16.8 19.5	В.	S. P.	
154 161	135 142 148	121 124 129	114 116 119	112 113	E: :	P.R.	7%,	
122 142	73.5 87.8	44.3 50.6 60.3	35.2 39.9	23.9 26.7 29.2	21.2	В.	s. P	
158 165 172	139 145 152	126 128 134	120 122 124	119 119 119	120	P. M.	1, S.	
126 147 170	77.5 92.4	47.5 53.1 64.7	35.5 39.1 42.6	28.8 31.9	24.4	В.	P	
166 173 180	148 153 160	137 138 143	132 133	134 133 132		P. M.	11/2"	
139 160 184	86.1 102 119	54.8 59.9 73.1	42.2 45.2 50.6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		В.	SS.	
172 179 185	155 160 166	146 147 151	145 145 145	147 146		P. ≅.	11%	
148 170 195	91.4 108 126	61.1 68.3 79.8	52.3 56.7	42.2 44.3		В.	S. P.	
180 186 191	163 168 175	157 157 159	158 157 157	159		P. M.	1%"	
160 182 207	102 118 138	69.1 75.2 86.7	2 55.9	53.1		B. H. P.	S. P.	
186 192 197	172 175 182					P. M.	2, 8	1
168 193 218	110 127 147	84.2 96.6	64.7 68.7 73.1		: : :	В.	S. P.	
198 203 209		190 188 188		:::	: : :	P. M.	21/2"	
188 214 244	128 145 167	96.6 102 113	86.5 91.4			B. R.	S. P.	
211 215 219		210 208 208	86.5 91.4 211			P. M.	3, 8	
209 236 266	148 166 186	116 120 133	1	: : :		В.	3" S. P.	
						• • • • • • • • • • • • • • • • • • • •		_

NOTE—The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft. Wheel Diameter-91". Wheel Circumference-23.80 ft.

No. 71/2 Type HV Fan, Single Width, Single Inlet

145,200 154,880 164,560	116,160 125,840 135,520	91,960 96,800 106,480	77,440 82,280 87,120	62,920 67,760 72,600	48,400 53,240 58,080	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Per Min.	Outlet Velocity
		: : :	76 79 82	67 73	59 62	P. M.	Х"
			9.90 11.6 13.4	6.54 7.75 8.97	3.64 4.37 5.58	В.	S. P.
		91 94	83 86	75 77 80	69 70 72	P.R.	1,1
		17.0 19.1	11.9 13.3 15.3	7.75 8.97 10.2	4.60 5.82 7.03	В.	S. P.
	112	96 99 105	93 93 93	8581	78 79	P. M.	z,
	32.7	$18.9 \\ 21.1 \\ 26.7$	13.3 14.6 17.0	8.72 9.90 11.4	6.07 7.03 8.23	В. Н. Р.	S. P.
	113 122	101 104 110	94 98	91 91	86 87 87	P.R.	%
	35.4 42.7	20.8 23.3 28.6	14.6 17.0 18.4	9.90 11.6 13.4	7.27 8.48 8.96	. н. в.	S. P.
:::-	120 127 132	106 109 114	100 102 104	95 98 98	95	P. R.	*
	37.8 45.6 54.3	22.8 25.2 31.0	16.5 18.4 20.4	11.4 13.1 14.6	9.20 10.7	В.	S. P.
142	125 130 136	111 114 119	105 106 109	102 102	102	P. M.	1,8,1
66.4 77.5	40.3 48.0 57.2	24.3 27.6 33.0	18.2 19.7 21.8	13.1 14.6 16.0	11.7	В.	S. P.
145 152	128 133 140	116 118 122	110 112 114	109 109	110	P. M.	1"
98.08 0.58	42.5 50.5 58.7	23.0 29.1 35.4	19.4 21.3 23.3	14.6 15.8 17.5	3: :	В.	S. P.
153 165	136 141 147	126 127 131	122 122 123	124 123 122	: : :	P. M.	1¼"
76.0 87.2 101.0	47.0 55.7 65.0	30.1 32.7 40.0	224 27.	18. 19. 20.		В.	'S. P.
0 158 2 163 170	0 143 7 148 0 153	1 134 7 135 0 139	.0 133 .7 133 .6 133	9 135		Р. М.	11/3"
81.0 93.0 107.0	50 68	437 33	26. 28. 31.	23		В.	'S. P.
0 165 0 171 0 175	.0 151 155 160	5 144 3 144 7 147	2 145 6 144 0 144	3 146		H	134"
999	55.7 64.5 75.1	37.8 41.2 47.5	30.5 32.7 35.2	29.1		R. B.	" S. P.
7.2 171 5 176 1.0 182	7 158 5 162 1 167	2 154 156 156	5 157 7 156 2 155	: : :		P. M.	15
92.0 106.0 120.0	60.1 69.3 80.5	42.4 46.0 52.9	35.4 37.6 40.0			В.	S. P.
0 182 0 186 0 192	1 173 3 175 5 178	4 174 0 173 9 173	4 177 0 175	<u> </u>		P.M.	21/2"
103.0 116.3 133.5	69.9 79.5 91.1	52.9 55.7 62.0	47.3 50.0			В.	" S. P.
0 194 3 198 5 202	9 189 5 189 1 191	9 193 7 191 0 189	3			P. M.	3 ₁
114 129 145	81.0 90.7	63.0 65.4 72.7	60.6	:::		. н. в.	S. P.

No. 7½ Type HV Fan, Double Width, Double Inlet

290,400 309,760 329,120	232,320 251,680 271,040	183,920 193,600 212,960	154,880 164,560 174,240	125,840 135,520 145,200	96,800 106,480 116,160	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
: : :		: : :	77 80 283 2	68 1 71 1 74 1	63 65 1	P. M. I	% %
: : :	:::	:::	20.8 24.4 28.1	13.7 16.3 18.8	7.64 9.18 11.7	В.	. P
: : :	<u> </u>	95	84 90	76 78 81	70 71 73	В. Р. М.	3%" 8
		35.7 40.1	25.0 27.9 32.1	16.3 18.8 21.4	9.66 12.2 14.8	в. н. р.	?a .P
	114	97 100 107	89 91 94	86 86 86	79 80 80	R. P. M.	1/2" \$
	68.7	39.7 44.3 56.1	27.9 30.7 35.7	18.3 20.8 23.9	12.7 14.8 17.3	В.	s. P.
	115 124	103 106 112	95 97 99	89 91 92	887 888	P. M.	5%"
	74.3 89.7	43.7 48.9 60.1	30.7 35.7 38.6	20.8 24.4 28.1	18.88	в.	S. P.
	122 129 134	1118	7 102 106	8 96 1 99	96 9	P. M.	12%
	79.4 95.8 114	47.9 52.9 65.1	34.7 38.6 42.8	23.9 27.5 30.7	19.3 22.5	В.	S. P.
144	127 132 138	9 113 9 116 1 121	7 107 6 108 111	9 104 5 104 7 106	3 104	P. R.	3,6,"
139	84.6 101 120	51.0 58.0 69.3	38.2 41.4 45.8	27.5 30.7 33.6	24.6	В.	s. p.
147 154 160	130 135 142	118 120 124	1112 1114 1116	111	112	P. M.	1" S.
144 169 195	89.3 106 123	54.6 61.1 74.3	40.7 44.7 48.9	30.7 33.2 36.8	27.9	в.	9. P.
155 161 167	138 143 149	128 129 133	124 124 125	126 125 124		P. M.	114"
160 183 212	98.7 117 137	63.2 68.7 84.0	48.3 51.9 58.0	38.2 40.7 43.9		в. н. р.	'S. P.
160 165 173	145 150 155	136 137 141	135 135	137 136		R. P. M.	11/2"
170 195 225	105 124 144	70.4 78.3 91.8	55.0 60.1 65.1	48.3 51.0		B. I	iso io
167 174 178	153 157 162	146 146 149	147 146 146	148		P. M.	13/4"
183 209 237	117 135 158	79.4 86.5 100	64.1 68.7 73.9	61.1		В. Н. Р.	s. P.
174 179 185	160 164 170	156 157 158				P. M.	2"
193 223 252	126 146 169	89.0 96.6	74.3 79.0 84.0			В.	s. P.
185 189 195	176 178 181	177 176 176	180			P. M.	21/2"
216 244 280	147 167 191	1111 1117 130	99.3			В.	"S. P.
197 201 205	192 192 194	196 194 192	197			P. M.	င _{့္}
240 272 306	170 190 214	132 137 153	127			B. H. P.	S. P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs., per cu. ft.

Wheel Diameter-971/2". Wheel Circumference-25.50 ft.

No. 8 Type HV Fan, Single Width, Single Inlet

165,000 176,000 187,000	132,000 143,000 154,000	104,500 110,000 121,000	88,000 93,500 99,000	71,500 77,000 82,500	55,000 60,500 66,000	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			71 74 76	200	65.55 55.55	P. M.	%″ S.
			11.3 13.2 15.1	$7.43 \\ 8.80 \\ 10.2$	4.13 4.95 6.33	В.	P
		885	77 80 83	70 72 75	64 65	R. P. M.	3%"
		19.2 21.7	13.5 15.1 17.3	8.80 10.2 11.6	5.23 6.60 7.98	В.	S. P.
	105	90 93 98	8888	76 80	73 74 75	P.R.	ž
<u> </u>	37.1	21.5 23.9 30.2	15.1 16.5 19.3	9.90 11.3 12.9	7.98 9.35	в.	S. P.
: : :	108	103	9208	888	5,000 82 82 82	P. R.	%
	3 40.2 48.4	26.4 26.4	116.5 20.9	111.3 113.2 15.1	8.25 9.62 10.2	B. H. P.	S. P.
	2 112 4 119 124	4 102 4 107	94 97	92 89	25 62 89 89	P. P. M.	X
: : :	51 61	322	220 23	16	9 10.5 9 12.1	м. н. р.	is
:::: :	779	26.9	1.97	0,000	::	1 is "	P. 32
133 75 137 99	117 45 122 54 128 65	104 27 107 31 111 37	99 23 100 22 102 24	96 14 96 16 98 18	96 13.	P. M. H	%" S.
်ဝယ	45.7 54.5 65.0	27.3 31.4 37.4	7.36	100.00	N: :	В. І	. .
136 142 148	120 125 131	109 111 115	103 105 107	102 102 102	103	ן ≥,~	1" S.
78.1 91.3 105.5	48.2 57.3 66.6	29.4 33.0 40.2	22.0 24.2 26.4	16.5 17.9 19.8	15.1	В.	P.
144 149 155	128 133 138	118 119 123	114 115 116	116 115 114		P.M.	11%"
86.5 99.0 114.0	53.3 63.2	34.1 37.1 45.3	26.1 28.0 31.3	20.6 22.0 23.7		В.	S. P.
148 153 159	134 189 143	126 127 130	125 125 125	127 126		P. M.	11/2"
92. 106. 121.	56.7 67.1 71.7	38.0 42.3 49.5	29.7 32.4 35.2	26.1 27.5		В.	S. P.
0 155 0 160	7 141 1 145 7 150	0 135 135 138	7 136 4 132 2 135	5 137		P. M.	1%"
99 113 128	85 85	5362	37 39	33.0		В.	S. P.
.0 160 .0 165 .0 170		.9 144 .8 145 .9 146		<u> </u>	<u> </u>	P. N.	2,
105 120 136				:::	: : :	R. B. H. P.	S. P.
.0 171 .0 175 .0 180	2 162 8 165 3 167	.1 164 .3 162 .0 162	.6 166 .4 165	:::	: : : : : :	P. P. M.	21/2"
71 75 182 151	790 103	288 886	55.55	:::	: : :	H.H.	i io
000	9 69 69	5700	-2-2	:::		B. I	۵:
182 196					:::	P. M. H	3" S.
130.0 147.0 165.0	92.0 103.0 115.5	71.7 74.2 82.5	68.8	: : :		В. Н. Р.	۲.

No. 8 Type HV Fan, Double Width, Double Inlet

330,000 352,000 374,000	264,000 286,000 308,000	209,000 220,000 242,000	176,000 187,000 198,000	143,000 154,000 165,000	111,000 121,000 132,000	C. F. M.	Volume
3330 3550 3775	2560 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet
			72 23.7 75 27.7 77 31.7	64 15.6 66 18.5 69 21.4	56 8 10 61 13	R. 1 P. M. H.	%" S. Р
<u>: : :</u>		: : :	777	0.04	8.67 10.4 13.3	В. Н. Р. Р	`
: : :		: 88 :	78 84	73 76	860 85	P. M.	%* S.
	:::	40.3 45.6	28.4 31.7 36.3	18.5 21.4 24.4	11.0 13.9 16.8	В.	P.
	107	91 94 99	84 89	77 79 81	74 75 76	В. Р. М.	2.0
	77.9	45.2 50.2 63.4	31.7 34.7 40.5	20.8 23.7 27.1	14.4 16.8 19.6	В.	s. P.
	110	96 99 105	93 93	87 87 87	& 8 8	P. M.	%,
	84.4 102	49.1 55.4 68.0	34.7 40.5 43.9	23.7 27.7 31.7	17.3 20.2 21.4	В.	S. P.
	1114 121 126	100	95 97 98	77 90 93 91	90	P. M.	%,
	90.1 109 130	54.4 60.1 73.9	39.3 43.9 48.5	27.1 31.1 34.7	22. 1 25. 4	В.	's. P.
135	119 124 130	106 109 113	102	997 997	97	P.R.	7%"
158 185	96.0 114 137	57.3 65.9 78.5	43.3 46.8 51.9	34.7 38.2	27.7	В.	%" S. P.
138 144 150	122 127 133	1111 1113 1117	105 107 109	104 104 104	105	P. M.	1" S.
164 192 222	101 120 140	61.7 69.3 84.4	46.2 50.8 55.4	31.7 37.6 41.6	31.7	В.	P
146 151 157	130 135 140	120 121 125	116 117 118	118 117 116		P.R.	11/4" 8
182 208 239	112 133 155	71.6 77.9 95.1	54.8 58.8 65.7	43.3 46.2		H. P	"S. P.
150 155 161	136 141 145	128 129 132	127 127 127	129 128		P. M.	1 1/2"
193 223 254	119 141 151	79.8 88.8 104	62.4 68.0 73.9	54.8 57.8	:::	B. R. H. P. P. M.	's. P.
157 162 167	143 147 152	137 137 140	138 134 137	139		P. M.	13/"
208 237 269	133 154 179	90.1 98.3 113	72.7 77.9 83.6	69.3	: : :	В.	s. P.
162 167 173	150 154 158					P. M.	2" S.
221 25 2 286	143 165 192	101 110 126	84.4 89.5 95.3			H. P.	3. P.
174 178 183	164 167 170	166 164 164	168 167			R. B. B. H. P.	21/2"
245 277 317	167 190 217	126 133 148	113			В.	S. P.
185 189 193	180 180 182	184 182 180	185			P. M.	S, S
273 309 347	193 216 242	151 156 173	144			B. H. P.	S. P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-104". Wheel Circumference-27.20 ft.

No. 81/2 Type HV Fan, Single Width, Single Inlet

186,300 198,720 211,140	149,040 161,460 173,880	117,990 124,200 136,620	99,360 105,570 111,780	80,730 86,940 93,150	62,100 68,310 74,520	C. F. M.	Volume
3400 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			67 69 72	59 61 64	55.2 56.4	R. P. M.	X,,
			12.7 14.9 17.1	8.40 10.0 11.5	4.65 5.60 7.15	В. Н. Р.	S. P.
		83	73 75 78	66 68 70	61 62	Р. М.	%
		21.7	15.2 17.1 19.6	10.0 11.5 13.1	5.90 7.45 9.00	В. Н. Р.	S. P.
	99	2888	78 80 82	72 73	68 70	Р. М.	7,
	41.9	24.2 27.0 34.2	17.1 18.6 21.7	11.2 12.7 14.6	7.25 9.00 10.6	В. Н. Р.	S. P.
: : :	102	92 92 93	87 87 83	78 79 80	76 77	R. P. M.	%
	45.3 54.6	26.4 29.8 36.6	18.6 21.7 23.6	12.7 14.9 17.1	9.32 10.9	в. н. р.	S. P.
	106 112 117	94 96 101	92 92 93	87 87	84 4.4	Р. М.	3/1
: : :	48.5 68.4 69.5	29.2 32.3 39.8	21.1 23.6 26.1	14.6 16.8 18.6	11.8 13.7	В. Н. Р.	S. P
126 131	110 115 120	98 101 105	93 94 96	999 920	90: :	R. P. M.	7%"
85.0 99.5	51.5 61.5 73.3	31.1 35.2 42.2	23.3 25.2 28.0	16.8 18.6 20.5	14.9	В. Н. Р.	S. P.
128 134 139	113 118 124	102 104 108	97 99 101	96 96 96	97	R. P. M.	1" 8
88.3 103.0 119.2	54.3 64.7 75.0	33.2 37.3	24.8 27.3 29.8	18.6 20.2 22.4	17.1	в. н. Р	S. P.
135 140 146	120 125 139	111 112 116	107 108 109	109 108 107		R. P. M.	11/1"
97.5 111.7 128.5	60.2 71.5 83.2	38.5 41.9 51.2	29.5 31.7 35.4	23.3 24.8 26.7		В.	S. P.
139 145 150	127 131 135	119 120 123	118 118 118	119		Р. М.	1½"
104.0 119.0 136.5	64.0 75.7 88.2	42.8 47.8 55.9	33.5 36.6 39.7	29.5 31.1		В. Н. Р.	S. P.
146 151 155	133 137 141	127 127 130	128 127 127	129		P. M.	1%"
111.9 127.5 144.8	71.5 82.5 96.3	48.4 52.8 60.9	39.1 41.9 45.0	37.2		В. Н. Р.	S. P.
151 156 160	139 143 147	136 137 138	139 138 137			P. M.	20, 10
118.0 135.5 153.5	77.0 88.8 103.0	54.3 59.0 67.8	45.3 48.1 51.3	: : :		в. н. р.	S. P.
161 166 170	153 158	154 153	156 155			P.R.	21/3"
132.0 149.0 171.0	89.5 102.0 117.0	67.8 71.5	60.6			в. н. р.	8.
172 175 178	166 167	171 169 167	172	: : :		P. K.	oř.
146 166 186	104.0 116.0 180.5	98.0 98.0	77.7	<u> </u>	:::	В.	,

No. 8½ Type HV Fan, Double Width, Double Inlet

	372,600 397,440 422,280	298, 080 322, 920 357, 760	235,980 248,400 273,240	198,720 211,140 223,560	161,460 173,880 186,300	124,200 136,610 149,040	C. F. M.	Volume	
	3380 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity	
				68 70 73	60 65	55 57	R. Р. М.	**	
				26.7 31.3 35.9	17.6 21.0 24.2	9.77 11.8 15.0	В.	s. P.	
				74 76 79	67 69 71	64 64	P. M.	**	
			45.6 51.5	31. 41.	21.0 24.2 27.5	12.4 15.6 18.9	В.	s. P.	
		::: 100	. 55 56 98 94	.9 79 .9 81 .2 83	520 74 76	66 70 9 71	P. M.	7%	
NO		88.0	50.8 56.7 71.8	45. 45.	26 30	15.2 18.9 22.3	В.	'S. P.	
FE—1		0 104 	8 90 8 98	9 84 6 88	775 79 81	39 2	P. M.	5%	
he bla		95.1	55.4 62.6 76.9	39.1 45.6 49.6	35. 35.	221	B H.	's. P.	
ck fac		1 108 1114 1119	4 95 6 97 9 103	1 89 6 91 6 93	.7 .3 .86 .9 .88	296 85	P. P. M.	34,"	
ed typ		102 123 146	800	44 49 54	35	24 80 80 80 80 80	H.	" S. P.	
e indi	128	112 117 122	.3 99 7.8 103 8.6 107	.8 94 .8 97	.7 .3 .1 .1 .1 .2 .1	69 ∞ . 	P. P. M.	1%"	
NOTE—The black faced type indicates the	179	108 129 154	65.3 73.9 88.6	48.9 52.9 61.6	39.1 43.1	31.3	B. H. P.	"S. P.	
e mos	130 141	1115 120 126	104	100	97	98:::	P. M.	1" S.	
most efficient point of operation for each	185 216 250	114 136 158	69.7 78.3 95.1	52.1 57.3 62.6	39 .1 42.4 47.0	35.9	в.	s. P.	
nt poi	137 142 148	122 127 131	113 114 118	1110	111 1111	<u> </u>	P. M.	11%"	
nt of o	205 235 270	126 150 175	80.9 88.0	62.0 66.6 74.3	48.9 52.1 56.1		В.	's. P.	
perati	141 147 152	129 133 137	121 122 125	120 120 120	121		В. Р. М.	11/2"	
on for	218 250 287	134 159 185	89.9 100 117	70.4 76.9 83.4	62.0		В.	S. P.	
	148 153 157	135 139 143	129 129 132	130 129 129	131	: : :	P. M.	1%"	
pressure.	235 268 304	150 173 202	102 111 128	82.1 88.0 94.5	78.1		В.	S. P.	
•	153 158 162	141 145 149	138 139 140			: : :	P. M.	2" 8	
	248 285 322	162 186 216	124 142	95.1 101 108		::::	в.	S. P.	
	163 167 173	155 157 160	156 155 155	158 167			P.R.	21/2"	
	277 313 359	188 214 246	142 150 167	127 134			В.	'S. P.	
	175 178 181	168 170 172	174 172 170	175			P. M.	3, S.	
	308 349 392	218 244 274	170 176 196	163		: : :	В.	3. P	

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-1101/2". When fans are equipped with vortex, increase speed 4%. Wheel Circumference-28.90 ft.

No. 9 Type HV Fan, Single Width, Single Inlet

208,800 222,720 236,640	167,040 180,960 194,880	132,240 139,200 158,120	111,360 118,320 125,280	90,480 97,440 104,400	69,600 76,660 88,520	C. F. M.	Volume
3000 3200 3400	2400 2600 2800	1900 2000 2200	1600 1700 1800	1300 1400 1500	1000 1100 1200	Feet per Min.	Outlet Velocity
			85.68	56 58	551 4	P. M.	X'''
			14.3 16.7 19.2	9.40 11.10 12.9	5.23 6.27 8.00	В.	S. P.
		76 78	69 71 74	62 64 66	57 58 60	P. M.	3%;
	:::	24.4 27.5	17.1 19.2 22.0	11.2 12.9 14.6	6.62 8.35 10.1	В. Н. Р.	S. P.
	93	88 87	74 78	68 69 71	66 65 65 65 65 65	P. M.	z
	47.0	27.1 30.3 38.3	19.2 20.9 24.8	12.5 14.3 16.4	8.70 10.1 11.9	в.	S. P.
	96 102	91 91	82 82	74 75 76	72 73	P.R.	×
	50.9	29.6 33.4 41.1	20.9 26.5	14.3 16.7 19.2	10.5 12.2 12.9	H. P.	S. P.
	100	95 95	878	79 82	79	P.M.	%
	54.3 65.5 78.0	32.7 36.2 44.5	226.7 29.57	16.4 18.8 20.9	13.2	H. P.	S. P.
119 124	104 109 114	95 99 99	91 91	8788	œ: :	P. M.	7,
95.5 111.3	57.8 69.0 82.2	34.8 39.7 47.3	26.1 28.2 31.3	18.8 20.9 23.0	16.7	В. Н. Р.	S. P.
	117	97 98 102	95	9199	92	P.M.	1,"
98.8 115.5	61.0 72.4 84.2	37.3 41.8 50.8	27.8 80.6 33.4	20.9 22.6 25.1	19.2	В.	S. P.
128 132 137	1114 1118 123	106	102	103 102 102		P.R.	1%"
109.5 126.0	67.5 80.0 93.4	43.2 47.0 57.5	83.1 35.5 39.7	26.1 27.8		В.	S. P.
	119 123 128	1112	EEE	8 113 112		P. K.	11%"
116.0 134.0	71.8 98.0	48.0 53.7 62.7	37.6 41.1 44.5	33.1 34.8		B. B.	' B. P.
	126 133	7 120 123	121 120 120	122		Р. м .	1%"
125.5 143.0	80.0 92.7 108.0	54.3 59.2 68.1	43.9 47.0 50.5	41.8		B. H. P.	'S. P.
	131 135 139	128 129 130	131 130 129			Р. М .	2
132.5 152.0	86.4 100.0 115.5	66.2 76.0	50.8 54.0			В.	9. P.
	144 146 149	146 144	147 146			P.R.	21/5"
148.0 167.0	100.0 114.0 131.0	75.9 80.0	68.0 71.7			В.	' 8. P.
	157 158 159	161 159 158	162			В. Р. М .	8,
164 186	116 130 146	90 104 104	87.0	:::		H. P.	8. P.

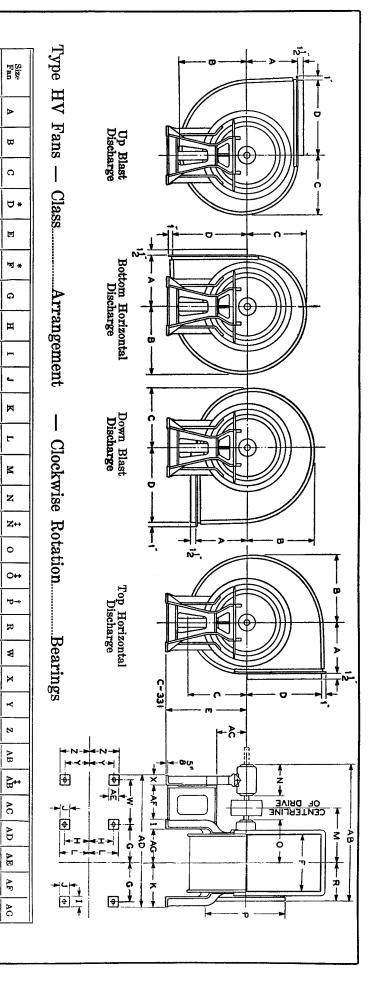
No. 9 Type HV Fan, Double Width, Double Inlet

417,600 445,440 473,280	334,080 361,920 389,760	~ ~ ~	222,720 236,640 250,560	180,960 194,880 208,800	139,200 153,120 167,040	C. F. M.	Volume
3330 3550 3775	2660 2885 3100	2110 2220 2440	1775 1885 2000	1440 1550 1660	1110 1220 1330	Feet per Min.	Outlet Velocity
			64 66	57 59 62	52 54	R. P. M.	X. 8
			30.0 35.1 40.3	19.7 23.3 27.1	11.0 13.2 16.8	В. н. р.	S. P.
	<u> </u>	77	70 75	63 67	59 61	P. M.	3%" 8
	<u> </u>	51.2 57.8	35.9 40.3 46.2	23.5 27.1 30.7	13.9 17.5 21.2	В.	S. P.
	94	88 84 88	775	70 72	66 67	R. P. M.	3.8
	98.7	56.9 63.6 80.4	40.3 43.9 51.0	26.3 30.0 34.4	21.2 25.0	В. Н. Р.	'S. P.
	97 104	92 92	79 81 83	75 76	73 74	Р. М.	%" 8
	107 129	62.2 70.1 86.3	43.9 51.2 55.7	30.0 35.1 40.3	22.1 25.6 27.1	В. Н. Р.	s. P.
:::	102	89 92 96	88 88 85	83 83 83	88 08	P. M.	3,7%
	114 138 164	68.7 76.0 93.5	49.8 55.7 61.3	34.4 39.5 43.9	27.7 32.1	В. Н. Р.	's. P.
	106 111 115	93 100	89 92	88 88 88 88	86	P. M.	3,8%
201 234	121 145 173	73.1 83.4 99.3	54.8 59.2 65.7	43.9 48.3	35.1	В.	's. P.
123 129 134	109 113 119	98 99 104	93 94 96	92 92	93	P.R.	1" S.
207 243 281	128 152 177	78.3 87.8 107	$58.4 \\ 64.3 \\ 70.1$	47.5 52.7	40.3	В.	P.
130 134 139	116 120 125	107 108 112	104 104 105	105 104 104		P. M.	11/1
230 265 302	142 168 196	90.7 98.7 121	69.5 74.6 83.4	54.8 58.4 63.0		B. H. P.	S. P.
	121 125 130	1114 1115 1118	113 113 113	115 114		P. M.	11/2" S. P.
244 281 321	151 179 207	101 113 132	79.0 86.3 93.5	69.5 73.1		В.	S. P.
139 144 148	128 131 135	122 122 125		124		P. M.	13%
264 300 342	168 195 227	1114 124 143	92.2 98.7 106	87.8		B. H. P.	S. P.
144 149 153	133 137 141	130 131 132	133 132 131			P.R.	2, 8
278 319 361	181 210 243	128 139 160	107 113 121			В.	S. P.
154 157 162	146 148 151	148 146 146	149 148			Р. М.	21/2"
311 351 403	210 239 275	159 168 187	143 151			В.	S. P.
164 167 171	159 160 161	163 161 160	164			P.R.	3" S.
344 391 439	245 274 307	190 197 219	183			в. н. Р.	3. P.

NOTE-The black faced type indicates the most efficient point of operation for each pressure.

Values Guaranteed for Standard Air: Temperature, 68° F.; Pressure, 29.92 inches; Weight, .07488 lbs. per cu. ft.

Wheel Diameter-117". Wheel Circumference-30.60 ft.
When fans are equipped with vortex, increase speed 4%



ယ	222 222	211	%XXX	1 77%
25	187 207%	12% 14% 16% 4	11022	8-76 8-76
331/3	30 28 28 28 28 28 28	17% 19% 22%	12% 14% 15%	8% 10% 11点 11点
29%	22¼ 24½ 27	15% 17% 19%	127% 187%	7% 9% 10%
38%	28% 32 85%	1914 2214 25%	14% 16%% 17%%	9% 11% 13
891/	88 88 %	262 2622 2622 2622 2622 2622 2622 2622	15% 17½ 19	10% 12% 14
291/4	224 274% 274% 274%	14% 17% 19%	122 222 222 222 222 222	10 20 20 20 20 20 20 20 20 20 20 20 20 20
18%	754 75%	11% 12%%	10.98 28.28 28.28	8778
12%	1103% %25%	20 20 20 20 20 20 20 20 20 20 20 20 20 2	765	542
43%	4.4.8 4.4.8 4.4.8	222 222	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	85 2 2 2 2 2 3 2 2
41/2	4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	222 2224	% % % % % %	25.88 25.88
20%	16 17% 19%	11 12 24 24 24 24 24 24 24 24 24 24 24 24 24	12% %%% %%%	7.88 7.88 7.88 7.78
15	1111 1222 1322	715 88% 10	% % % %	762
241/2	19% 21 23%	14 16¼ 17‰	14.2% 18.2% 28.2%	10¼ 12% 12%
1113	7,7,7 7,01 1,01 1,01 1,01 1,01 1,01 1,01	998	00 00 00	7777 2000
4%	444	2222 2222	2 2 2 2 2 X X X X	888 787474
18%	165% 185%	10% 12% 13%%	112 14 14 14 14 14 14 14 14 14 14 14 14 14	997
15%	12 13% 14%%	11 8 8 8 8 8 8 8	10 12% 28%	800 0
40%	30% 34 37%	20 23 27 27	14% 16% 18%	9% 118% 13
18%	16 17 33 34 35	11.8% 12.8% 88.8%	%%% %%%	765 744
17%	17%% 17%%	11 77 137 77 137 77 77 77	12 15 15 15 15 15	7778 7778 1017 1017
41%	3% 4% 4%	322 222	%%% %%%	32 % 32 %
41/5 123/2 15 60%	%%% 11% 10%	%%% %%%	7 3 3 3	24.3 28.3 28.3
16	1527 2527 2527	7½ 8% 10	7.4.8 7.4.7.	364 % %
60%	523% 574%	4364 7887 7887	3342% 34%% 36%%	28 % 27 % 28 %
56 %	45 49% 54%	32 % 37 % 40 %	3014 32%4 37%	25% 25% 26%
 • ••				

24 27% 28%

20 00 00 24 26 24 76

40 %%%%

9 12 %%

220 220 224 4244

10%% 10%%

56% 50% 56%

Thiside diameter of Pipe to fit over Inlet. *Outlet dimensions are outside. *Dimensions for Fans with Ball Bearings. All dimensions in inches.

CFM

Temp.

SP RP

₿

ΗP

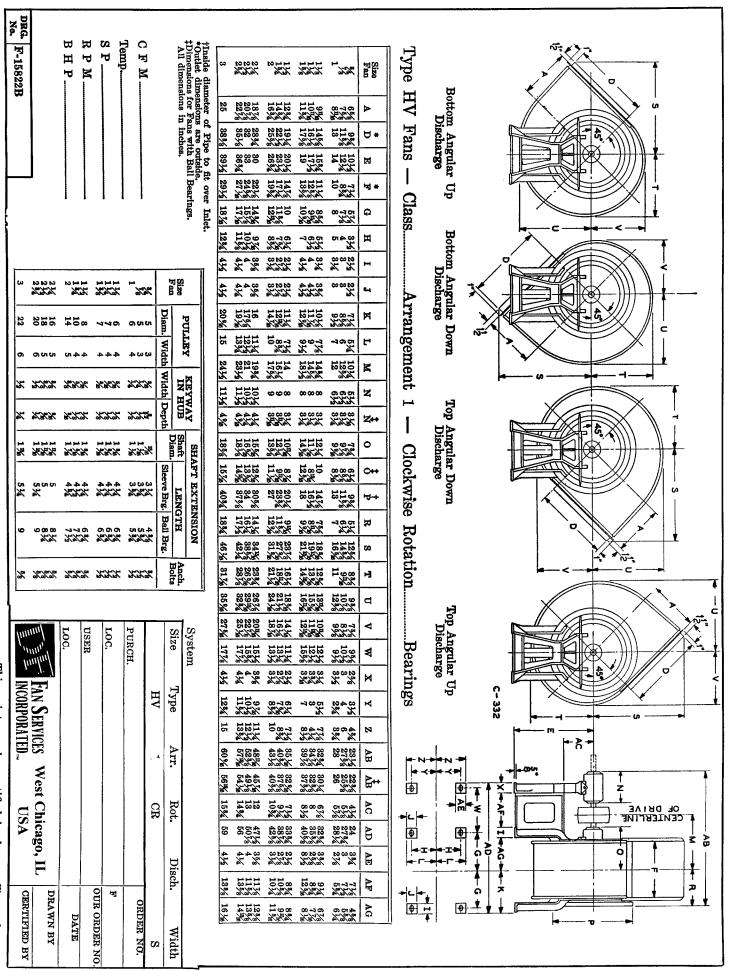
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3	220 777	2132	111 %%%	~~~ "	¥ al	Size	
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1/2	7.7%%	%%% %	%%%	***	Width	IN I	KEY
7,4	%%% %	****	***	%% #	Depth	нив	YWAY
1 %	%%% %%%	 %%%	111	%%% 1 %%%		Shaft	HS
51/4	~ ~ ~	444	444		Sleeve Brg.	LENGTH	SHAFT EXTENSION
9	0 88 8 %%	77% %%%	000 %%%	41010	Ball Brg.	GTH	NOISN
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hi. hiii	$\frac{nlm}{m_n}$	LOC.	USER	LOC.	PURCH.		Size	System
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ž.						1	Arr.	
USA	West Chicago, II.					CR	Rot.	
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DRG. F- 15822A

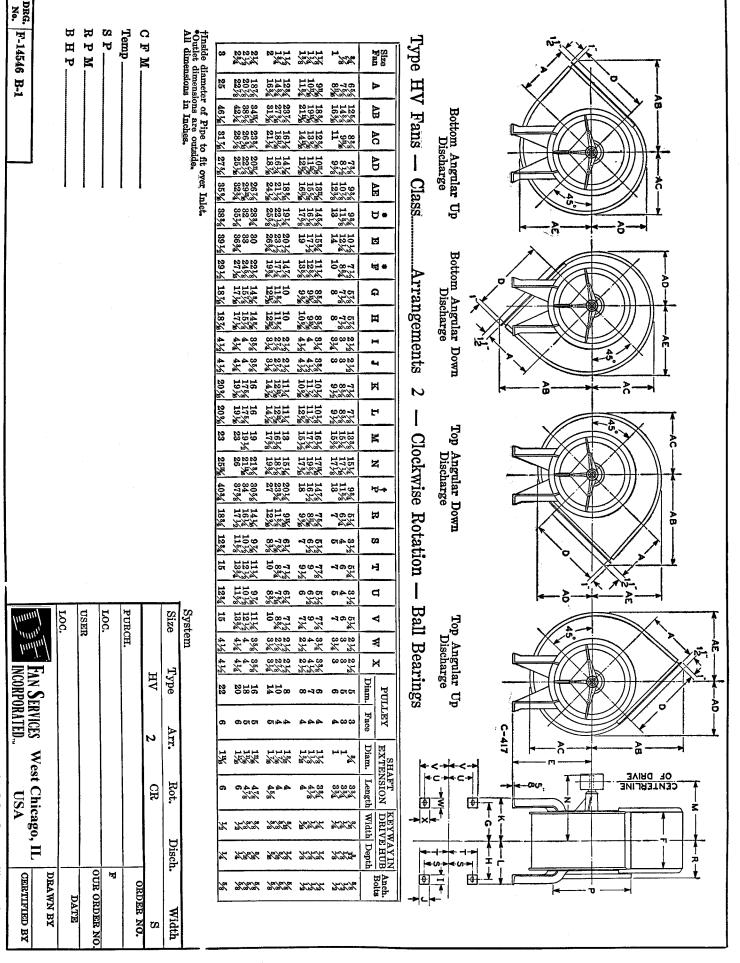


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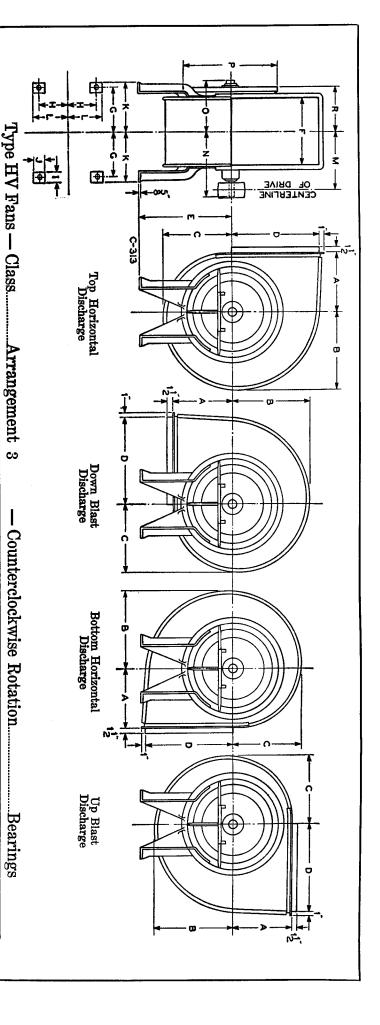
Type DRG. C F M Temp Ŧ Ħ Ø †Inside diameter of Pipe to fit over Inlet.
*Outlet dimensions are outside.
All dimensions in Inches. ΗP ٣ P 14546 HV Fans K Size 277 TTT A-1 8270 ద Up Blast Discharge 10 %%% 11212 12222 12222 Q Class. 113% 85% 85% 85% 1764% 1788% ₩. 727 277 277 391/3 888 15% 19% Ħ 1087 1517 2222 122 백 * Arrangements 1115 25% %757 Ð Bottom Horizontal Discharge %% 222 211 211 211 777% ×25 Ħ \$ 4 % 22 82 24 24 24 24 2°44 2°72 222 244 222 4 Ħ ۳ 15%% Clockwise Rotation — K 1157 1288 14888 77XX 7775 z Down Blast Discharge 13,22 348 2848 2848 1854 1872 1872 ₩+ %%% %%% 76.55 74.74 Ħ 7 H ₽ Ball Bearings 4 Size USER System -ဝင္ 842 % % 22 23 22 24 22 24 \$ hinlin pinin Top Horizontal Discharge 223 844 249 222 22 22 × FAN SERVICES INCORPORATED... Type ΛH Diam. PULLEY C-415 Face Ť Arr. 6 Diam. SHAFT West Chicago, IL **** **** **** **** **** **** % OF DRIVE Length Width Depth Rot. CR 888 844 224 24 444 222 USA ₽ × KEYWAY IN DRIVE HUB Disch. #### #### #### #### ## 1 OUR ORDER NO CERTIFIED BY DRAWN BY Anch. Bolts ORDER NO. DATE Width Ø

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Sizo 127 A 222 223 223 223 223 Ħ 6227 2222 a 2522 %% 88% 2222 2222 2222 ₩. 22.22 25.25 19.25 22% 388 388 2888 2888 Ħ 27% 29% 522 222 벽 # 17% 18% 11% 10% 1113 7272 Ð Ħ 400 22,22 24,22 忿 2224 2222 422 4 Ħ ۲ 877 277 K **₹**++ 222 z 222 225 223 233 233 **Z++** 487 115 0 15 15% 0++ 75-4 Ħ Diam. 164 164 220 ARTITOA SHAFT EXTENSION Ball Brg. Length 766 %ZZ% Width KEYWAY IN DRIVE HUB Anchor Bolts

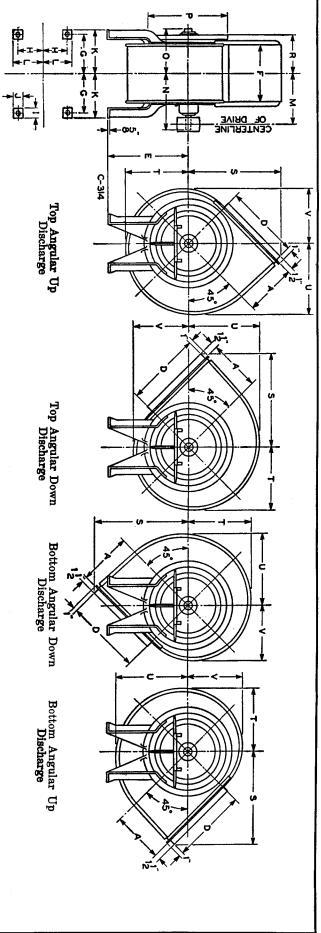
†Inside diameter of Pipe to fit over Inlet. *Outlet dimensions are outside. †Dimensions for Fans with Ball Bearings. All dimensions in inches.

B H P	P	S P	Temp	C F M

DEG.

F-14549 A

CERTIFIED BY	USA	INCORPORATED		<u> </u>
DRAWN BY	West Chicago, IL	NI CEDVICES		
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OUR OKUEK NO.			USER	
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ORDER NO.			PURCH.	
w	CCW	HV 3	1	
Width	Rot. Disch.	Type Arr.	Size T	
			System	,



Type HV Fans — ClassArrangement 3

— Counterclockwise Rotation.....

....Bearings

Size Fan

			"	no-
25%	16% 20% 20%	11.% 12.% 14.%/	A	
885 353%	\$255 \$285 \$285 \$285 \$285 \$285 \$285 \$285	175 1975 2275 2775	b	*
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29 27 27 27	2219 222%	174% 747%	늌	*
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finside diameter of Pipe to fit over Inlet. *Outlet dimensions are outside. †Dimensions for Fans with Ball Bearings. All dimensions in inches.

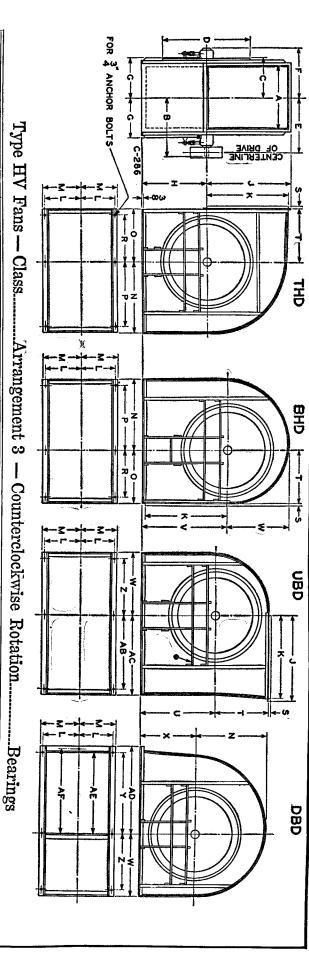
B H P	R P M	S P	Temp	C F M

DRG. F-14549B

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System					
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	INCORPORATED		USA	90,22	CERTIFIED BY

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9%	277	66 5 %	44.5	20 0 4 %%	Size Fan
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--Arr. "C" same as Arr. "A" except Pulley is omitted.
†Inside diameter of Pipe to fit over Inlet.
*Outlet dimensions are outside except on DBD Fans.
†Dimensions for Fans with ball bearings.

© Furnished on No. 8 Fans. and larger.
All dimensions in inches.

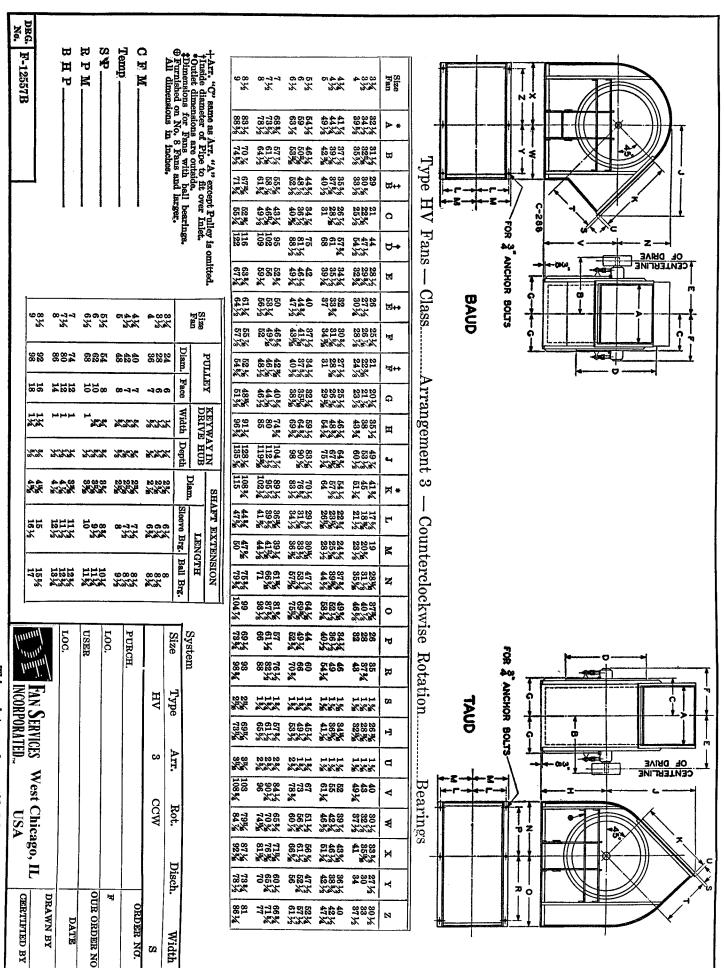
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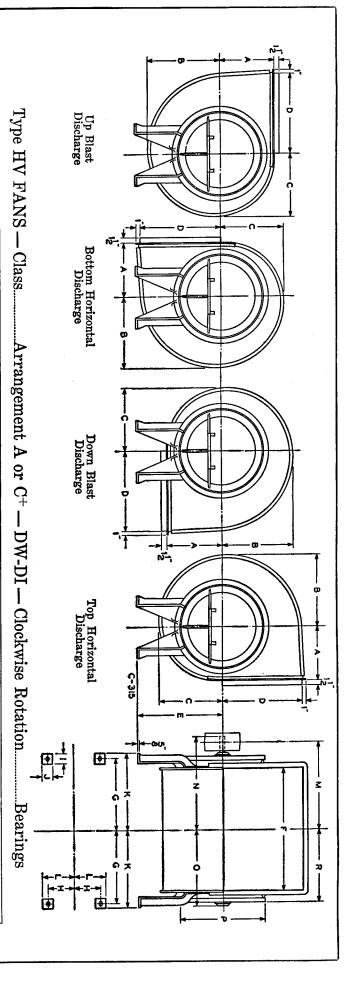
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Temp.. C.F.M. R. P. M. S.P.

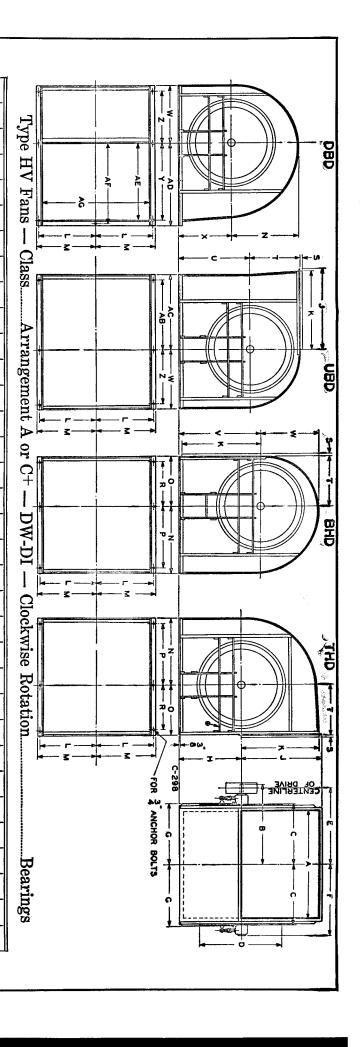
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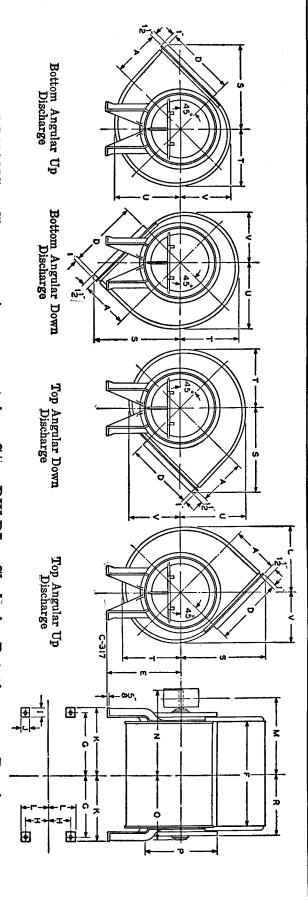
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Type HV FANS—Class... Arrangement A or C+—DW-DI—Clockwise Rotation..... ...Bearings

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