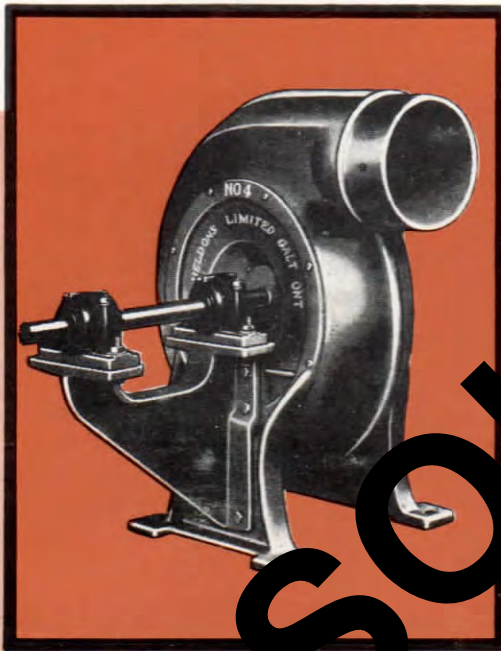


SHELDON

OK

INDUSTRIAL FANS SMALL SIZES



MEDIUM CAST IRON



STEEL PLATE

OBSOLETE

FOR SMALLER-SIZED INSTALLATIONS
EXHAUSTING - BLOWING - CONVEYING

CATALOGUE No. 526



SHELDONS ENGINEERING LIMITED
GALT ONTARIO CANADA

SHELDONS MANUFACTURING CORPORATION, Bensenville, Illinois

SHELDON SMALL INDUSTRIAL FANS

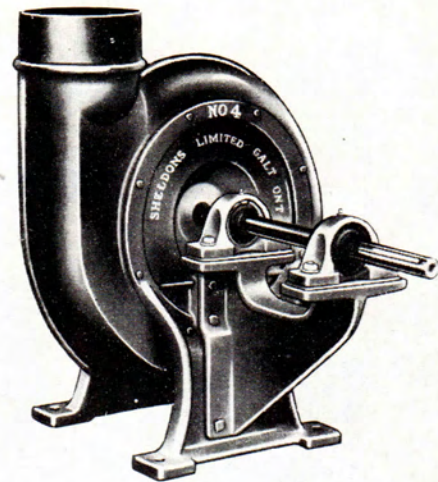
MEDIUM TYPE

Sheldon MEDIUM Type Fans are designed for those small-sized industrial applications where considerable economy can be effected by the use of industrial fans.

The MEDIUM fan casings are made from cast iron and are suitable for rugged duty such as handling sawdust, wood shavings, and dust from buffing and polishing wheels.

These cast iron casings are also to be preferred when fumes of a slightly corrosive nature are being handled, since cast iron is generally more resistant to corrosive attack than mild steel, and may also be coated internally with special materials as required for additional protection.

All MEDIUM Type Fans are supplied as standard in Arr. 1 as shown in the illustration. The discharge

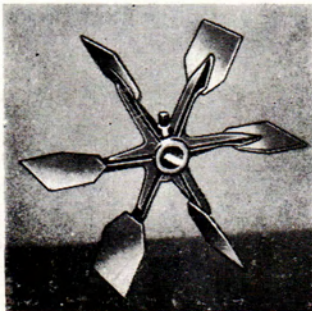


position can be rotated to suit installation requirements. Direct connected Arrangement 4 fans can be provided to order.

Both inlet and outlets are circular to accommodate pipe sizes from approximately 5" to 13" diameter.

FEATURES . . .

- Heavy duty **CAST IRON** casings for really rugged duty.
- Rigid bearing pedestal.
- Wheels built to take the knocks.
- Careful dynamic wheel balancing - no vibration.
- Vee-belt drive for wide range of capacities.
- Practical size range - 5" to 13" diameter.
- Position of discharge rotates to suit application.
- Excellent anti-corrosion properties with cast iron fan housing.
- Heavy-duty ball bearings.
- Suitable for medium pressures up to 6" w.g.
- Excellent for handling wood chips, sawdust, shavings, dust, etc.
- Small size convenient for out-of-the-way locations — can be hung from ceiling or mounted on walls, etc.



MEDIUM WHEELS

Designed to withstand the shocks and hard knocks of the heavy duty work found in air conveying, the MEDIUM wheel has a cast steel spider with a rigid web for greater strength. The steel plate blades are welded to the spider, and the whole wheel carefully balanced dynamically to ensure vibration-free running at high speeds.

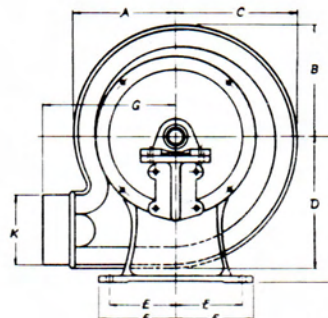
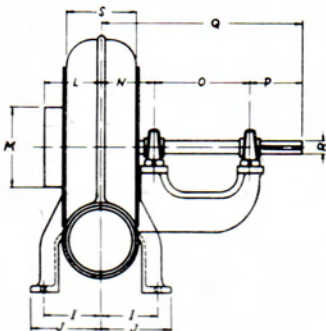
With only 6 blades, this 'open' wheel is ideally suited for stringy materials such as long wood shavings. Sawdust, wood chips, and abrasive metal dust can also be handled satisfactorily.

PERFORMANCE TABLES — MEDIUM TYPE FANS

Fan Size	Volume C.F.M.	1" S.P.		2" S.P.		3" S.P.		4" S.P.		5" S.P.		6" S.P.		Fan Size	Volume C.F.M.	1" S.P.		2" S.P.		3" S.P.		4" S.P.		5" S.P.		6" S.P.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.			r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.	r.p.m.	h.p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	288	1770	.078	2190	.136	2630	.210	3010	.290					4	830	1045	.223	1290	.392	1555	.605	1780	.838					360	2040	.127	2360	.179	2730	.256	3030	.344					433	2290	.193	2580	.250	2860	.318	3180	.410					468	2390	.241	2740	.290	2995	.361	3220	.453					505	2530	.272	2860	.347	3080	.410	3340	.500					540	2630	.321	2990	.407	3220	.475	3410	.558					575	2740	.372	3120	.470	3350	.540	3540	.618					648	2990	.490	3360	.625	3640	.707	3810	.793					720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458					568	1630	.200	1890	.281	2190	.403	2430	.544					683	1830	.304	2060	.393	2280	.500	2540	.646	2750	.806			740	1915	.364	2190	.458	2380	.570	2570	.715	2820	.876			795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950			855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613					760	1410	.267	1630	.376	1890	.540	2100	.727					913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32					1640	970	.577	1120	.815	1295	1.17	1440	1.57					1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10
	360	2040	.127	2360	.179	2730	.256	3030	.344						433	2290	.193	2580	.250	2860	.318	3180	.410					468	2390	.241	2740	.290	2995	.361	3220	.453					505	2530	.272	2860	.347	3080	.410	3340	.500					540	2630	.321	2990	.407	3220	.475	3410	.558					575	2740	.372	3120	.470	3350	.540	3540	.618					648	2990	.490	3360	.625	3640	.707	3810	.793					720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458					568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750	.806			740	1915	.364	2190	.458	2380	.570	2570	.715	2820	.876			795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950			855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613					760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32					1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212		2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																					
	433	2290	.193	2580	.250	2860	.318	3180	.410						468	2390	.241	2740	.290	2995	.361	3220	.453					505	2530	.272	2860	.347	3080	.410	3340	.500					540	2630	.321	2990	.407	3220	.475	3410	.558					575	2740	.372	3120	.470	3350	.540	3540	.618					648	2990	.490	3360	.625	3640	.707	3810	.793					720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544					683	1830	.304	2060	.393	2280	.500	2540	.646	2750	.806				740	1915	.364	2190	.458	2380	.570	2570	.715	2820	.876			795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950			855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727					913	1580	.408	1770	.525	1980	.670	2190	.865		2390	1.08	2510	1.31	988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57					1965	1085	.880	1220	1.13	1355	1.45		1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48		1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14		1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																													
	468	2390	.241	2740	.290	2995	.361	3220	.453						505	2530	.272	2860	.347	3080	.410	3340	.500					540	2630	.321	2990	.407	3220	.475	3410	.558					575	2740	.372	3120	.470	3350	.540	3540	.618					648	2990	.490	3360	.625	3640	.707	3810	.793					720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750	.806			740	1915	.364	2190	.458	2380	.570	2570	.715	2820		.876			795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950			855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613	2070	.760		2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17		1440	1.57					1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05	1300		1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06		1095	1.52	1212	2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780		957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755		945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03		1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																					
	505	2530	.272	2860	.347	3080	.410	3340	.500						540	2630	.321	2990	.407	3220	.475	3410	.558					575	2740	.372	3120	.470	3350	.540	3540	.618					648	2990	.490	3360	.625	3640	.707	3810	.793					720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750		.806			740	1915	.364	2190	.458	2380	.570	2570	.715	2820	.876			795	2030	.430	2290	.546	2460	.650	2670	.786		2840	.950			855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670		2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735		2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17		1440	1.57					1965	1085	.880	1220		1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290		1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06		1095	1.52	1212	2.04					2570		915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412		3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755		945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195		2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																													
	540	2630	.321	2990	.407	3220	.475	3410	.558						575	2740	.372	3120	.470	3350	.540	3540	.618					648	2990	.490	3360	.625	3640	.707	3810	.793					720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750		.806			740	1915	.364	2190	.458	2380	.570	2570	.715		2820	.876			795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950			855	2100	.508	2390	.643	2570	.750	2730		.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670		2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613		2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675		2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17		1440	1.57					1965	1085	.880	1220		1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130		1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73		1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06		1095	1.52	1212	2.04					2570		915	1.14	1030	1.48	1145	1.89	1270	2.45	1380		3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230		2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755		945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145		1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000		1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																					
	575	2740	.372	3120	.470	3350	.540	3540	.618						648	2990	.490	3360	.625	3640	.707	3810	.793					720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750		.806			740	1915	.364	2190	.458	2380	.570	2570	.715		2820	.876			795	2030	.430	2290	.546	2460	.650	2670		.786	2840	.950			855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855		2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670		2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613		2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575		1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215		1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17		1440	1.57					1965	1085	.880	1220		1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130		1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52		1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620		2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06		1095	1.52	1212	2.04					2570		915	1.14	1030	1.48	1145	1.89	1270	2.45	1380		3.03	1455	3.69	2780	957	1.37	1095	1.73	1195		2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050		1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755		945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145		1.89	1270	2.45	1380	3.03	1455	3.69	2780		957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97		1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																													
	648	2990	.490	3360	.625	3640	.707	3810	.793						720	3260	.650	3570	.793	3860	.910	4080	.988					830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750		.806			740	1915	.364	2190	.458	2380	.570	2570	.715		2820	.876			795	2030	.430	2290	.546	2460	.650	2670		.786	2840	.950			855	2100	.508	2390	.643	2570	.750		2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900		1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670		2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613		2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575		1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140		1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740		1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17		1440	1.57					1965	1085	.880	1220		1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130		1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52		1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585		2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14		1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06		1095	1.52	1212	2.04					2570		915	1.14	1030	1.48	1145	1.89	1270	2.45	1380		3.03	1455	3.69	2780	957	1.37	1095	1.73	1195		2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015		1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93		1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755		945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145		1.89	1270	2.45	1380	3.03	1455	3.69	2780		957	1.37	1095	1.73	1195	2.14	1285	2.69		1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192		2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																					
	720	3260	.650	3570	.793	3860	.910	4080	.988						830	3600	.890	4080	1.120	4410	1.220	4740	1.320					940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750		.806			740	1915	.364	2190	.458	2380	.570	2570	.715		2820	.876			795	2030	.430	2290	.546	2460	.650	2670		.786	2840	.950			855	2100	.508	2390	.643	2570	.750		2730	.883	2870	1.05			910	2190	.590	2500	.745	2680		.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25		3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670		2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613		2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575		1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140		1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710		1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760		1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17		1440	1.57					1965	1085	.880	1220		1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130		1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52		1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585		2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85		1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420		2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06		1095	1.52	1212	2.04					2570		915	1.14	1030	1.48	1145	1.89	1270	2.45	1380		3.03	1455	3.69	2780	957	1.37	1095	1.73	1195		2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015		1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61		1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22		1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755		945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145		1.89	1270	2.45	1380	3.03	1455	3.69	2780		957	1.37	1095	1.73	1195	2.14	1285	2.69		1412	3.30	1495	3.93	3000	1015	1.62	1141		2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570		4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																													
	830	3600	.890	4080	1.120	4410	1.220	4740	1.320						940	3960	1.180	4440	1.440	4800	1.560	5100	1.640					2	455	1415	.122	1755	.215	2130	.240	2410	.458						568	1630	.200	1890	.281	2190	.403	2430	.544						683	1830	.304	2060	.393	2280	.500	2540	.646	2750		.806			740	1915	.364	2190	.458	2380	.570	2570	.715		2820	.876			795	2030	.430	2290	.546	2460	.650	2670		.786	2840	.950			855	2100	.508	2390	.643	2570	.750		2730	.883	2870	1.05			910	2190	.590	2500	.745	2680		.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980		2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310	2940	1.56	3180		1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670		2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613		2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575		1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140		1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710		1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580		1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820		2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17		1440	1.57					1965	1085	.880	1220		1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130		1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52		1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585		2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85		1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300		1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980		4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06		1095	1.52	1212	2.04					2570		915	1.14	1030	1.48	1145	1.89	1270	2.45	1380		3.03	1455	3.69	2780	957	1.37	1095	1.73	1195		2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015		1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61		1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82		1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93		1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205		1.73					2140	816	.755		945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145		1.89	1270	2.45	1380	3.03	1455	3.69	2780		957	1.37	1095	1.73	1195	2.14	1285	2.69		1412	3.30	1495	3.93	3000	1015	1.62	1141		2.06	1230	2.45	1335	2.97	1422	3.61	1518		4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22		1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																					
940	3960	1.180	4440	1.440	4800	1.560	5100	1.640																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
2	455	1415	.122	1755	.215	2130	.240	2410	.458					568	1630	.200	1890	.281	2190	.403	2430	.544					683		1830	.304	2060	.393	2280	.500	2540	.646	2750	.806				740	1915	.364	2190	.458	2380	.570	2570	.715	2820	.876				795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950				855	2100	.508	2390	.643	2570	.750	2730	.883	2870		1.05			910	2190	.590	2500	.745	2680	.855	2830	.978		2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050		1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43		3265	1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613					760	1410	.267	1630	.376	1890	.540	2100	.727					913	1580		.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31		988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17		2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05		2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995		2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990		2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04		2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520		2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32					1640	970	.577	1120	.815	1295	1.17	1440	1.57					1965	1085	.880		1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675		2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96		1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420		1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620		1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28		1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810		3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030		1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69		1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06		1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210		1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435		3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340		3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200		2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48		1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285		2.69	1412	3.30	1495	3.93	3000	1015	1.62		1141	2.06	1230	2.45	1335	2.97	1422	3.61		1518	4.25	3210	1050	1.90	1192	2.43	1290		2.82	1365	3.32	1435	3.93	1570	4.62	3420		1100	2.20	1245	2.79	1340	3.22	1415	3.67		1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																						
	568	1630	.200	1890	.281	2190	.403	2430	.544					683	1830	.304	2060	.393	2280	.500	2540	.646	2750	.806			740		1915	.364	2190	.458	2380	.570	2570	.715	2820	.876				795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950				855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05				910	2190	.590	2500	.745	2680	.855	2830	.978	2980		1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25		3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265		1.56	3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727					913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31	988	1650		.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40		1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27		2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18		2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14		2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32		2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37		2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57					1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05		1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685		2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16		1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480		2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950		1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98		1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095		1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97		1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43		1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420		1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496		4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455		4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73		1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335		2.97	1422	3.61	1518	4.25	3210	1050	1.90		1192	2.43	1290	2.82	1365	3.32	1435	3.93		1570	4.62	3420	1100	2.20	1245	2.79	1340		3.22	1415	3.67	1496	4.27	1585	4.96	3850		1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																				
	683	1830	.304	2060	.393	2280	.500	2540	.646	2750	.806			740	1915	.364	2190	.458	2380	.570	2570	.715	2820	.876			795		2030	.430	2290	.546	2460	.650	2670	.786	2840	.950				855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05				910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14				1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180		1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56		3380	1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745		.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51		1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40		2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30		2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49		2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66		2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23		1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700		3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51		1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595		2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280		1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141		2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32		1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79		1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850		1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590		5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06		1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365		3.32	1435	3.93	1570	4.62	3420	1100	2.20		1245	2.79	1340	3.22	1415	3.67	1496	4.27		1585	4.96	3850	1200	2.93	1340	3.71	1455		4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																		
	740	1915	.364	2190	.458	2380	.570	2570	.715	2820	.876			795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950			855		2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05				910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14				1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38				1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380		1.75			1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31		988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810		.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64		1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53		2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70		2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92		2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46		1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770		3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22		1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695		3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192		2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67		1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71		1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280		1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43		1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415		3.67	1496	4.27	1585	4.96	3850	1200	2.93		1340	3.71	1455	4.21	1525	4.72	1590	5.20		1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																
	795	2030	.430	2290	.546	2460	.650	2670	.786	2840	.950			855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910		2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14				1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38				1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75				1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31		988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40		1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895		.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76		1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84		2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08		2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70		1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890		3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14		1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245		2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72		1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73		1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79		1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525		4.72	1590	5.20	1675	5.83	4280	1310	3.87		1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																														
	855	2100	.508	2390	.643	2570	.750	2730	.883	2870	1.05			910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020		2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38				1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75				1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31		988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40		1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51		1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070		1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07		1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32		3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24		1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000		5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340		3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87		1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71		1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630		5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																												
	910	2190	.590	2500	.745	2680	.855	2830	.978	2980	1.14			1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135		2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75				1310	2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31		988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40		1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51		1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64		1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250		1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95		1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425		4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73		1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																										
	1020	2400	.775	2690	.980	2900	1.11	3050	1.25	3180	1.38			1135	2610	1.12	2860	1.25	3080	1.43	3265	1.56	3380	1.75			1310		2940	1.56	3180	1.75	3430	1.95	3630	2.15	3760	2.35			3	608	1220	.164	1515	.287	1830	.443	2080	.613						760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31		988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40		1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51		1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64		1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76		1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540		1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88		1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515		5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80		1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																								
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3	608	1220	.164	1515	.287	1830	.443	2080	.613					760	1410	.267	1630	.376	1890	.540	2100	.727						913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31		988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40		1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51		1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64		1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76		1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07		1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32					1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																	
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	913	1580	.408	1770	.525	1980	.670	2190	.865	2390	1.08	2510	1.31	988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40		1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51		1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64		1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76		1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07		1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81	2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																													
	988	1650	.485	1890	.613	2070	.760	2220	.955	2440	1.17	2590	1.40	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51		1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64		1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76		1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07		1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																											
	1065	1745	.575	1980	.735	2140	.820	2310	1.05	2460	1.27	2620	1.51	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64		1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76		1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07		1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																									
	1140	1810	.675	2070	.860	2230	.995	2360	1.18	2480	1.40	2710	1.64	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76		1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07		1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53	2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																							
	1215	1895	.785	2160	.990	2320	1.14	2450	1.30	2580	1.53	2740	1.76	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07		1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81	2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																					
	1370	2070	1.04	2320	1.32	2520	1.49	2640	1.70	2760	1.84	2890	2.07	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51		1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45	3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																			
	1520	2250	1.37	2470	1.66	2670	1.92	2820	2.08	2920	2.32	3050	2.51	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55	4	1310	840	.353	1040	.618	1250	.950	1428	1.32						1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40	3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																	
	1710	2540	1.95	2760	2.35	3030	2.65	3240	2.95	3380	3.25	3530	3.55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
4	1310	840	.353	1040	.618	1250	.950	1428	1.32					1640	970	.577	1120	.815	1295	1.17	1440	1.57						1965	1085	.880	1220	1.13	1355	1.45	1509	1.86	1635	2.32	1720	2.81		2130	1135	1.05	1300	1.32	1415	1.70	1525	2.06	1675	2.52	1770	3.01		2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25		2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																												
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	2290	1200	1.23	1360	1.57	1465	1.96	1585	2.27	1685	2.73	1800	3.25	2460	1245	1.46	1420	1.85	1525	2.16	1620	2.54	1700	3.02	1860	3.53		2620	1300	1.70	1480	2.14	1585	2.51	1680	2.82	1770	3.28	1880	3.81		2950	1420	2.24	1595	2.84	1720	3.22	1810	3.61	1890	3.98	1980	4.45		3280	1545	2.95	1695	3.60	1830	4.14	1935	4.50	2000	5.00	2090	5.40		3610	1680	3.88	1810	4.68	1980	5.10	2070	5.60	2160	6.10	2250	6.60	5	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10	6	1710	710	.460	875	.810	1055	1.24	1205	1.73						2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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6	1710	710	.460	875	.810	1055	1.24	1205	1.73					2140	816	.755	945	1.06	1095	1.52	1212	2.04						2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	2140	816	.755	945	1.06	1095	1.52	1212	2.04					2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69		2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	2570	915	1.14	1030	1.48	1145	1.89	1270	2.45	1380	3.03	1455	3.69	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93		3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	2780	957	1.37	1095	1.73	1195	2.14	1285	2.69	1412	3.30	1495	3.93	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25		3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	3000	1015	1.62	1141	2.06	1230	2.45	1335	2.97	1422	3.61	1518	4.25	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62		3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	3210	1050	1.90	1192	2.43	1290	2.82	1365	3.32	1435	3.93	1570	4.62	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96		3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	3420	1100	2.20	1245	2.79	1340	3.22	1415	3.67	1496	4.27	1585	4.96	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83		4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	3850	1200	2.93	1340	3.71	1455	4.21	1525	4.72	1590	5.20	1675	5.83	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05		4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	4280	1310	3.87	1425	4.73	1545	5.40	1630	5.87	1690	6.55	1765	7.05	4710	1430	5.00	1515	5.80	1665	7.00	1740	7.60	1800	8.40	1890	9.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Above Capacities are Based on Air only at 70°F. and 29.92" Hg.

DIMENSIONS OF MEDIUM TYPE FANS



DIMENSIONS IN INCHES

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	Keyway	Wt.
1	6 ⁵ / ₈	7 ¹ / ₈	7 ⁵ / ₈	8 ⁹ / ₁₆	4 ¹ / ₂	5 ⁵ / ₈	8 ¹ / ₈	9 ⁵ / ₈	4 ¹ / ₄	5 ¹ / ₄	4 ⁷ / ₈	4 ¹ / ₈	5 ¹ / ₄	3 ⁷ / ₈	7 ¹ / ₄	5 ¹ / ₄	16 ³ / ₈	15 ¹⁵ / ₁₆	4 ³ / ₈	1 ¹ / ₄ " x 1 ¹ / ₈ "	80
2	8 ¹ / ₂	9 ¹ / ₈	9 ⁷ / ₈	10 ⁵ / ₈	5 ¹ / ₂	6 ³ / ₄	11 ³ / ₈	12 ³ / ₈	5	6	6	5	6	4 ³ / ₄	8 ¹ / ₂	6 ³ / ₈	19 ⁵ / ₈	13 ¹ / ₁₆	5 ¹ / ₈	1 ¹ / ₄ " x 1 ¹ / ₈ "	140
3	9	9 ³ / ₄	10 ¹ / ₂	11 ³ / ₄	6	7 ³ / ₈	12 ³ / ₈	13 ³ / ₄	5 ¹ / ₂	6 ³ / ₄	7	5 ³ / ₄	7 ¹ / ₈	4 ³ / ₄	9 ³ / ₄	7 ¹ / ₈	21 ⁵ / ₈	13 ¹ / ₁₆	5 ⁷ / ₈	1 ¹ / ₄ " x 1 ¹ / ₈ "	190
4	11 ⁵ / ₈	12 ³ / ₄	13 ³ / ₄	14 ⁷ / ₈	7 ¹ / ₂	8 ³ / ₄	15 ¹ / ₈	16 ¹ / ₂	6 ¹ / ₂	8	9	6 ¹ / ₂	9 ¹ / ₈	6	10 ⁷ / ₈	7 ⁷ / ₈	24 ³ / ₄	17 ¹ / ₁₆	8	3 ³ / ₈ " x 3 ¹ / ₁₆ "	260
5	14	15 ⁵ / ₈	16 ³ / ₄	18 ¹ / ₁₆	9 ¹ / ₂	10 ³ / ₄	17 ¹ / ₄	20 ³ / ₈	8 ¹ / ₂	9 ³ / ₄	11 ¹ / ₄	6 ³ / ₄	11	6 ⁵ / ₈	12 ³ / ₈	7 ¹ / ₁₆	26 ¹ / ₁₆	17 ¹ / ₁₆	9 ¹ / ₂	3 ³ / ₈ " x 3 ¹ / ₁₆ "	410
6	17 ¹ / ₄	18 ⁵ / ₈	20	21 ⁵ / ₈	11	12 ¹ / ₂	20 ³ / ₄	24 ³ / ₈	10	11 ¹ / ₂	13 ¹ / ₄	7	13	7 ⁵ / ₈	12 ³ / ₈	10	30	17 ¹ / ₁₆	11 ¹ / ₄	3 ³ / ₈ " x 3 ¹ / ₁₆ "	630

SHELDON SMALL INDUSTRIAL FANS

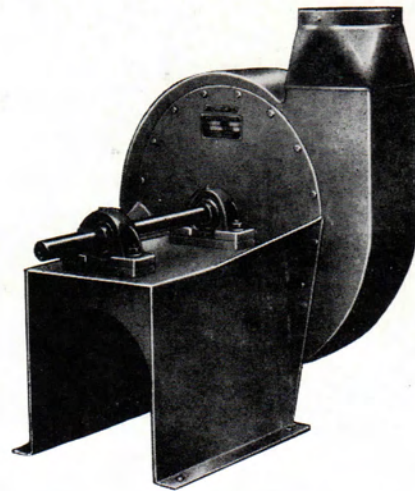
XE TYPE

On many applications involving the air conveying of materials, it is often necessary to provide systems requiring higher static pressure than can be obtained with the MEDIUM Type Fans shown on Page 2.

High static pressures will usually be required on systems needing strong suction at the pick-up hoods, such as high speed planers, paper trim systems, etc., and which normally employ a cyclone collector, such as that shown on Page 7.

Sheldons XE Type Fan is designed specifically to provide the higher pressures needed in such conveying applications.

With a heavy duty wheel, having 10 blades for higher efficiency, an all-welded fan case and bearing pedestal designed for really rugged service, the Sheldon XE Type Fan is available for small sized installations requiring any kind of exacting applications.



For installations where corrosion may be a problem, XE fans can be coated on the inside with such materials as HYPALON, NEOPRENE, POLYESTER FIBREGLASS, EPOXY FIBREGLASS, PLASTISOL. In general, these are limited to tipspeeds of about 15,000 fpm.

FEATURES . . .

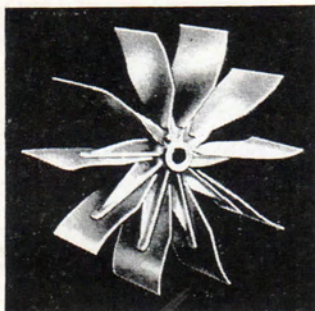
- Heavy cast steel hub with 10 steel plate welded blades.
- All wheels balanced electronically - vibration-free at all speeds.
- All-welded heavy steel plate fan casing - built to withstand wear from conveying material.
- Rigid steel plate bearing pedestal.
- Extra heavy duty ball bearings.
- Generous shaft diameter - keeps critical speed well above maximum operating range.
- Suitable for extra high static pressures - up to 16" w.g.
- Circular inlets and outlets to suit regular pipe sizes.
- Useful size range - 6", 7" and 9" diameter.
- Discharge position rotates to suit any application.
- Vee belt drive to give large variation in capacity and pressure.
- High static pressure ideal for strong suction at pick-up hoods.
- Excellent for handling wood chips, sawdust, plastic pellets, grain dust, etc.
- Small size makes fan location easier.

XE WHEELS

Because of the higher conveying pressures possible with the XE Type Fan, the XE Wheel has been specially designed for the severe service imposed on it.

A heavy cast steel spider hub, reinforced by cast ribs extending almost the length of the blade, provide the necessary strength for the high speeds and pressures possible with this fan. 10 steel plate blades are welded to this cast steel hub and the whole assembly carefully balanced dynamically.

Higher efficiencies are obtained from the XE Wheel than from the straight bladed MEDIUM Wheel, thus affecting a noticeable power saving at higher pressures.



PERFORMANCE TABLES — XE TYPE FANS

SIZE 6 XE

Wheel Diam. 13"
Max. Safe Speed 4730 rpm

cfm	Inlet vel. fpm	1½" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP	
		rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP
384	1928	1350	.16	1503	.20	1790	.30	2028	.39	2242	.50	2436	.61	2620	.72		
443	2225	1402	.20	1560	.25	1832	.35	2068	.46	2273	.57	2472	.63	2648	.81	2814	.93
496	2488	1458	.23	1598	.28	1870	.40	2105	.52	2312	.64	2505	.75	2675	.90	2842	1.02
543	2725	1518	.28	1651	.33	1908	.45	2136	.58	2344	.71	2532	.85	2705	.98	2868	1.12
586	2940	1578	.32	1707	.38	1942	.50	2170	.64	2372	.77	2560	.92	2733	1.07	2895	1.21
626	3140	1625	.36	1770	.43	1980	.55	2206	.70	2406	.84	2588	.99	2760	1.14	2925	1.31
665	3338	1675	.40	1798	.47	2025	.60	2230	.74	2435	.91	2618	1.07	2788	1.18	2950	1.38
700	3512	1717	.44	1850	.52	2067	.67	2260	.80	2465	.98	2644	1.14	2815	1.30	2973	1.47
767	3850	1825	.54	1947	.62	2150	.78	2335	.93	2520	1.09	2700	1.29	2865	1.46	3016	1.63
829	4160	1923	.64	2025	.72	2225	.89	2416	1.08	2580	1.23	2750	1.41	2916	1.62	3068	1.80
886	4440	2005	.74	2114	.84	2304	1.02	2476	1.19	2653	1.39	2796	1.53	2964	1.75	3120	1.98
940	4715			2150	.90	2380	1.15	2544	1.33	2716	1.54	2860	1.70	3016	1.92	3160	2.12
990	4970			2273	1.07	2453	1.28	2616	1.47	2768	1.67	2925	1.88	3068	2.08	3196	2.25
1038	5210					2528	1.42	2684	1.62	2833	1.83	2980	2.03	3115	2.22	3252	2.44
1085	5440					2586	1.54	2750	1.77	2884	1.96	3036	2.20	3173	2.42	3305	2.62

cfm	Inlet vel. fpm	9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP
384	1928																
443	2225	2975	1.06														
496	2488	3000	1.16														
543	2725	3026	1.27	3147	1.30	3290	1.44										
586	2940	3048	1.36	3172	1.41	3310	1.54	3450	1.71	3573	1.85						
626	3140	3072	1.45	3195	1.52	3335	1.67	3468	1.82	3596	1.98	3724	2.05	3847	2.33		
665	3338	3100	1.56	3218	1.62	3355	1.77	3490	1.95	3620	2.12	3745	2.27	3864	2.44	3980	2.62
700	3512	3120	1.64	3244	1.72	3375	1.88	3510	2.05	3640	2.23	3765	2.42	3885	2.59	4010	2.77
767	3850	3173	1.83	3265	1.81	3404	1.99	3540	2.19	3664	2.35	3790	2.54	3904	2.71	4020	2.89
829	4160	3213	2.00	3306	2.00	3447	2.19	3580	2.37	3708	2.60	3825	2.77	3940	2.96	4055	3.16
886	4440	3258	2.17	3355	2.20	3492	2.40	3620	2.61	3744	2.80	3865	3.01	3980	3.20	4090	3.39
940	4715	3308	2.36	3393	2.36	3527	2.58	3658	2.80	3790	3.04	3905	3.22	4020	3.45	4130	3.67
990	4970	3350	2.53	3435	2.56	3575	2.78	3696	3.01	3828	3.25	3944	3.44	4060	3.71	4170	3.90
1038	5210	3390	2.70	3484	2.76	3607	2.95	3735	3.21	3855	3.42	3975	3.66	4085	3.92	4200	4.15
1085	5440	3448	2.90	3520	2.91	3650	3.18	3773	3.42	3895	3.65	4015	3.91	4120	4.18	4235	4.36
				3570	3.14	3690	3.36	3813	3.63	3932	3.84	4040	4.07	4165	4.40	4270	4.62

Figures in heavy type indicate best operating point.

SIZE 7 XE

Wheel Diam. 15"
Max. Safe Speed 4105 rpm

cfm	Inlet vel. fpm	1½" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP	
		rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP
512	1928	1172	.21	1302	.26	1550	.40	1758	.53	1945	.66	2112	.81	2272	.96		
591	2225	1216	.26	1352	.33	1586	.47	1792	.62	1972	.76	2144	.92	2296	1.08	2440	1.24
660	2488	1262	.31	1387	.38	1620	.54	1824	.70	2005	.86	2170	1.00	2320	1.20	2464	1.36
724	2725	1315	.37	1430	.44	1655	.61	1852	.77	2032	.95	2196	1.13	2345	1.31	2488	1.50
782	2940	1368	.43	1480	.50	1683	.66	1882	.85	2055	1.03	2220	1.23	2370	1.42	2510	1.61
835	3140	1408	.48	1534	.57	1717	.73	1912	.93	2088	1.13	2245	1.32	2392	1.53	2536	1.75
886	3338	1452	.54	1558	.63	1753	.80	1933	.99	2112	1.21	2270	1.42	2415	1.58	2555	1.84
933	3512	1488	.58	1604	.70	1792	.89	1958	1.07	2135	1.30	2292	1.51	2440	1.74	2580	1.97
1024	3850	1582	.72	1650	.83	1864	1.04	2025	1.24	2185	1.46	2340	1.71	2484	1.94	2618	2.18
1105	4160	1668	.86	1753	.96	1930	1.19	2095	1.44	2236	1.64	2385	1.88	2528	2.16	2660	2.40
1182	4440	1737	.98	1832	1.12	1995	1.36	2147	1.59	2300	1.85	2425	2.04	2568	2.34	2705	2.64
1254	4715			1864	1.20	2062	1.53	2204	1.77	2355	2.05	2480	2.27	2615	2.57	2740	2.83
1320	4970			1972	1.43	2128	1.70	2268	1.97	2405	2.23	2535	2.51	2660	2.78	2772	3.01
1384	5210					2190	1.89	2326	2.16	2454	2.45	2584	2.70	2700	2.97	2820	3.25
1447	5440					2242	2.05	2384	2.36	2500	2.61	2632	2.93	2752	3.22	2865	3.49

cfm	Inlet vel. fpm	9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP
512	1928																
591	2225	2580	1.42														
660	2488	2600	1.55														
724	2725	2625	1.69	2728	1.73	2854	1.92										
782	2940	2645	1.82	2750	1.88	2870	2.06	2990	2.29	3100	2.47						
835	3140	2665	1.93	2772	2.02	2892	2.23	3008	2.42	3120	2.64	3228	2.74	3333	3.11		
886	3338	2688	2.08	2790	2.17	2908	2.36	3026	2.61	3140	2.83	3247	3.03	3348	3.26	3452	3.49
933	3512	2705	2.18	2812	2.29	2927	2.51	3044	2.73	3156	2.98	3265	3.23	3365	3.45	3472	3.69
1024	3850	2752	2.44	2830	2.42	2950	2.66	3068	2.93	3175	3.14	3288	3.38	3385	3.61	3484	3.86
1105	4160	2788	2.67	2868	2.66	2988	2.92	3104	3.17	3212	3.46	3315	3.70	3415	3.95	3512	4.22
1182	4440	2825	2.90	2910	2.93	3027	3.21	3140	3.48	3247	3.74	3352	4.02	3450	4.27	3548	4.52
1254	4715	2868	3.15	2940	3.16	3060	3.45	3172	3.74	3287	4.05	3385	4.30	3486	4.60	3584	4.90
1320	4970	2905	3.37	2980	3.41	3100	3.70	3205	4.01	3320	4.34	3418	4.59	3520	4.95	3615	5.20
1384	5210	2940	3.59	3020	3.68	3127	3.93	3240	4.28	3345	4.56	3447	4.89	3545	5.20	3640	5.50
1447	5440	2988	3.87	3050	3.88	3164	4.25	3272	4.54	3380	4.87	3480	5.20	3575	5.60	3672	5.80
				3095	4.19	3200	4.48	3308	4.85	3412	5.10	3508	5.40	3612	5.90	3700	6.20

Figures in heavy type indicate best operating point.

PERFORMANCE TABLES — XE TYPE FANS

SIZE **9** XE

Wheel Dia. 19"
Max. Safe Speed 3244 rpm

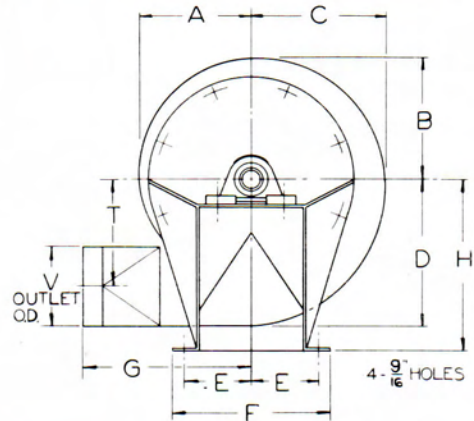
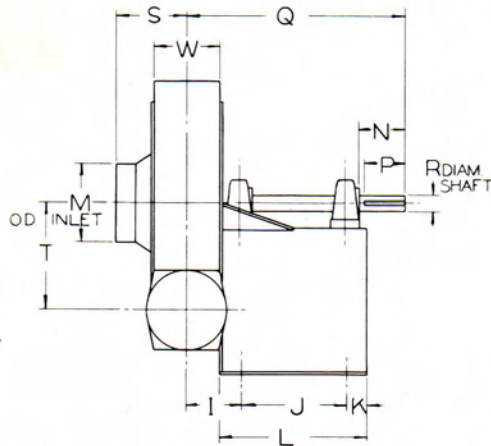
cfm	Inlet vel. fpm	1½" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP	
		rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP
670	1570	886	.27	1002	.35	1192	.51	1365	.71	1514	.90						
822	1928	924	.34	1028	.42	1225	.64	1388	.84	1525	1.07	1670	1.30	1795	1.54		
949	2225	961	.42	1068	.53	1253	.75	1415	.99	1558	1.23	1692	1.48	1814	1.73	1928	1.99
1060	2488	998	.50	1095	.61	1280	.86	1442	1.12	1584	1.38	1715	1.61	1832	1.93	1948	2.18
1162	2725	1038	.59	1130	.70	1307	.97	1463	1.24	1605	1.53	1734	1.82	1852	2.10	1965	2.40
1256	2940	1080	.69	1168	.81	1330	1.07	1487	1.37	1624	1.66	1754	1.97	1873	2.28	1983	2.58
1341	3140	1112	.77	1212	.92	1355	1.17	1510	1.50	1650	1.81	1773	2.12	1890	2.45	2004	2.80
1422	3338	1147	.86	1230	1.00	1384	1.29	1528	1.59	1668	1.95	1795	2.28	1908	2.54	2020	2.96
1498	3512	1174	.94	1266	1.12	1415	1.43	1548	1.72	1687	2.09	1812	2.43	1928	2.78	2038	3.16
1642	3850	1249	1.16	1326	1.33	1470	1.66	1598	1.98	1725	2.34	1850	2.76	1962	3.12	2068	3.50
1775	4160	1317	1.38	1384	1.55	1524	1.92	1655	2.30	1768	2.62	1884	3.02	1998	3.47	2104	3.85
1897	4440	1372	1.60	1447	1.80	1576	2.18	1698	2.56	1817	2.97	1915	3.28	2028	3.75	2136	4.24
2014	4715			1472	1.93	1628	2.45	1742	2.84	1862	3.30	1960	3.64	2068	4.12	2165	4.55
2120	4970			1557	2.29	1682	2.74	1792	3.16	1900	3.58	2004	4.03	2100	4.46	2190	4.83
2224	5210					1732	3.04	1838	3.48	1940	3.93	2040	4.34	2134	4.77	2228	5.20
2323	5440					1772	3.30	1884	3.79	1975	4.19	2080	4.70	2175	5.20	2264	5.60

cfm	Inlet vel. fpm	9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP	rpm	HP
670	1570																
822	1928																
949	2225	2040	2.28														
1060	2488	2054	2.48	2155	2.79	2255	3.09										
1162	2725	2072	2.72	2172	3.02	2270	3.31	2364	3.68	2448	3.97						
1256	2940	2088	2.92	2190	3.25	2286	3.58	2375	3.89	2465	4.23	2550	4.40	2633	4.99		
1341	3140	2105	3.10	2205	3.48	2300	3.79	2392	4.19	2480	4.55	2566	4.86	2645	5.20	2727	5.6
1422	3338	2125	3.34	2223	3.68	2312	4.03	2405	4.39	2495	4.79	2580	5.20	2660	5.60	2744	5.9
1498	3512	2136	3.50	2238	3.88	2332	4.26	2424	4.70	2508	5.00	2596	5.40	2675	5.80	2752	6.2
1642	3850	2173	3.91	2266	4.28	2360	4.69	2450	5.10	2540	5.60	2620	5.90	2700	6.40	2776	6.8
1775	4160	2202	4.29	2300	4.70	2392	5.20	2480	5.60	2564	6.00	2648	6.50	2728	6.90	2804	7.3
1897	4440	2232	4.65	2326	5.10	2418	5.50	2506	6.00	2596	6.50	2672	6.90	2755	7.40	2830	7.9
2014	4715	2267	5.10	2355	5.50	2450	6.00	2532	6.50	2625	7.00	2700	7.20	2780	8.00	2856	8.4
2120	4970	2294	5.40	2387	5.90	2470	6.30	2560	6.90	2640	7.30	2725	7.80	2800	8.40	2880	8.9
2224	5210	2324	5.80	2410	6.20	2500	6.80	2586	7.30	2670	7.80	2750	8.40	2824	9.00	2900	9.4
2323	5440	2360	6.20	2447	6.70	2528	7.20	2612	7.80	2696	8.20	2770	8.70	2855	9.40	2925	9.9

Figures in heavy type indicate best operating point.

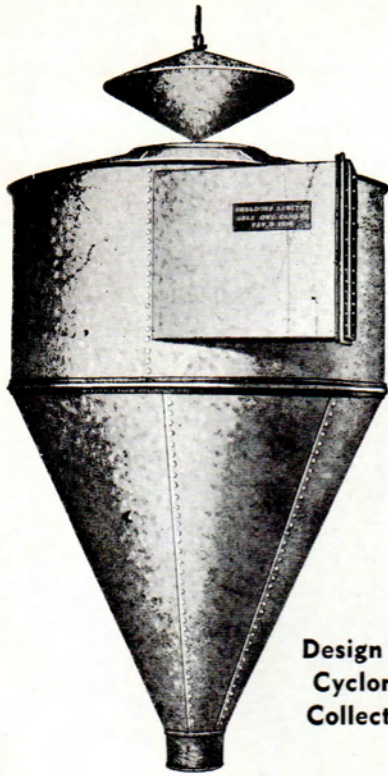
Dimensions of XE Type Fans

Arr. 1. — Reversible Discharge



Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	V	W	Key-way	Wt.
6	8¾	9¾	10¾	11¾	5¾	12	12	12	4	8	1½	11	6	3¾	3	16½	1¾	5¾	8¾	6	5	¼ x ½	100
7	9¾	10¾	11¾	12¾	6	14	13½	14¾	4¼	11¾	1½	14¾	7	4	2¾	20¾	1¾	7	9¼	7	5½	¼ x ½	140
9	12¼	13½	14¾	16¼	8¾	18¼	17½	18	5	13	1½	16	9	5¾	3¾	24¾	1¾	8¾	11¾	9	7	¾ x ¾	220

SHELDON CYCLONE DUST COLLECTORS



**Design 3c
Cyclone
Collector**

For collecting shavings or refuse from almost every kind of exhaust system, the cyclone type of collector is simple and efficient. For ordinary work these collectors are made of heavy gauge galvanized iron with seams rivetted and soldered. Where highly abrasive materials are to be collected we furnish collectors of heavy plate with all joints electrically welded. The dust collector should always be of ample size to keep down resistance or back pressure on the exhaust fan. Considering that a well proportioned collector will offer a resistance of $1\frac{1}{2}$ " S.P., it is realized that with a smaller collector the resistance will be much greater. Added resistance means added horse power.

The recommended sizes of collectors for the various sizes of exhaust fans are as follows:

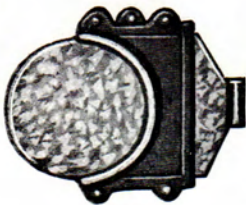
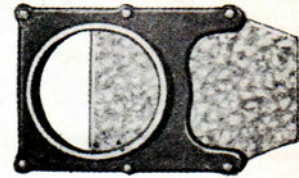
Fan Outlet Pipe Diameter	Dia. Collector	Fan Outlet Pipe Diameter	Dia. Collector
10	42"	19	84
11	48"	21	84
13	54"	23	96
15	60"	26	108
17	72"	30	120

Cyclone Dust Collectors are not 100% effective in recovering the finer dusts. Where fine dust is to be collected, we recommend using a skimmer and spiral in the cyclone, in order to obtain the most effective dust recovery.

The Double Collar Blast Gate

Consists of two castings bolted together and provided with a slot in which a heavy galvanized iron slide operates. The galvanized steel duct fits over the collars of the blast gates.

Made in Sizes from 2" to 30"



The Semi-Circular Blast Gate

While not quite as air-tight as the double-collar gate, may be used in many cases. The cast-iron frame of the blast gate is rivetted to the outside of the duct.

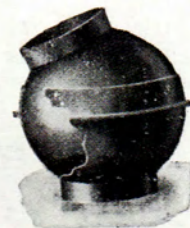
Made in Sizes from 3" to 13"

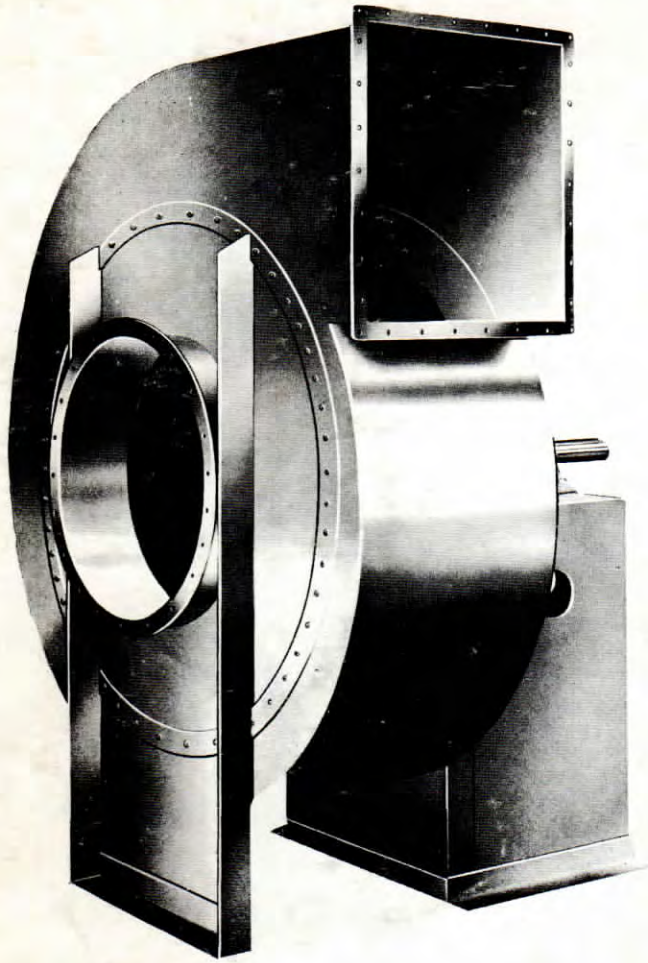
Universal Ball Joint

Is made in cast aluminum, having two collars to which the piping is connected. These joints are used on branch pipes from sticker heads, matcher heads and other heads made for side-wise adjustments.

Standard Sizes 4" to 9"

Supplied in Cast Aluminum unless otherwise ordered





SHELDON INDUSTRIAL FANS

For applications involving greater capacities than those available with the MEDIUM and XE type fans discussed in this catalogue, Sheldons offer a very wide range of INDUSTRIAL FANS.

These fans are available with a choice of 4 wheel types to meet a wide variety of airhandling requirements such as heavy duty air conveying, material conveying, induced draft service and similar applications.

Designed for extra heavy duty, these Sheldon INDUSTRIAL FANS are rated for pressures up to 16" SP and capacities of 100,000 cfm or higher, in sizes from 11" dia. to 60" dia. inlets.

Write for Catalogue #420 for full information.

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