

ב
ע
מ
יאיר ארז

B.Sc



נייד: 052-2318472

טלפקס: 09-7466688

ייעוץ ומכירות

שמנים, גריזים וכימיקלים לתעשייה

רח' יהודה 10 רמת-גן 52504
e-mail: yairerez@zahav.net.il
www.yairerez.co.il

TEMPERATURE CONVERSIONS

	DEGREES			
	CENTIGRADE	FAHRENHEIT	ABSOLUTE (KELVIN)	RANKINE
Absolute zero	-273.16	-459.58	0	0
Boiling point of water	100	212	373.2	671.6
Freezing point of water	0	32	273.2	491.6
Room temperature	25	77	298.2	536.6

$$^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$$

$$^{\circ}\text{F} = 9/5 ^{\circ}\text{C} + 32$$

$$^{\circ}\text{F} = ^{\circ}\text{R} - 459.58$$

$$^{\circ}\text{R} = ^{\circ}\text{F} + 459.58$$

$$^{\circ}\text{K} = ^{\circ}\text{C} + 273.16$$

$$^{\circ}\text{K} = 5/9 ^{\circ}\text{R}$$

יאיר ארז
B.Sc



נייד: 052-2318472

טלפקס: 09-7466688

ייעוץ ומכירות

שמנים, גרזים וכימיקלים לתעשייה

רח' יהודה 10 רמת-גן 52504
e-mail: yairerez@zahav.net.il
www.yairerez.co.il

Temperature Conversion Table

To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C
-148.0	-100	-73.33	-13.0	-25	-31.67	122.0	50	10.00	257.0	125	51.67
-146.2	-99	-72.78	-11.2	-24	-31.11	123.8	51	10.56	258.8	126	52.22
-144.4	-98	-72.22	-9.4	-23	-30.56	125.6	52	11.11	260.6	127	52.78
-142.6	-97	-71.67	-7.6	-22	-30.00	127.4	53	11.67	262.4	128	53.33
-140.8	-96	-71.11	-5.8	-21	-29.44	129.2	54	12.22	264.2	129	53.89
-139.0	-95	-70.56	-4.0	-20	-28.89	131.0	55	12.78	266.0	130	54.44
-137.2	-94	-70.00	-2.2	-19	-28.33	132.8	56	13.33	267.8	131	55.00
-135.4	-93	-69.44	-0.4	-18	-27.78	134.6	57	13.89	269.6	132	55.56
-133.6	-92	-68.89	+1.4	-17	-27.22	136.4	58	14.44	271.4	133	56.11
-131.8	-91	-68.33	+3.2	-16	-26.67	138.2	59	15.00	273.2	134	56.67
-130.0	-90	-67.78	+5.0	-15	-26.11	140.0	60	15.56	275.0	135	57.22
-128.2	-89	-67.22	+6.8	-14	-25.56	141.8	61	16.11	276.8	136	57.78
-126.4	-88	-66.67	+8.6	-13	-25.00	143.6	62	16.67	278.6	137	58.33
-124.6	-87	-66.11	+10.4	-12	-24.44	145.4	63	17.22	280.4	138	58.89
-122.8	-86	-65.56	+12.2	-11	-23.89	147.2	64	17.78	282.2	139	59.44
-121.0	-85	-65.00	+14.0	-10	-23.33	149.0	65	18.33	284.0	140	60.00
-119.2	-84	-64.44	+15.8	-9	-22.78	150.8	66	18.89	285.8	141	60.56
-117.4	-83	-63.89	+17.6	-8	-22.22	152.6	67	19.44	287.6	142	61.11
-115.6	-82	-63.33	+19.4	-7	-21.67	154.4	68	20.00	289.4	143	61.67
-113.8	-81	-62.78	+21.2	-6	-21.11	156.2	69	20.56	291.2	144	62.22
-112.0	-80	-62.22	+23.0	-5	-20.56	158.0	70	21.11	293.0	145	62.78
-110.2	-79	-61.67	+24.8	-4	-20.00	159.8	71	21.67	294.8	146	63.33
-108.4	-78	-61.11	+26.6	-3	-19.44	161.6	72	22.22	296.6	147	63.89
-106.6	-77	-60.56	+28.4	-2	-18.89	163.4	73	22.78	298.4	148	64.44
-104.8	-76	-60.00	+30.2	-1	-18.33	165.2	74	23.33	300.2	149	65.00
-103.0	-75	-59.44	+32.0	0	-17.78	167.0	75	23.89	302.0	150	65.56
-101.2	-74	-58.89	+33.8	+1	-17.22	168.8	76	24.44	303.8	151	66.11
-99.4	-73	-58.33	+35.6	+2	-16.67	170.6	77	25.00	305.6	152	66.67
-97.6	-72	-57.78	+37.4	+3	-16.11	172.4	78	25.56	307.4	153	67.22
-95.8	-71	-57.22	+39.2	+4	-15.56	174.2	79	26.11	309.2	154	67.78
-94.0	-70	-56.67	+41.0	+5	-15.00	176.0	80	26.67	311.0	155	68.33
-92.2	-69	-56.11	+42.8	+6	-14.44	177.8	81	27.22	312.8	156	68.89
-90.4	-68	-55.56	+44.6	+7	-13.89	179.6	82	27.78	314.6	157	69.44
-88.6	-67	-55.00	+46.4	+8	-13.33	181.4	83	28.33	316.4	158	70.00
-86.8	-66	-54.44	+48.2	+9	-12.78	183.2	84	28.89	318.2	159	70.56
-85.0	-65	-53.89	+50.0	+10	-12.22	185.0	85	29.44	320.0	160	71.11
-83.2	-64	-53.33	+51.8	+11	-11.67	186.8	86	30.00	321.8	161	71.67
-81.4	-63	-52.78	+53.6	+12	-11.11	188.6	87	30.56	323.6	162	72.22
-79.6	-62	-52.22	+55.4	+13	-10.56	190.4	88	31.11	325.4	163	72.78
-77.8	-61	-51.67	+57.2	+14	-10.00	192.2	89	31.67	327.2	164	73.33
-76.0	-60	-51.11	+59.0	+15	-9.44	194.0	90	32.22	329.0	165	73.89
-74.2	-59	-50.56	+60.8	+16	-8.89	195.8	91	32.78	330.8	166	74.44
-72.4	-58	-50.00	+62.6	+17	-8.33	197.6	92	33.33	332.6	167	75.00
-70.6	-57	-49.44	+64.4	+18	-7.78	199.4	93	33.89	334.4	168	75.56
-68.8	-56	-48.89	+66.2	+19	-7.22	201.2	94	34.44	336.2	169	76.11
-67.0	-55	-48.33	+68.0	+20	-6.67	203.0	95	35.00	338.0	170	76.67
-65.2	-54	-47.78	+69.8	+21	-6.11	204.8	96	35.56	339.8	171	77.22
-63.4	-53	-47.22	+71.6	+22	-5.56	206.6	97	36.11	341.6	172	77.78
-61.6	-52	-46.67	+73.4	+23	-5.00	208.4	98	36.67	343.4	173	78.33
-59.8	-51	-46.11	+75.2	+24	-4.44	210.2	99	37.22	345.2	174	78.89
-58.0	-50	-45.56	+77.0	+25	-3.89	212.0	100	37.78	347.0	175	79.44
-56.2	-49	-45.00	+78.8	+26	-3.33	213.8	101	38.33	348.8	176	80.00
-54.4	-48	-44.44	+80.6	+27	-2.78	215.6	102	38.89	350.6	177	80.56
-52.6	-47	-43.89	+82.4	+28	-2.22	217.4	103	39.44	352.4	178	81.11
-50.8	-46	-43.33	+84.2	+29	-1.67	219.2	104	40.00	354.2	179	81.67
-49.0	-45	-42.78	+86.0	+30	-1.11	221.0	105	40.56	356.0	180	82.22
-47.2	-44	-42.22	+87.8	+31	-0.56	222.8	106	41.11	357.8	181	82.78
-45.4	-43	-41.67	+89.6	+32	0.00	224.6	107	41.67	359.6	182	83.33
-43.6	-42	-41.11	+91.4	+33	+0.56	226.4	108	42.22	361.4	183	83.89
-41.8	-41	-40.56	+93.2	+34	+1.11	228.2	109	42.78	363.2	184	84.44
-40.0	-40	-40.00	+95.0	+35	+1.67	230.0	110	43.33	365.0	185	85.00
-38.2	-39	-39.44	+96.8	+36	+2.22	231.8	111	43.89	366.8	186	85.56
-36.4	-38	-38.89	+98.6	+37	+2.78	233.6	112	44.44	368.6	187	86.11
-34.6	-37	-38.33	+100.4	+38	+3.33	235.4	113	45.00	370.4	188	86.67
-32.8	-36	-37.78	+102.2	+39	+3.89	237.2	114	45.56	372.2	189	87.22
-31.0	-35	-37.22	+104.0	+40	+4.44	239.0	115	46.11	374.0	190	87.78
-29.2	-34	-36.67	+105.8	+41	+5.00	240.8	116	46.67	375.8	191	88.33
-27.4	-33	-36.11	+107.6	+42	+5.56	242.6	117	47.22	377.6	192	88.89
-25.6	-32	-35.56	+109.4	+43	+6.11	244.4	118	47.78	379.4	193	89.44
-23.8	-31	-35.00	+111.2	+44	+6.67	246.2	119	48.33	381.2	194	90.00
-22.0	-30	-34.44	+113.0	+45	+7.22	248.0	120	48.89	383.0	195	90.56
-20.2	-29	-33.89	+114.8	+46	+7.78	249.8	121	49.44	384.8	196	91.11

יאיר ארז
B.Sc



נייד: 052-2318472
טלפקס: 09-7466688

ייעוץ ומכירות

שמנים, גרזים וכימיקלים לתעשיה

רח' יהודה 10 רמת-גן 52504
e-mail: yairerez@zahav.net.il
www.yairerez.co.il

Temperature Conversion Table

To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C
392.0	200	93.33	527.0	275	135.00	622.0	350	176.67	797.0	425	218.39
393.8	201	93.89	528.8	276	135.56	663.8	351	177.22	798.8	426	218.89
395.6	202	94.44	530.6	277	136.11	665.6	352	177.78	800.6	427	219.44
397.4	203	95.00	532.4	278	136.67	667.4	353	178.33	802.4	428	220.00
399.2	204	95.56	534.2	279	137.22	669.2	354	178.89	804.2	429	220.56
401.0	205	96.11	536.0	280	137.78	671.0	355	179.44	806.0	430	221.11
402.8	206	96.67	537.8	281	138.33	672.8	356	180.00	807.8	431	221.67
404.6	207	97.22	539.6	282	138.89	674.6	357	180.56	809.6	432	222.22
406.4	208	97.78	541.4	283	139.44	676.4	358	181.11	811.4	433	222.78
408.2	209	98.33	543.2	284	140.00	678.2	359	181.67	813.2	434	223.33
410.0	210	98.89	545.0	285	140.56	680.0	360	182.22	815.0	435	223.89
411.8	211	99.44	546.8	286	141.11	681.8	361	182.78	816.8	436	224.44
413.6	212	100.00	548.6	287	141.67	683.6	362	183.33	818.6	437	225.00
415.4	213	100.56	550.4	288	142.22	685.4	363	183.89	820.4	438	225.56
417.2	214	101.11	552.2	289	142.78	687.2	364	184.44	822.2	439	226.11
419.0	215	101.67	554.0	290	143.33	689.0	365	185.00	824.0	440	226.67
420.8	216	102.22	555.8	291	143.89	690.8	366	185.56	825.8	441	227.22
422.6	217	102.78	557.6	292	144.44	692.6	367	186.11	827.6	442	227.78
424.4	218	103.33	559.4	293	145.00	694.4	368	186.67	829.4	443	228.33
426.2	219	103.89	561.2	294	145.56	696.2	369	187.22	831.2	444	228.89
428.0	220	104.44	563.0	295	146.11	698.0	370	187.78	833.0	445	229.44
429.8	221	105.00	564.8	296	146.67	699.8	371	188.33	834.8	446	230.00
431.6	222	105.56	566.6	297	147.22	701.6	372	188.89	836.6	447	230.56
433.4	223	106.11	568.4	298	147.78	703.4	373	189.44	838.4	448	231.11
435.2	224	106.67	570.2	299	148.33	705.2	374	190.00	840.2	449	231.67
437.0	225	107.22	572.0	300	148.89	707.0	375	190.56	842.0	450	232.22
438.8	226	107.78	573.8	301	149.44	708.8	376	191.11	843.8	451	232.78
440.6	227	108.33	575.6	302	150.00	710.6	377	191.67	845.6	452	233.33
442.4	228	108.89	577.4	303	150.56	712.4	378	192.22	847.4	453	233.89
444.2	229	109.44	579.2	304	151.11	714.2	379	192.78	849.2	454	234.44
446.0	230	110.00	581.0	305	151.67	716.0	380	193.33	851.0	455	235.00
447.8	231	110.56	582.8	306	152.22	717.8	381	193.89	852.8	456	235.56
449.6	232	111.11	584.6	307	152.78	719.6	382	194.44	854.6	457	236.11
451.4	233	111.67	586.4	308	153.33	721.4	383	195.00	856.4	458	236.67
453.2	234	112.22	588.2	309	153.89	723.2	384	195.56	858.2	459	237.22
455.0	235	112.78	590.0	310	154.44	725.0	385	196.11	860.0	460	237.78
456.8	236	113.33	591.8	311	155.00	726.8	386	196.67	861.8	461	238.33
458.6	237	113.89	593.6	312	155.56	728.6	387	197.22	863.6	462	238.89
460.4	238	114.44	595.4	313	156.11	730.4	388	197.78	865.4	463	239.44
462.2	239	115.00	597.2	314	156.67	732.2	389	198.33	867.2	464	240.00
464.0	240	115.56	599.0	315	157.22	734.0	390	198.89	869.0	465	240.56
465.8	241	116.11	600.8	316	157.78	735.8	391	199.44	870.8	466	241.11
467.6	242	116.67	602.6	317	158.33	737.6	392	200.00	872.6	467	241.67
469.4	243	117.22	604.4	318	158.89	739.4	393	200.56	874.4	468	242.22
471.2	244	117.78	606.2	319	159.44	741.2	394	201.11	876.2	469	242.78
473.0	245	118.33	608.0	320	160.00	743.0	395	201.67	878.0	470	243.33
474.8	246	118.89	609.8	321	160.56	744.8	396	202.22	879.8	471	243.89
476.6	247	119.44	611.6	322	161.11	746.6	397	202.78	881.6	472	244.44
478.4	248	120.00	613.4	323	161.67	748.4	398	203.33	883.4	473	245.00
480.2	249	120.56	615.2	324	162.22	750.2	399	203.89	885.2	474	245.56
482.0	250	121.11	617.0	325	162.78	752.0	400	204.44	887.0	475	246.11
483.8	251	121.67	618.8	326	163.33	753.8	401	205.00	888.8	476	246.67
485.6	252	122.22	620.6	327	163.89	755.6	402	205.56	890.6	477	247.22
487.4	253	122.78	622.4	328	164.44	757.4	403	206.11	892.4	478	247.78
489.2	254	123.33	624.2	329	165.00	759.2	404	206.67	894.2	479	248.33
491.0	255	123.89	626.0	330	165.56	761.0	405	207.22	896.0	480	248.89
492.8	256	124.44	627.8	331	166.11	762.8	406	207.78	897.8	481	249.44
494.6	257	125.00	629.6	332	166.67	764.6	407	208.33	899.6	482	250.00
496.4	258	125.56	631.4	333	167.22	766.4	408	208.89	901.4	483	250.56
498.2	259	126.11	633.2	334	167.78	768.2	409	209.44	903.2	484	251.11
500.0	260	126.67	635.0	335	168.33	770.0	410	210.00	905.0	485	251.67
501.8	261	127.22	636.8	336	168.89	771.8	411	210.56	906.8	486	252.22
503.6	262	127.78	638.6	337	169.44	773.6	412	211.11	908.6	487	252.78
505.4	263	128.33	640.4	338	170.00	775.4	413	211.67	910.4	488	253.33
507.2	264	128.89	642.2	339	170.56	777.2	414	212.22	912.2	489	253.89
509.0	265	129.44	644.0	340	171.11	779.0	415	212.78	914.0	490	254.44
510.8	266	130.00	645.8	341	171.67	780.8	416	213.33	915.8	491	255.00
512.6	267	130.56	647.6	342	172.22	782.6	417	213.89	917.6	492	255.56
514.4	268	131.11	649.4	343	172.78	784.4	418	214.44	919.4	493	256.11
516.2	269	131.67	651.2	344	173.33	786.2	419	215.00	921.2	494	256.67
518.0	270	132.22	653.0	345	173.89	788.0	420	215.56	923.0	495	257.22
519.8	271	132.78	654.8	346	174.44	789.8	421	216.11	924.8	496	257.78

יאיר ארז

B.Sc

יועץ ומכירות

שמנים, גריזים וכימיקלים לתעשייה

רח' יהודה 10 רמת-גן 52504
e-mail: yairerez@zahav.net.il
www.yairerez.co.il

נייד: 052-2318472

טלפקס: 09-7466688

Temperature Conversion Table

To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C
932.0	500	260.00	1067.0	575	301.67	1562.0	850	454.44	2237.0	1225	662.78
933.8	501	260.56	1068.8	576	302.22	1571.0	855	457.22	2246.0	1230	665.56
935.6	502	261.11	1070.6	577	302.78	1580.0	860	460.00	2255.0	1235	668.33
937.4	503	261.67	1072.4	578	303.33	1589.0	865	462.78	2264.0	1240	671.11
939.2	504	262.22	1074.2	579	303.89	1598.0	870	465.56	2273.0	1245	673.89
941.0	505	262.78	1076.0	580	304.44	1607.0	875	468.33	2282.0	1250	676.67
942.8	506	263.33	1077.8	581	305.00	1616.0	880	471.11	2291.0	1255	679.44
944.6	507	263.89	1079.6	582	305.56	1625.0	885	473.89	2300.0	1260	682.22
946.4	508	264.44	1081.4	583	306.11	1634.0	890	476.67	2309.0	1265	685.00
948.2	509	265.00	1083.2	584	306.67	1643.0	895	479.44	2318.0	1270	687.78
950.0	510	265.56	1085.0	585	307.22	1652.0	900	482.22	2327.0	1275	690.56
951.8	511	266.11	1086.8	586	307.78	1661.0	905	485.00	2336.0	1280	693.33
953.6	512	266.67	1088.6	587	308.33	1670.0	910	487.78	2345.0	1285	696.11
955.4	513	267.22	1090.4	588	308.89	1679.0	915	490.56	2354.0	1290	698.89
957.2	514	267.78	1092.2	589	309.44	1688.0	920	493.33	2363.0	1295	701.67
959.0	515	268.33	1094.0	590	310.00	1697.0	925	496.11	2372.0	1300	704.44
960.8	516	268.89	1095.8	591	310.56	1706.0	930	498.89	2381.0	1305	707.22
962.6	517	269.44	1097.6	592	311.11	1715.0	935	501.67	2390.0	1310	710.00
964.4	518	270.00	1099.4	593	311.67	1724.0	940	504.44	2399.0	1315	712.78
966.2	519	270.56	1101.2	594	312.22	1733.0	945	507.22	2408.0	1320	715.56
968.0	520	271.11	1103.0	595	312.78	1742.0	950	510.00	2417.0	1325	718.33
969.8	521	271.67	1104.8	596	313.33	1751.0	955	512.78	2426.0	1330	721.11
971.6	522	272.22	1106.6	597	313.89	1760.0	960	515.56	2435.0	1335	723.89
973.4	523	272.78	1108.4	598	314.44	1769.0	965	518.33	2444.0	1340	726.67
975.2	524	273.33	1110.2	599	315.00	1778.0	970	521.11	2453.0	1345	729.44
977.0	525	273.89	1112.0	600	315.56	1787.0	975	523.89	2462.0	1350	732.22
978.8	526	274.44	1121.0	605	318.33	1796.0	980	526.67	2471.0	1355	735.00
980.6	527	275.00	1130.0	610	321.11	1805.0	985	529.44	2480.0	1360	737.78
982.4	528	275.56	1139.0	615	323.89	1814.0	990	532.22	2489.0	1365	740.56
984.2	529	276.11	1148.0	620	326.67	1823.0	995	535.00	2498.0	1370	743.33
986.0	530	276.67	1157.0	625	329.44	1832.0	1000	537.78	2507.0	1375	746.11
987.8	531	277.22	1166.0	630	332.22	1841.0	1005	540.56	2516.0	1380	748.89
989.6	532	277.78	1175.0	635	335.00	1850.0	1010	543.33	2525.0	1385	751.67
991.4	533	278.33	1184.0	640	337.78	1859.0	1015	546.11	2534.0	1390	754.44
993.2	534	278.89	1193.0	645	340.56	1868.0	1020	548.89	2543.0	1395	757.22
995.0	535	279.44	1202.0	650	343.33	1877.0	1025	551.67	2552.0	1400	760.00
996.8	536	280.00	1211.0	655	346.11	1886.0	1030	554.44	2561.0	1405	762.78
998.6	537	280.56	1220.0	660	348.89	1895.0	1035	557.22	2570.0	1410	765.56
1000.4	538	281.11	1229.0	665	351.67	1904.0	1040	560.00	2579.0	1415	768.33
1002.2	539	281.67	1238.0	670	354.44	1913.0	1045	562.78	2588.0	1420	771.11
1004.0	540	282.22	1247.0	675	357.22	1922.0	1050	565.56	2597.0	1425	773.89
1005.8	541	282.78	1256.0	680	360.00	1931.0	1055	568.33	2606.0	1430	776.67
1007.6	542	283.33	1265.0	685	362.78	1940.0	1060	571.11	2615.0	1435	779.44
1009.4	543	283.89	1274.0	690	365.56	1949.0	1065	573.89	2624.0	1440	782.22
1011.2	544	284.44	1283.0	695	368.33	1958.0	1070	576.67	2633.0	1445	785.00
1013.0	545	285.00	1292.0	700	371.11	1967.0	1075	579.44	2642.0	1450	787.78
1014.8	546	285.56	1301.0	705	373.89	1976.0	1080	582.22	2651.0	1455	790.56
1016.6	547	286.11	1310.0	710	376.67	1985.0	1085	585.00	2660.0	1460	793.33
1018.4	548	286.67	1319.0	715	379.44	1994.0	1090	587.78	2669.0	1465	796.11
1020.2	549	287.22	1328.0	720	382.22	2003.0	1095	590.56	2678.0	1470	798.89
1022.0	550	287.78	1337.0	725	385.00	2012.0	1100	593.33	2687.0	1475	801.67
1023.8	551	288.33	1346.0	730	387.78	2021.0	1105	596.11	2696.0	1480	804.44
1025.6	552	288.89	1355.0	735	390.56	2030.0	1110	598.89	2705.0	1485	807.22
1027.4	553	289.44	1364.0	740	393.33	2039.0	1115	601.67	2714.0	1490	810.00
1029.2	554	290.00	1373.0	745	396.11	2048.0	1120	604.44	2723.0	1495	812.78
1031.0	555	290.56	1382.0	750	398.89	2057.0	1125	607.22	2732.0	1500	815.56
1032.8	556	291.11	1391.0	755	401.67	2066.0	1130	610.00	2741.0	1505	818.33
1034.6	557	291.67	1400.0	760	404.44	2075.0	1135	612.78	2750.0	1510	821.11
1036.4	558	292.22	1409.0	765	407.22	2084.0	1140	615.56	2759.0	1515	823.89
1038.2	559	292.78	1418.0	770	410.00	2093.0	1145	618.33	2768.0	1520	826.67
1040.0	560	293.33	1427.0	775	412.78	2102.0	1150	621.11	2777.0	1525	829.44
1041.8	561	293.89	1436.0	780	415.56	2111.0	1155	623.89	2786.0	1530	832.22
1043.6	562	294.44	1445.0	785	418.33	2120.0	1160	626.67	2795.0	1535	835.00
1045.4	563	295.00	1454.0	790	421.11	2129.0	1165	629.44	2804.0	1540	837.78
1047.2	564	295.56	1463.0	795	423.89	2138.0	1170	632.22	2813.0	1545	840.56
1049.0	565	296.11	1472.0	800	426.67	2147.0	1175	635.00	2822.0	1550	843.33
1050.8	566	296.67	1481.0	805	429.44	2156.0	1180	637.78	2831.0	1555	846.11
1052.6	567	297.22	1490.0	810	432.22	2165.0	1185	640.56	2840.0	1560	848.89
1054.4	568	297.78	1499.0	815	435.00	2174.0	1190	643.33	2849.0	1565	851.67
1056.2	569	298.33	1508.0	820	437.78	2183.0	1195	646.11	2858.0	1570	854.44
1058.0	570	298.89	1517.0	825	440.56	2192.0	1200	648.89	2867.0	1575	857.22
									2876.0	1580	860.00