

CITRINE

TECHNICAL INFORMATION

(For connection types, please refer to the last page)

MODEL CODE	Height x Width	Tube	Depth (D)	Pipe Centers (A)	Wall to Pipe Centers (L)	Depth From Wall (K)	Wall To Radiator Back (M)	Space Between Tubes (E)	Tube Width (F)	Water Volume	Fuel Type
	mm	pieces	mm	mm	mm	mm	mm	mm	mm	L	
5010101603000323	280 x 320	6	51	245	43-52	74-83	22-31	4	52	0.42	C
5010101603000378	280 x 380	7	51	245	43-52	74-83	22-31	4	52	0.49	C
5010101603000432	280 x 430	8	51	245	43-52	74-83	22-31	4	52	0.56	C-E-D
5010101603000487	280 x 490	9	51	245	43-52	74-83	22-31	4	52	0.63	C-E-D
5010101603000541	280 x 540	10	51	245	43-52	74-83	22-31	4	52	0.70	C-E-D
5010101603000596	280 x 600	11	51	245	43-52	74-83	22-31	4	52	0.77	C-E-D
5010101603000650	280 x 650	12	51	245	43-52	74-83	22-31	4	52	0.84	C-E-D
5010101603000705	280 x 700	13	51	245	43-52	74-83	22-31	4	52	0.91	C-E-D
5010101603000759	280 x 760	14	51	245	43-52	74-83	22-31	4	52	0.99	C-E-D
5010101603000814	280 x 810	15	51	245	43-52	74-83	22-31	4	52	1.06	C-E-D
5010101603000868	280 x 870	16	51	245	43-52	74-83	22-31	4	52	1.13	C-E-D
5010101603000923	280 x 920	17	51	245	43-52	74-83	22-31	4	52	1.20	C-E-D
5010101603000977	280 x 980	18	51	245	43-52	74-83	22-31	4	52	1.27	C-E-D
5010101603001032	280 x 1030	19	51	245	43-52	74-83	22-31	4	52	1.34	C-E-D
5010101603001086	280 x 1090	20	51	245	43-52	74-83	22-31	4	52	1.41	C-E-D
5010101603001141	280 x 1140	21	51	245	43-52	74-83	22-31	4	52	1.48	C-E-D
5010101603001195	280 x 1200	22	51	245	43-52	74-83	22-31	4	52	1.55	C-E-D
5010101603001250	280 x 1250	23	51	245	43-52	74-83	22-31	4	52	1.62	C-E-D
5010101603001304	280 x 1300	24	51	245	43-52	74-83	22-31	4	52	1.69	C-E-D
5010101603001359	280 x 1360	25	51	245	43-52	74-83	22-31	4	52	1.76	C-E-D
5010101603001413	280 x 1410	26	51	245	43-52	74-83	22-31	4	52	1.83	C
5010101603001468	280 x 1470	27	51	245	43-52	74-83	22-31	4	52	1.90	C
5010101603001522	280 x 1520	28	51	245	43-52	74-83	22-31	4	52	1.97	C
5010101603001577	280 x 1580	29	51	245	43-52	74-83	22-31	4	52	2.04	C
5010101603001631	280 x 1630	30	51	245	43-52	74-83	22-31	4	52	2.11	C
5010101603001686	280 x 1690	31	51	245	43-52	74-83	22-31	4	52	2.18	C
5010101603001740	280 x 1740	32	51	245	43-52	74-83	22-31	4	52	2.25	C
5010101603001795	280 x 1790	33	51	245	43-52	74-83	22-31	4	52	2.32	C
5010101603001849	280 x 1850	34	51	245	43-52	74-83	22-31	4	52	2.39	C
5010101603001904	280 x 1900	35	51	245	43-52	74-83	22-31	4	52	2.46	C
5010101603001958	280 x 1960	36	51	245	43-52	74-83	22-31	4	52	2.53	C
5010101604000323	380 x 320	6	51	345	43-52	74-83	22-31	4	52	0.51	C
5010101604000378	380 x 380	7	51	345	43-52	74-83	22-31	4	52	0.59	C
5010101604000432	380 x 430	8	51	345	43-52	74-83	22-31	4	52	0.68	C-E-D
5010101604000487	380 x 490	9	51	345	43-52	74-83	22-31	4	52	0.76	C-E-D
5010101604000541	380 x 540	10	51	345	43-52	74-83	22-31	4	52	0.85	C-E-D
5010101604000596	380 x 600	11	51	345	43-52	74-83	22-31	4	52	0.93	C-E-D
5010101604000650	380 x 650	12	51	345	43-52	74-83	22-31	4	52	1.02	C-E-D
5010101604000705	380 x 700	13	51	345	43-52	74-83	22-31	4	52	1.10	C-E-D
5010101604000759	380 x 760	14	51	345	43-52	74-83	22-31	4	52	1.19	C-E-D
5010101604000814	380 x 810	15	51	345	43-52	74-83	22-31	4	52	1.27	C-E-D
5010101604000868	380 x 870	16	51	345	43-52	74-83	22-31	4	52	1.35	C-E-D
5010101604000923	380 x 920	17	51	345	43-52	74-83	22-31	4	52	1.44	C-E-D
5010101604000977	380 x 980	18	51	345	43-52	74-83	22-31	4	52	1.52	C-E-D
5010101604001032	380 x 1030	19	51	345	43-52	74-83	22-31	4	52	1.61	C-E-D
5010101604001086	380 x 1090	20	51	345	43-52	74-83	22-31	4	52	1.69	C-E-D
5010101604001141	380 x 1140	21	51	345	43-52	74-83	22-31	4	52	1.78	C-E-D
5010101604001195	380 x 1200	22	51	345	43-52	74-83	22-31	4	52	1.86	C-E-D
5010101604001250	380 x 1250	23	51	345	43-52	74-83	22-31	4	52	1.95	C-E-D
5010101604001304	380 x 1300	24	51	345	43-52	74-83	22-31	4	52	2.03	C-E-D
5010101604001359	380 x 1360	25	51	345	43-52	74-83	22-31	4	52	2.11	C-E-D
5010101604001413	380 x 1410	26	51	345	43-52	74-83	22-31	4	52	2.20	C
5010101604001468	380 x 1470	27	51	345	43-52	74-83	22-31	4	52	2.28	C
5010101604001522	380 x 1520	28	51	345	43-52	74-83	22-31	4	52	2.37	C
5010101604001577	380 x 1580	29	51	345	43-52	74-83	22-31	4	52	2.45	C
5010101604001631	380 x 1630	30	51	345	43-52	74-83	22-31	4	52	2.54	C
5010101604001686	380 x 1690	31	51	345	43-52	74-83	22-31	4	52	2.62	C
5010101604001740	380 x 1740	32	51	345	43-52	74-83	22-31	4	52	2.71	C
5010101604001795	380 x 1790	33	51	345	43-52	74-83	22-31	4	52	2.79	C
5010101604001849	380 x 1850	34	51	345	43-52	74-83	22-31	4	52	2.87	C
5010101604001904	380 x 1900	35	51	345	43-52	74-83	22-31	4	52	2.96	C
5010101604001958	380 x 1960	36	51	345	43-52	74-83	22-31	4	52	3.04	C
5010101605000323	480 x 320	6	51	445	43-52	74-83	22-31	4	52	0.60	C
5010101605000378	480 x 380	7	51	445	43-52	74-83	22-31	4	52	0.69	C
5010101605000432	480 x 430	8	51	445	43-52	74-83	22-31	4	52	0.79	C-E-D
5010101605000487	480 x 490	9	51	445	43-52	74-83	22-31	4	52	0.89	C-E-D
5010101605000541	480 x 540	10	51	445	43-52	74-83	22-31	4	52	0.99	C-E-D
5010101605000596	480 x 600	11	51	445	43-52	74-83	22-31	4	52	1.09	C-E-D
5010101605000650	480 x 650	12	51	445	43-52	74-83	22-31	4	52	1.19	C-E-D
5010101605000705	480 x 700	13	51	445	43-52	74-83	22-31	4	52	1.29	C-E-D
5010101605000759	480 x 760	14	51	445	43-52	74-83	22-31	4	52	1.39	C-E-D
5010101605000814	480 x 810	15	51	445	43-52	74-83	22-31	4	52	1.48	C-E-D
5010101605000868	480 x 870	16	51	445	43-52	74-83	22-31	4	52	1.58	C-E-D
5010101605000923	480 x 920	17	51	445	43-52	74-83	22-31	4	52	1.68	C-E-D
5010101605000977	480 x 980	18	51	445	43-52	74-83	22-31	4	52	1.78	C-E-D
5010101605001032	480 x 1030	19	51	445	43-52	74-83	22-31	4	52	1.88	C-E-D
5010101605001086	480 x 1090	20	51	445	43-52	74-83	22-31	4	52	1.98	C-E-D
5010101605001141	480 x 1140	21	51	445	43-52	74-83	22-31	4	52	2.08	C-E-D
5010101605001195	480 x 1200	22	51	445	43-52	74-83	22-31	4	52	2.18	C-E-D
5010101605001250	480 x 1250	23	51	445	43-52	74-83	22-31	4	52	2.27	C-E-D
5010101605001304	480 x 1300	24	51	445	43-52	74-83	22-31	4	52	2.37	C-E-D

HEAT OUTPUTS INFORMATION

MODEL CODE	Heat Outputs ΔT 50 °C		Heat Outputs ΔT 60 °C	
	Watt	Btu	Watt	Btu
5010101603000323	146	498	190	648
5010101603000378	170	581	222	756
5010101603000432	195	664	253	864
5010101603000487	219	747	285	972
5010101603000541	244	830	317	1080
5010101603000596	268	913	348	1187
5010101603000650	292	996	380	1295
5010101603000705	317	1080	412	1403
5010101603000759	341	1163	443	1511
5010101603000814	365	1246	475	1619
5010101603000868	390	1329	507	1727
5010101603000923	414	1412	538	1835
5010101603000977	438	1495	570	1943
5010101603001032	463	1578	601	2051
5010101603001086	487	1661	633	2159
5010101603001141	511	1744	665	2267
5010101603001195	536	1827	696	2375
5010101603001250	560	1910	728	2483
5010101603001304	584	1993	760	2591
5010101603001359	609	2076	791	2699
5010101603001413	633	2159	823	2807
5010101603001468	657	2242	855	2915
5010101603001522	682	2325	886	3023
5010101603001577	706	2408	918	3131
5010101603001631	731	2491	950	3239
5010101603001686	755	2574	981	3346
5010101603001740	779	2657	1013	3454
5010101603001795	804	2740	1045	3562
5010101603001849	828	2823	1076	3670
5010101603001904	852	2906	1108	3778
5010101603001958	877	2989	1140	3886
5010101604000323	199	679	259	883
5010101604000378	232	792	302	1030
5010101604000432	265	905	345	1177
5010101604000487	299	1018	388	1324
5010101604000541	332	1132	431	1471
5010101604000596	365	1245	475	1618
5010101604000650	398	1358	518	1765
5010101604000705	431	1471	561	1912
5010101604000759	465	1584	604	2060
5010101604000814	498	1697	647	2207
5010101604000868	531	1811	690	2354
5010101604000923	564	1924	733	2501
5010101604000977	597	2037	777	2648
5010101604001032	631	2150	820	2795
5010101604001086	664	2263	863	2942
5010101604001141	697	2376	906	3089
5010101604001195	730	2490	949	3236
5010101604001250	763	2603	992	3384
5010101604001304	796	2716	1035	3531
5010101604001359	830	2829	1079	3678
5010101604001413	863	2942	1122	3825
5010101604001468	896	3055	1165	3972
5010101604001522	929	3169	1208	4119
5010101604001577	962	3282	1251	4266
5010101604001631	996	3395	1294	4413
5010101604001686	1029	3508	1337	4560
5010101604001740	1062	3621	1381	4708
5010101604001795	1095	3734	1424	4855
5010101604001849	1128	3848	1467	5002
5010101604001904	1161	3961	1510	5149
5010101604001958	1195	4074	1553	5296
5010101605000323	254	867	331	1128
5010101605000378	297	1012	386	1316
5010101605000432	339	1157	441	1504
5010101605000487	382	1301	496	1692
5010101605000541	424	1446	551	1879
5010101605000596	466	1590	606	2067
5010101605000650	509	1735	661	2255
5010101605000705	551	1879	717	2443
5010101605000759	594	2024	772	2631
5010101605000814	636	2169	827	2819
5010101605000868	678	2313	882	3007
5010101605000923	721	2458	937	3195
5010101605000977	763	2602	992	3383
5010101605001032	806	2747	1047	3571
5010101605001086	848	2892	1102	3759
5010101605001141	890	3036	1157	3947
5010101605001195	933	3181	1213	4135
5010101605001250	975	3325	1268	4323
5010101605001304	1018	3470	1323	4511

CITRINE

TECHNICAL INFORMATION

(For connection types, please refer to the last page)

MODEL CODE	Height x Width	Tube	Depth (D)	Pipe Centers (A)	Wall to Pipe Centers (L)	Depth From Wall (K)	Wall To Radiator Back (M)	Space Between Tubes (E)	Tube Width (F)	Water Volume	Fuel Type
	mm	pieces	mm	mm	mm	mm	mm	mm	mm	L	
5010101605001359	480 x 1360	25	51	445	43-52	74-83	22-31	4	52	2,47	C-E-D
5010101605001413	480 x 1410	26	51	445	43-52	74-83	22-31	4	52	2,57	C
5010101605001468	480 x 1470	27	51	445	43-52	74-83	22-31	4	52	2,67	C
5010101605001522	480 x 1520	28	51	445	43-52	74-83	22-31	4	52	2,77	C
5010101605001577	480 x 1580	29	51	445	43-52	74-83	22-31	4	52	2,87	C
5010101605001631	480 x 1630	30	51	445	43-52	74-83	22-31	4	52	2,97	C
5010101605001686	480 x 1690	31	51	445	43-52	74-83	22-31	4	52	3,06	C
5010101605001740	480 x 1740	32	51	445	43-52	74-83	22-31	4	52	3,16	C
5010101605001795	480 x 1790	33	51	445	43-52	74-83	22-31	4	52	3,26	C
5010101605001849	480 x 1850	34	51	445	43-52	74-83	22-31	4	52	3,36	C
5010101605001904	480 x 1900	35	51	445	43-52	74-83	22-31	4	52	3,46	C
5010101605001958	480 x 1960	36	51	445	43-52	74-83	22-31	4	52	3,56	C
5010101606000323	580 x 320	6	51	545	43-52	74-83	22-31	4	52	0,68	C
5010101606000378	580 x 380	7	51	545	43-52	74-83	22-31	4	52	0,79	C
5010101606000432	580 x 430	8	51	545	43-52	74-83	22-31	4	52	0,91	C-E-D
5010101606000487	580 x 490	9	51	545	43-52	74-83	22-31	4	52	1,02	C-E-D
5010101606000541	580 x 540	10	51	545	43-52	74-83	22-31	4	52	1,13	C-E-D
5010101606000596	580 x 600	11	51	545	43-52	74-83	22-31	4	52	1,25	C-E-D
5010101606000650	580 x 650	12	51	545	43-52	74-83	22-31	4	52	1,36	C-E-D
5010101606000705	580 x 700	13	51	545	43-52	74-83	22-31	4	52	1,47	C-E-D
5010101606000759	580 x 760	14	51	545	43-52	74-83	22-31	4	52	1,59	C-E-D
5010101606000814	580 x 810	15	51	545	43-52	74-83	22-31	4	52	1,70	C-E-D
5010101606000868	580 x 870	16	51	545	43-52	74-83	22-31	4	52	1,81	C-E-D
5010101606000923	580 x 920	17	51	545	43-52	74-83	22-31	4	52	1,92	C-E-D
5010101606000977	580 x 980	18	51	545	43-52	74-83	22-31	4	52	2,04	C-E-D
5010101606001032	580 x 1030	19	51	545	43-52	74-83	22-31	4	52	2,15	C-E-D
5010101606001086	580 x 1090	20	51	545	43-52	74-83	22-31	4	52	2,26	C-E-D
5010101606001141	580 x 1140	21	51	545	43-52	74-83	22-31	4	52	2,38	C-E-D
5010101606001195	580 x 1200	22	51	545	43-52	74-83	22-31	4	52	2,49	C-E-D
5010101606001250	580 x 1250	23	51	545	43-52	74-83	22-31	4	52	2,60	C-E-D
5010101606001304	580 x 1300	24	51	545	43-52	74-83	22-31	4	52	2,72	C-E-D
5010101606001359	580 x 1360	25	51	545	43-52	74-83	22-31	4	52	2,83	C-E-D
5010101606001413	580 x 1410	26	51	545	43-52	74-83	22-31	4	52	2,94	C
5010101606001468	580 x 1470	27	51	545	43-52	74-83	22-31	4	52	3,06	C
5010101606001522	580 x 1520	28	51	545	43-52	74-83	22-31	4	52	3,17	C
5010101606001577	580 x 1580	29	51	545	43-52	74-83	22-31	4	52	3,28	C
5010101606001631	580 x 1630	30	51	545	43-52	74-83	22-31	4	52	3,39	C
5010101606001686	580 x 1690	31	51	545	43-52	74-83	22-31	4	52	3,51	C
5010101606001740	580 x 1740	32	51	545	43-52	74-83	22-31	4	52	3,62	C
5010101606001795	580 x 1790	33	51	545	43-52	74-83	22-31	4	52	3,73	C
5010101606001849	580 x 1850	34	51	545	43-52	74-83	22-31	4	52	3,85	C
5010101606001904	580 x 1900	35	51	545	3,96	74-83	22-31	4	52	3,96	C
5010101606001958	580 x 1960	36	51	545	43-52	74-83	22-31	4	52	4,07	C
5010101607000323	680 x 320	6	51	645	43-52	74-83	22-31	4	52	0,77	C
5010101607000378	680 x 380	7	51	645	43-52	74-83	22-31	4	52	0,89	C
5010101607000432	680 x 430	8	51	645	43-52	74-83	22-31	4	52	1,02	C-E-D
5010101607000487	680 x 490	9	51	645	43-52	74-83	22-31	4	52	1,15	C-E-D
5010101607000541	680 x 540	10	51	645	43-52	74-83	22-31	4	52	1,28	C-E-D
5010101607000596	680 x 600	11	51	645	43-52	74-83	22-31	4	52	1,40	C-E-D
5010101607000650	680 x 650	12	51	645	43-52	74-83	22-31	4	52	1,53	C-E-D
5010101607000705	680 x 700	13	51	645	43-52	74-83	22-31	4	52	1,66	C-E-D
5010101607000759	680 x 760	14	51	645	43-52	74-83	22-31	4	52	1,79	C-E-D
5010101607000814	680 x 810	15	51	645	43-52	74-83	22-31	4	52	1,91	C-E-D
5010101607000868	680 x 870	16	51	645	43-52	74-83	22-31	4	52	2,04	C-E-D
5010101607000923	680 x 920	17	51	645	43-52	74-83	22-31	4	52	2,17	C-E-D
5010101607000977	680 x 980	18	51	645	43-52	74-83	22-31	4	52	2,30	C-E-D
5010101607001032	680 x 1030	19	51	645	43-52	74-83	22-31	4	52	2,42	C-E-D
5010101607001086	680 x 1090	20	51	645	43-52	74-83	22-31	4	52	2,55	C-E-D
5010101607001141	680 x 1140	21	51	645	43-52	74-83	22-31	4	52	2,68	C-E-D
5010101607001195	680 x 1200	22	51	645	43-52	74-83	22-31	4	52	2,80	C-E-D
5010101607001250	680 x 1250	23	51	645	43-52	74-83	22-31	4	52	2,93	C-E-D
5010101607001304	680 x 1300	24	51	645	43-52	74-83	22-31	4	52	3,06	C-E-D
5010101607001359	680 x 1360	25	51	645	43-52	74-83	22-31	4	52	3,19	C-E-D
5010101607001413	680 x 1410	26	51	645	43-52	74-83	22-31	4	52	3,31	C
5010101607001468	680 x 1470	27	51	645	43-52	74-83	22-31	4	52	3,44	C
5010101607001522	680 x 1520	28	51	645	3,57	74-83	22-31	4	52	3,57	C
5010101607001577	680 x 1580	29	51	645	43-52	74-83	22-31	4	52	3,70	C
5010101607001631	680 x 1630	30	51	645	3,82	74-83	22-31	4	52	3,82	C
5010101607001686	680 x 1690	31	51	645	43-52	74-83	22-31	4	52	3,95	C
5010101607001740	680 x 1740	32	51	645	43-52	74-83	22-31	4	52	4,08	C
5010101607001795	680 x 1790	33	51	645	43-52	74-83	22-31	4	52	4,21	C
5010101607001849	680 x 1850	34	51	645	43-52	74-83	22-31	4	52	4,33	C
5010101608000323	780 x 320	6	51	745	43-52	74-83	22-31	4	52	0,85	C
5010101608000378	780 x 380	7	51	745	43-52	74-83	22-31	4	52	0,99	C
5010101608000432	780 x 430	8	51	745	43-52	74-83	22-31	4	52	1,14	C-E-D
5010101608000487	780 x 490	9	51	745	43-52	74-83	22-31	4	52	1,28	C-E-D
5010101608000541	780 x 540	10	51	745	43-52	74-83	22-31	4	52	1,42	C-E-D
5010101608000596	780 x 600	11	51	745	43-52	74-83	22-31	4	52	1,56	C-E-D
5010101608000650	780 x 650	12	51	745	43-52	74-83	22-31	4	52	1,70	C-E-D
5010101608000705	780 x 700	13	51	745	43-52	74-83	22-31	4	52	1,84	C-E-D
5010101608000759	780 x 760	14	51	745	43-52	74-83	22-31	4	52	1,99	C-E-D

HEAT OUTPUTS INFORMATION

MODEL CODE	Heat Outputs ΔT 50 °C		Heat Outputs ΔT 60 °C		
	mm	Watt	Btu	Watt	Btu
5010101605001359	1060	3614	1378	4699	
5010101605001413	1102	3759	1433	4887	
5010101605001468	1145	3904	1488	5075	
5010101605001522	1187	4048	1543	5263	
5010101605001577	1230	4193	1598	5450	
5010101605001631	1272	4337	1654	5638	
5010101605001686	1314	4482	1709	5826	
5010101605001740	1357	4626	1764	6014	
5010101605001795	1399	4771	1819	6202	
5010101605001849	1442	4916	1874	6390	
5010101605001904	1484	5060	1929	6578	
5010101605001958	1526	5205	1984	6766	
5010101606000323	312	1064	406	1383	
5010101606000378	364	1241	473	1614	
5010101606000432	416	1419	541	1844	
5010101606000487	468	1596	608	2075	
5010101606000541	520	1773	676	2305	
5010101606000596	572	1951	744	2536	
5010101606000650	624	2128	811	2766	
5010101606000705	676	2305	879	2997	
5010101606000759	728	2482	946	3227	
5010101606000814	780	2660	1014	3458	
5010101606000868	832	2837	1082	3688	
5010101606000923	884	3014	1149	3919	
5010101606000977	936	3192	1217	4149	
5010101606001032	988	3369	1284	4380	
5010101606001086	1040	3546	1352	4610	
5010101606001141	1092	3724	1420	4841	
5010101606001195	1144	3901	1487	5071	
5010101606001250	1196	4078	1555	5302	
5010101606001304	1248	4256	1622	5532	
5010101606001359	1300	4433	1690	5763	
5010101606001413	1352	4610	1758	5993	
5010101606001468	1404	4788	1825	6224	
5010101606001522	1456	4965	1893	6454	
5010101606001577	1508	5142	1960	6685	
5010101606001631	1560	5320	2028	6915	
5010101606001686	1612	5497	2096	7146	
5010101606001740	1664	5674	2163	7377	
5010101606001795	1716	5852	2231	7607	
5010101606001849	1768	6029	2298	7838	
5010101606001904	1820	6206	2366	8068	
5010101606001958	1872	6384	2434	8299	
5010101607000323	356	1214	463	1579	
5010101607000378	416	1417	540	1842	
5010101607000432	475	1619	617	2105	
5010101607000487	534	1822	694	2368	
5010101607000541	594	2024	772	2631	
5010101607000596	653	2226	849	2894	
5010101607000650	712	2429	926	3158	
5010101607000705	772	2631	1003	3421	
5010101607000759	831	2834	1080	3684	
5010101607000814	890	3036	1157	3947	
5010101607000868	950	3239	1235	4210	
5010101607000923	1009	3441	1312	4473	
5010101607000977	1068	3643	1389	4736	
5010101607001032	1128	3846	1466	4999	
5010101607001086	1187	4048	1543	5263	
5010101607001141	1246	4251	1620	5526	
5010101607001195	1306	4453	1698	5789	
5010101607001250	1365	4655	1775	6052	
5010101607001304	1425	4858	1852	6315	
5010101607001359	1484	5060	1929	6578	
5010101607001413	1543	5263	2006	6841	
5010101607001468	1603	5465	2083	7104	
5010101607001522	1662	5667	2161	7368	
5010101607001577	1721	5870	2238	7631	
5010101607001631	1781	6072	2315	7894	
5010101607001686	1840	6275	2392	8157	
5010101607001740	1899	6477	2469	8420	
5010101607001795	1959	6679	2546	8683	
5010101607001849	2018	6882	2624	8946	
5010101608000323	398	1358	518	1765	
5010101608000378	465	1584	604	2060	
5010101608000432	531	1811	690	2354	
5010101608000487	597	2037	777	2648	
5010101608000541	664	2263	863	2942	
5010101608000596	730	2490	949	3236	
5010101608000650	796	2716	1035	3531	
5010101608000705	863	2942	1122	3825	
5010101608000759	929	3169	1208	4119	

CITRINE

TECHNICAL INFORMATION

(For connection types, please refer to the last page)

MODEL CODE	Height x Width	Tube	Depth (D)	Pipe Centers (A)	Wall to Pipe Centers (L)	Depth From Wall (K)	Wall To Radiator Back (M)	Space Between Tubes (E)	Tube Width (F)	Water Volume	Fuel Type
	mm	pieces	mm	mm	mm	mm	mm	mm	mm	L	
5010101608000814	780 x 810	15	51	745	43-52	74-83	22-31	4	52	2.13	C-E-D
5010101608000868	780 x 870	16	51	745	43-52	74-83	22-31	4	52	2.27	C-E-D
5010101608000923	780 x 920	17	51	745	43-52	74-83	22-31	4	52	2.41	C-E-D
5010101608000977	780 x 980	18	51	745	43-52	74-83	22-31	4	52	2.55	C-E-D
5010101608001032	780 x 1030	19	51	745	43-52	74-83	22-31	4	52	2.69	C-E-D
5010101608001086	780 x 1090	20	51	745	43-52	74-83	22-31	4	52	2.84	C-E-D
5010101608001141	780 x 1140	21	51	745	43-52	74-83	22-31	4	52	2.98	C-E-D
5010101608001195	780 x 1200	22	51	745	43-52	74-83	22-31	4	52	3.12	C-E-D
5010101608001250	780 x 1250	23	51	745	43-52	74-83	22-31	4	52	3.26	C-E-D
5010101608001304	780 x 1300	24	51	745	43-52	74-83	22-31	4	52	3.40	C-E-D
5010101608001359	780 x 1360	25	51	745	43-52	74-83	22-31	4	52	3.54	C-E-D
5010101608001413	780 x 1410	26	51	745	43-52	74-83	22-31	4	52	3.69	C
5010101608001468	780 x 1470	27	51	745	43-52	74-83	22-31	4	52	3.83	C
5010101608001522	780 x 1520	28	51	745	43-52	74-83	22-31	4	52	3.97	C
5010101608001577	780 x 1580	29	51	745	43-52	74-83	22-31	4	52	4.11	C
5010101608001631	780 x 1630	30	51	745	43-52	74-83	22-31	4	52	4.25	C
5010101608001686	780 x 1690	31	51	745	43-52	74-83	22-31	4	52	4.39	C
5010101608001740	780 x 1740	32	51	745	43-52	74-83	22-31	4	52	4.54	C
5010101608001795	780 x 1790	33	51	745	43-52	74-83	22-31	4	52	4.68	C
5010101608001849	780 x 1850	34	51	745	43-52	74-83	22-31	4	52	4.82	C
5010101609000323	880 x 320	6	51	845	43-52	74-83	22-31	4	52	0.94	C
5010101609000378	880 x 380	7	51	845	43-52	74-83	22-31	4	52	1.09	C
5010101609000432	880 x 430	8	51	845	43-52	74-83	22-31	4	52	1.25	C-E-D
5010101609000487	880 x 490	9	51	845	43-52	74-83	22-31	4	52	1.41	C-E-D
5010101609000541	880 x 540	10	51	845	43-52	74-83	22-31	4	52	1.56	C-E-D
5010101609000596	880 x 600	11	51	845	43-52	74-83	22-31	4	52	1.72	C-E-D
5010101609000650	880 x 650	12	51	845	43-52	74-83	22-31	4	52	1.87	C-E-D
5010101609000705	880 x 700	13	51	845	43-52	74-83	22-31	4	52	2.03	C-E-D
5010101609000759	880 x 760	14	51	845	43-52	74-83	22-31	4	52	2.19	C-E-D
5010101609000814	880 x 810	15	51	845	43-52	74-83	22-31	4	52	2.34	C-E-D
5010101609000868	880 x 870	16	51	845	43-52	74-83	22-31	4	52	2.50	C-E-D
5010101609000923	880 x 920	17	51	845	43-52	74-83	22-31	4	52	2.65	C-E-D
5010101609000977	880 x 980	18	51	845	43-52	74-83	22-31	4	52	2.81	C-E-D
5010101609001032	880 x 1030	19	51	845	43-52	74-83	22-31	4	52	2.97	C-E-D
5010101609001086	880 x 1090	20	51	845	43-52	74-83	22-31	4	52	3.12	C-E-D
5010101609001141	880 x 1140	21	51	845	43-52	74-83	22-31	4	52	3.28	C-E-D
5010101609001195	880 x 1200	22	51	845	43-52	74-83	22-31	4	52	3.43	C-E-D
5010101609001250	880 x 1250	23	51	845	43-52	74-83	22-31	4	52	3.59	C-E-D
5010101609001304	880 x 1300	24	51	845	43-52	74-83	22-31	4	52	3.75	C-E-D
5010101609001359	880 x 1360	25	51	845	43-52	74-83	22-31	4	52	3.90	C-E-D
5010101609001413	880 x 1410	26	51	845	43-52	74-83	22-31	4	52	4.06	C
5010101609001468	880 x 1470	27	51	845	43-52	74-83	22-31	4	52	4.21	C
5010101609001522	880 x 1520	28	51	845	43-52	74-83	22-31	4	52	4.37	C
5010101609001577	880 x 1580	29	51	845	43-52	74-83	22-31	4	52	4.53	C
5010101609001631	880 x 1630	30	51	845	43-52	74-83	22-31	4	52	4.68	C
5010101609001686	880 x 1690	31	51	845	43-52	74-83	22-31	4	52	4.84	C
5010101609001740	880 x 1740	32	51	845	43-52	74-83	22-31	4	52	4.99	C
5010101609001795	880 x 1790	33	51	845	43-52	74-83	22-31	4	52	5.15	C
5010101609001849	880 x 1850	34	51	845	43-52	74-83	22-31	4	52	5.31	C
5010101610000323	980 x 320	6	51	945	43-52	74-83	22-31	4	52	1.02	C
5010101610000378	980 x 380	7	51	945	43-52	74-83	22-31	4	52	1.19	C
5010101610000432	980 x 430	8	51	945	43-52	74-83	22-31	4	52	1.36	C-E-D
5010101610000487	980 x 490	9	51	945	43-52	74-83	22-31	4	52	1.54	C-E-D
5010101610000541	980 x 540	10	51	945	43-52	74-83	22-31	4	52	1.71	C-E-D
5010101610000596	980 x 600	11	51	945	43-52	74-83	22-31	4	52	1.88	C-E-D
5010101610000650	980 x 650	12	51	945	43-52	74-83	22-31	4	52	2.05	C-E-D
5010101610000705	980 x 700	13	51	945	43-52	74-83	22-31	4	52	2.22	C-E-D
5010101610000759	980 x 760	14	51	945	43-52	74-83	22-31	4	52	2.39	C-E-D
5010101610000814	980 x 810	15	51	945	43-52	74-83	22-31	4	52	2.56	C-E-D
5010101610000868	980 x 870	16	51	945	43-52	74-83	22-31	4	52	2.73	C-E-D
5010101610000923	980 x 920	17	51	945	43-52	74-83	22-31	4	52	2.90	C-E-D
5010101610000977	980 x 980	18	51	945	43-52	74-83	22-31	4	52	3.07	C-E-D
5010101610001032	980 x 1030	19	51	945	43-52	74-83	22-31	4	52	3.24	C-E-D
5010101610001086	980 x 1090	20	51	945	43-52	74-83	22-31	4	52	3.41	C-E-D
5010101610001141	980 x 1140	21	51	945	43-52	74-83	22-31	4	52	3.58	C-E-D
5010101610001195	980 x 1200	22	51	945	43-52	74-83	22-31	4	52	3.75	C-E-D
5010101610001250	980 x 1250	23	51	945	43-52	74-83	22-31	4	52	3.92	C-E-D
5010101610001304	980 x 1300	24	51	945	409-52	74-83	22-31	4	52	4.09	C-E-D
5010101610001359	980 x 1360	25	51	945	43-52	74-83	22-31	4	52	4.26	C-E-D
5010101610001413	980 x 1410	26	51	945	43-52	74-83	22-31	4	52	4.43	C
5010101610001468	980 x 1470	27	51	945	43-52	74-83	22-31	4	52	4.60	C
5010101610001522	980 x 1520	28	51	945	43-52	74-83	22-31	4	52	4.77	C
5010101610001577	980 x 1580	29	51	945	43-52	74-83	22-31	4	52	4.94	C
5010101610001631	980 x 1630	30	51	945	43-52	74-83	22-31	4	52	5.11	C
5010101610001686	980 x 1690	31	51	945	43-52	74-83	22-31	4	52	5.28	C
5010101610001740	980 x 1740	32	51	945	43-52	74-83	22-31	4	52	5.45	C
5010101610001795	980 x 1790	33	51	945	43-52	74-83	22-31	4	52	5.62	C
5010101610001849	980 x 1850	34	51	945	43-52	74-83	22-31	4	52	5.79	C
5010101612000323	1180 x 320	6	51	1145	43-52	74-83	22-31	4	52	1.20	C
5010101612000378	1180 x 380	7	51	1145	43-52	74-83	22-31	4	52	1.39	C
5010101612000432	1180 x 430	8	51	1145	43-52	74-83	22-31	4	52	1.59	C-E-D

HEAT OUTPUTS INFORMATION

MODEL CODE	Heat Outputs ΔT 50 °C		Heat Outputs ΔT 60 °C		
	mm	Watt	Btu	Watt	Btu
5010101608000814		996	3395	1294	4413
5010101608000868		1062	3621	1381	4708
5010101608000923		1128	3848	1467	5002
5010101608000977		1195	4074	1553	5296
5010101608001032		1261	4300	1639	5590
5010101608001086		1327	4526	1726	5884
5010101608001141		1394	4753	1812	6179
5010101608001195		1460	4979	1898	6473
5010101608001250		1527	5205	1984	6767
5010101608001304		1593	5432	2071	7061
5010101608001359		1659	5658	2157	7356
5010101608001413		1726	5884	2243	7650
5010101608001468		1792	6111	2330	7944
5010101608001522		1858	6337	2416	8238
5010101608001577		1925	6563	2502	8532
5010101608001631		1991	6790	2588	8827
5010101608001686		2057	7016	2675	9121
5010101608001740		2124	7242	2761	9415
5010101608001795		2190	7469	2847	9709
5010101608001849		2257	7695	2934	10004
5010101609000323		438	1495	570	1943
5010101609000378		511	1744	665	2267
5010101609000432		584	1993	760	2591
5010101609000487		657	2242	855	2915
5010101609000541		731	2491	950	3239
5010101609000596		804	2740	1045	3562
5010101609000650		877	2989	1140	3886
5010101609000705		950	3239	1235	4210
5010101609000759		1023	3488	1330	4534
5010101609000814		1096	3737	1425	4858
5010101609000868		1169	3986	1520	5182
5010101609000923		1242	4235	1615	5505
5010101609000977		1315	4484	1709	5829
5010101609001032		1388	4733	1804	6153
5010101609001086		1461	4982	1899	6477
5010101609001141		1534	5231	1994	6801
5010101609001195		1607	5481	2089	7125
5010101609001250		1680	5730	2184	7449
5010101609001304		1753	5979	2279	7772
5010101609001359		1826	6228	2374	8096
5010101609001413		1899	6477	2469	8420
5010101609001468		1972	6726	2564	8744
5010101609001522		2046	6975	2659	9068
5010101609001577		2119	7224	2754	9392
5010101609001631		2192	7473	2849	9715
5010101609001686		2265	7723	2944	10039
5010101609001740		2338	7972	3039	10363
5010101609001795		2411	8221	3134	10687
5010101609001849		2484	8470	3229	11011
5010101610000323		477	1625	619	2112
5010101610000378		556	1896	723	2464
5010101610000432		635	2167	826	2816
5010101610000487		715	2437	929	3169
5010101610000541		794	2708	1032	3521
5010101610000596		874	2979	1136	3873
5010101610000650		953	3250	1239	4225
5010101610000705		1032	3521	1342	4577
5010101610000759		1112	3791	1445	4929
5010101610000814		1191	4062	1549	5281
5010101610000868		1271	4333	1652	5633
5010101610000923		1350	4604	1755	5985
5010101610000977		1430	4875	1858	6337
5010101610001032		1509	5145	1962	6689
5010101610001086		1588	5416	2065	7041
5010101610001141		1668	5687	2168	7393
5010101610001195		1747	5958	2271	7745
5010101610001250		1827	6229	2375	8097
5010101610001304		1906	6500	2478	8449
5010101610001359		1985	6770	2581	8801
5010101610001413		2065	7041	2684	9154
5010101610001468		2144	7312	2788	9506
5010101610001522		2224	7583	2891	9858
5010101610001577		2303	7854	2994	10210
5010101610001631		2383	8124	3097	10562
5010101610001686		2462	8395	3201	10914
5010101610001740		2541	8666	3304	11266
5010101610001795		2621	8937	3407	11618
5010101610001849		2700	9208	3510	11970
5010101612000323		547	1866	711	2425
5010101612000378		638	2177	830	2830
5010101612000432		729	2488	948	3234

CITRINE

TECHNICAL INFORMATION

(For connection types, please refer to the last page)

MODEL CODE	Height x Width	Tube	Depth (D)	Pipe Centers (A)	Wall to Pipe Centers (L)	Depth From Wall (K)	Wall To Radiator Back (M)	Space Between Tubes (E)	Tube Width (F)	Water Volume	Fuel Type
	mm	pieces	mm	mm	mm	mm	mm	mm	mm	L	
5010101612000487	1180 x 490	9	51	1145	43-52	74-83	22-31	4	52	1,79	C-E-D
5010101612000541	1180 x 540	10	51	1145	43-52	74-83	22-31	4	52	1,99	C-E-D
5010101612000596	1180 x 600	11	51	1145	43-52	74-83	22-31	4	52	2,19	C-E-D
5010101612000650	1180 x 650	12	51	1145	43-52	74-83	22-31	4	52	2,39	C-E-D
5010101612000705	1180 x 700	13	51	1145	43-52	74-83	22-31	4	52	2,59	C-E-D
5010101612000759	1180 x 760	14	51	1145	43-52	74-83	22-31	4	52	2,79	C-E-D
5010101612000814	1180 x 810	15	51	1145	43-52	74-83	22-31	4	52	2,99	C-E-D
5010101612000868	1180 x 870	16	51	1145	43-52	74-83	22-31	4	52	3,18	C-E-D
5010101612000923	1180 x 920	17	51	1145	43-52	74-83	22-31	4	52	3,38	C-E-D
5010101612000977	1180 x 980	18	51	1145	43-52	74-83	22-31	4	52	3,58	C-E-D
5010101612001032	1180 x 1030	19	51	1145	43-52	74-83	22-31	4	52	3,78	C-E-D
5010101612001086	1180 x 1090	20	51	1145	43-52	74-83	22-31	4	52	3,98	C-E-D
5010101612001141	1180 x 1140	21	51	1145	43-52	74-83	22-31	4	52	4,18	C-E-D
5010101612001195	1180 x 1200	22	51	1145	43-52	74-83	22-31	4	52	4,38	C-E-D
5010101612001250	1180 x 1250	23	51	1145	43-52	74-83	22-31	4	52	4,58	C-E-D
5010101612001304	1180 x 1300	24	51	1145	43-52	74-83	22-31	4	52	4,78	C-E-D
5010101612001359	1180 x 1360	25	51	1145	43-52	74-83	22-31	4	52	4,97	C-E-D
5010101612001413	1180 x 1410	26	51	1145	43-52	74-83	22-31	4	52	5,17	C
5010101612001468	1180 x 1470	27	51	1145	43-52	74-83	22-31	4	52	5,37	C
5010101614000323	1380 x 320	6	51	1345	43-52	74-83	22-31	4	52	1,37	C
5010101614000378	1380 x 380	7	51	1345	43-52	74-83	22-31	4	52	1,60	C
5010101614000432	1380 x 430	8	51	1345	43-52	74-83	22-31	4	52	1,82	C-E-D
5010101614000487	1380 x 490	9	51	1345	43-52	74-83	22-31	4	52	2,05	C-E-D
5010101614000541	1380 x 540	10	51	1345	43-52	74-83	22-31	4	52	2,28	C-E-D
5010101614000596	1380 x 600	11	51	1345	43-52	74-83	22-31	4	52	2,50	C-E-D
5010101614000650	1380 x 650	12	51	1345	43-52	74-83	22-31	4	52	2,73	C-E-D
5010101614000705	1380 x 700	13	51	1345	43-52	74-83	22-31	4	52	2,96	C-E-D
5010101614000759	1380 x 760	14	51	1345	43-52	74-83	22-31	4	52	3,19	C-E-D
5010101614000814	1380 x 810	15	51	1345	43-52	74-83	22-31	4	52	3,41	C-E-D
5010101614000868	1380 x 870	16	51	1345	43-52	74-83	22-31	4	52	3,64	C-E-D
5010101614000923	1380 x 920	17	51	1345	43-52	74-83	22-31	4	52	3,87	C-E-D
5010101614000977	1380 x 980	18	51	1345	43-52	74-83	22-31	4	52	4,10	C-E-D
5010101614001032	1380 x 1030	19	51	1345	43-52	74-83	22-31	4	52	4,32	C-E-D
5010101616000323	1580 x 320	6	51	1545	43-52	74-83	22-31	4	52	1,54	C
5010101616000378	1580 x 380	7	51	1545	43-52	74-83	22-31	4	52	1,80	C
5010101616000432	1580 x 430	8	51	1545	43-52	74-83	22-31	4	52	2,05	C-E-D
5010101616000487	1580 x 490	9	51	1545	43-52	74-83	22-31	4	52	2,31	C-E-D
5010101616000541	1580 x 540	10	51	1545	43-52	74-83	22-31	4	52	2,56	C-E-D
5010101616000596	1580 x 600	11	51	1545	43-52	74-83	22-31	4	52	2,82	C-E-D
5010101616000650	1580 x 650	12	51	1545	43-52	74-83	22-31	4	52	3,08	C-E-D
5010101616000705	1580 x 700	13	51	1545	43-52	74-83	22-31	4	52	3,33	C-E-D
5010101616000759	1580 x 760	14	51	1545	43-52	74-83	22-31	4	52	3,59	C-E-D
5010101616000814	1580 x 810	15	51	1545	43-52	74-83	22-31	4	52	3,84	C-E-D
5010101616000868	1580 x 870	16	51	1545	43-52	74-83	22-31	4	52	4,10	C-E-D
5010101616000923	1580 x 920	17	51	1545	43-52	74-83	22-31	4	52	4,36	C-E-D
5010101616000977	1580 x 980	18	51	1545	43-52	74-83	22-31	4	52	4,61	C-E-D
5010101616001032	1580 x 1030	19	51	1545	43-52	74-83	22-31	4	52	4,87	C-E-D
5010101618000323	1780 x 320	6	51	1745	43-52	74-83	22-31	4	52	1,71	C
5010101618000378	1780 x 380	7	51	1745	43-52	74-83	22-31	4	52	2,00	C
5010101618000432	1780 x 430	8	51	1745	43-52	74-83	22-31	4	52	2,28	C-E-D
5010101618000487	1780 x 490	9	51	1745	43-52	74-83	22-31	4	52	2,56	C-E-D
5010101618000541	1780 x 540	10	51	1745	43-52	74-83	22-31	4	52	2,85	C-E-D
5010101618000596	1780 x 600	11	51	1745	43-52	74-83	22-31	4	52	3,13	C-E-D
5010101618000650	1780 x 650	12	51	1745	43-52	74-83	22-31	4	52	3,42	C-E-D
5010101618000705	1780 x 700	13	51	1745	43-52	74-83	22-31	4	52	3,70	C-E-D
5010101618000759	1780 x 760	14	51	1745	43-52	74-83	22-31	4	52	3,99	C-E-D
5010101618000814	1780 x 810	15	51	1745	43-52	74-83	22-31	4	52	4,27	C-E-D
5010101618000868	1780 x 870	16	51	1745	43-52	74-83	22-31	4	52	4,56	C-E-D
5010101618000923	1780 x 920	17	51	1745	43-52	74-83	22-31	4	52	4,84	C-E-D
5010101618000977	1780 x 980	18	51	1745	43-52	74-83	22-31	4	52	5,13	C-E-D
5010101618001032	1780 x 1030	19	51	1745	43-52	74-83	22-31	4	52	5,41	C-E-D

HEAT OUTPUTS INFORMATION

MODEL CODE	Heat Outputs ΔT 50 °C		Heat Outputs ΔT 60 °C	
	Watt	Btu	Watt	Btu
5010101612000487	821	2798	1067	3638
5010101612000541	912	3109	1185	4042
5010101612000596	1003	3420	1304	4446
5010101612000650	1094	3731	1422	4851
5010101612000705	1185	4042	1541	5255
5010101612000759	1277	4353	1660	5659
5010101612000814	1368	4664	1778	6063
5010101612000868	1459	4975	1897	6468
5010101612000923	1550	5286	2015	6872
5010101612000977	1641	5597	2134	7276
5010101612001032	1733	5908	2252	7680
5010101612001086	1824	6219	2371	8084
5010101612001141	1915	6530	2489	8489
5010101612001195	2006	6841	2608	8893
5010101612001250	2097	7152	2726	9297
5010101612001304	2188	7463	2845	9701
5010101612001359	2280	7773	2964	10106
5010101612001413	2371	8084	3082	10510
5010101612001468	2462	8395	3201	10914
5010101614000323	628	2142	817	2785
5010101614000378	733	2499	953	3249
5010101614000432	838	2856	1089	3713
5010101614000487	942	3213	1225	4177
5010101614000541	1047	3570	1361	4641
5010101614000596	1152	3927	1497	5105
5010101614000650	1256	4284	1633	5569
5010101614000705	1361	4641	1769	6033
5010101614000759	1466	4998	1905	6498
5010101614000814	1570	5355	2042	6962
5010101614000868	1675	5712	2178	7426
5010101614000923	1780	6069	2314	7890
5010101614000977	1885	6426	2450	8354
5010101614001032	1989	6783	2586	8818
5010101616000323	721	2459	938	3197
5010101616000378	841	2869	1094	3730
5010101616000432	962	3279	1250	4263
5010101616000487	1082	3689	1406	4796
5010101616000541	1202	4099	1563	5329
5010101616000596	1322	4509	1719	5862
5010101616000650	1442	4919	1875	6394
5010101616000705	1563	5329	2031	6927
5010101616000759	1683	5739	2188	7460
5010101616000814	1803	6149	2344	7993
5010101616000868	1923	6558	2500	8526
5010101616000923	2044	6968	2657	9059
5010101616000977	2164	7378	2813	9592
5010101616001032	2284	7788	2969	10125
5010101618000323	828	2824	1077	3671
5010101618000378	966	3294	1256	4283
5010101618000432	1104	3765	1435	4895
5010101618000487	1242	4236	1615	5506
5010101618000541	1380	4706	1794	6118
5010101618000596	1518	5177	1974	6730
5010101618000650	1656	5648	2153	7342
5010101618000705	1794	6118	2332	7954
5010101618000759	1932	6589	2512	8566
5010101618000814	2070	7060	2691	9177
5010101618000868	2208	7530	2871	9789
5010101618000923	2346	8001	3050	10401
5010101618000977	2484	8471	3230	11013
5010101618001032	2622	8942	3409	11625

LOGISTICS INFORMATION

Net Weight	Gross Weight	Package Volume	Package Dimensions (H x W x D)
kg	kg	m³	mm
12,16	14,45	0,06	1290X521,5X86
13,51	15,94	0,07	1290X576X86
14,87	17,44	0,07	1290X630,5X86
16,21	19,07	0,08	1290X685X86
17,56	20,56	0,09	1290X739,5X86
18,92	22,06	0,09	1290X794X86
20,27	23,55	0,10	1290X848,5X86
21,62	25,03	0,11	1290X903X86
22,98	26,54	0,11	1290X957,5X86
24,32	28,00	0,12	1290X1012X86
25,67	29,49	0,12	1290X1066,5X86
27,03	30,99	0,13	1290X1121X86
28,38	32,48	0,14	1290X1175