

**TWO HOUR AVAILABILITY
TABLE - GALLONS**

OIL FIRED TANK - TYPE WATER HEATERS - MANIFOLDED

TABLE 2 hr. D

Model	One Heater		Two Heaters		Three Heaters		Four Heaters	
	Gallons Storage	Gallons Available	Gallons Storage	Gallons Available	Gallons Storage	Gallons Available	Gallons Storage	Gallons Available
COF-199	86	446	172	892	258	1339	344	1785
COF-245	86	536	172	1072	258	1609	344	2145
COF-315	84	669	168	1338	252	2006	336	2675
COF-385	75	799	150	1597	225	2396	300	3194
COF-455	75	935	150	1869	225	2804	300	3736
COF-700	69	1406	138	2813	207	4219	276	5625

METHOD OF CALCULATION:
70% of Heater Tank Volume
Plus 2 x 100% Recovery at 100° Rise

**OIL FIRED TANK - TYPE WATER HEATERS
WITH AUXILIARY STORAGE TANK**

TABLE 2 hr. E

Model	Heaters Tank Size In Gallons	Storage Tank Sizes In U.S. Gallons*								
		T-80	T-120	T-140	T-200	T-350	T-400	T-500	T-750	T-1000
COF-199	86	510	542	558	606	726	766	846	1046	1246
COF-245	86	600	632	648	696	816	856	936	1136	1336
COF-315	84	733	766	782	830	950	990	1070	1270	1470
COF-385	75	863	902	918	966	1086	1126	1206	1406	1606
COF-455	75	999	1038	1054	1102	1222	1262	1342	1542	1742
COF-700	69	1470	1514	1530	1578	1698	1738	1818	2018	2218

METHOD OF CALCULATION:
80% of Storage Tank Volume
Plus 70% of Heater Tank Volume
Plus 2 x 100% Recovery at 100° Rise

**COMMERCIAL ELECTRIC BOOSTER
WITH AUXILIARY STORAGE TANKS**

TABLE 2 hr. F

No. of Heaters	Total KW	Storage Tank Size in U.S. Gallons**								
		T-80	T-120	T-140	T-200	T-350	T-400	T-500	T-750	T-1000
1 CMC-6	6	113	145	161						
1 CMC-9	9	138	170	186	234					
1 CMC-12	12	162	194	210	258					
1 CMC-15	15	187	219	235	283	403	443			
1 CMC-18	18	211	243	259	307	427	467			
1 CMC-20	20	228	260	276	324	444	484	564		
1 CMC-24	24	261	293	309	357	477	517	597		
1 CMC-30	30	310	342	358	406	526	566	646		
1 CMC-36	36	359	391	407	455	575	615	695		
1 CMC-45	45	433	465	481	529	649	689	769		
1 CMC-54	54	507	539	555	603	723	763	843	1043	
2 CMC-30	60	556	588	604	652	772	812	892	1092	1292
2 CMC-36	72	654	686	702	750	870	910	990	1190	1390
2 CMC-45	90	801	833	849	897	1017	1057	1137	1337	1537
2 CMC-54	108	949	981	997	1045	1165	1205	1285	1485	1685

METHOD OF CALCULATION:
80% of Storage Tank Volume
Plus 2 x 100% Recovery at 100° Rise

** For complete selection of storage tanks, please go to www.hotwater.com



**TWO HOUR AVAILABILITY
TABLE - GALLONS**

**COPPER HEAT EXCHANGER TYPE WATER HEATERS
WITH AUXILIARY STORAGE TANKS**

TABLE 2 hr. A

Model	Storage Tank Size in U. S. Gallons*								
	T-80	T-120	T-140	T-200	T-350	T-400	T-500	T-750	T-1000
HW-120M	282	314	330	378	498	538	618	----	----
HW-160M	354	386	402	450	570	610	690	----	----
HW-200M	428	460	476	524	644	684	764	----	----
HW-225M	474	506	522	570	690	730	810	1,010	1,210
HW-300	646	678	694	742	862	902	982	1,182	1,382
HW-399	838	870	886	934	1,054	1,094	1,174	1,374	1,574
HW-420	878	910	926	974	1,094	1,134	1,214	1,414	1,614
HW-520	1,072	1,104	1,120	1,168	1,288	1,328	1,408	1,608	1,808
HW-670	1,364	1,396	1,412	1,460	1,580	1,620	1,700	1,900	2,100

METHOD OF CALCULATION: 80% of heater/tank volume plus 2 x 100% recovery @ 100° rise

GAS FIRED TANK - TYPE WATER HEATERS - MANIFOLDED

TABLE 2 hr. B

Model	GPH Recovery	One Heater		Two Heaters		Three Heaters		Four Heaters	
		Gallons Storage	Gallons Available	Gallons Storage	Gallons Available	Gallons Storage	Gallons Available	Gallons Storage	Gallons Available
BT-65	55	48	148	96	297	144	445	192	594
BT-80	68	75	196	150	392	225	588	300	787
BTC-80	80	75	220	150	440	225	660	300	880
BT-100	68	100	216	200	432	300	648	400	864
BTC-100	95	100	270	200	540	300	810	400	1,080
BTC-120	116	75	292	150	584	225	876	300	1,168
BTP-139	136	86	341	172	682	258	1,022	344	1,363
BTH-150/BTC-154	149	89	369	178	738	267	1,108	356	1,477
BTH-150/BTC-179	174	86	417	172	834	258	1,250	344	1,667
BTH-199/BTC-197	191	100	462	200	924	300	1,386	400	1,848
BTH-199/BTC-199	184	84	435	168	870	252	1,306	336	1,741
BTH-199/BTP-199	193	86	455	172	910	258	1,364	344	1,819
BTH-199/BTC-200	193	100	466	200	932	300	1,398	400	1,864
BTH-199/BTC-240	233	100	546	200	1,092	300	1,638	400	2,184
BTH-250/BTC-250	242	100	564	200	1,128	300	1,692	400	2,256
BTH-250/BTC-251	236	75	532	150	1,064	225	1,596	300	2,128
BTH-250/BTP-270	262	86	593	172	1,186	258	1,778	344	2,371
BTH-250/BTC-275	267	100	614	200	1,228	300	1,842	400	2,456
BTH-250/BTC-305	296	75	652	150	1,304	225	1,956	300	2,608
BTC-365	354	69	763	138	1,526	207	2,290	276	3,053
BTP-370	359	75	778	150	1,556	225	2,334	300	3,112
BTC-400	377	100	834	200	1,668	300	2,502	400	3,336
BTC-500	467	69	989	138	1,978	207	2,968	276	3,957
BTP-540	524	69	1,103	138	2,206	207	3,310	276	4,413
BTP-700	679	69	1,413	138	2,826	207	4,240	276	5,653

METHOD OF CALCULATION: 80% of heater/tank volume plus 2 x 100% recovery @ 100° rise

**GAS FIRED TANK - TYPE WATER HEATERS
WITH AUXILIARY STORAGE TANKS**

TABLE 2 hr. C

Model	GPH Recovery	Gallons Storage	Storage Tank Sizes in U. S. Gallons*								
			T-80	T-120	T-140	T-200	T-350	T-400	T-500	T-750	T-1000
BT-65	55	48	212	244	260	308	428	468	548	----	----
BT-80	68	75	260	292	308	356	476	516	596	----	----
BTC-80	80	75	284	316	332	380	500	540	620	----	----
BT-100	68	100	280	312	328	376	496	536	616	----	----
BTC-100	95	100	334	366	382	430	550	590	670	----	----
BTC-120	116	75	356	388	404	452	572	612	692	----	----
BTP-139	136	86	405	437	453	501	621	661	741	----	----
BTH-150/BTC-154	149	89	433	465	481	529	649	689	769	----	----
BTH-150/BTC-179	174	86	481	513	529	577	697	737	817	----	----
BTH-199/BTC-197	191	100	526	558	574	622	742	782	862	----	----
BTH-199/BTC-199	184	84	499	531	547	595	715	755	835	----	----
BTH-199/BTP-199	193	86	519	551	567	615	735	775	855	----	----
BTH-199/BTC-200	193	100	630	562	578	626	746	786	866	1,066	----
BTH-199/BTC-240	233	100	610	642	658	706	826	866	946	1,146	----
BTH-250/BTC-250	242	100	628	660	676	724	844	884	964	1,164	----
BTH-250/BTC-251	236	75	596	628	644	692	812	852	932	1,132	----
BTH-250/BTP-270	262	86	657	689	705	753	873	913	993	1,193	----
BTH-250/BTC-275	267	100	678	710	726	774	894	934	1,014	1,214	----
BTH-250/BTC-305	296	75	716	748	764	812	932	972	1,052	1,252	1,452
BTC-365	354	69	827	859	875	923	1,043	1,083	1,163	1,363	1,563
BTP-370	359	75	842	874	890	938	1,058	1,098	1,178	1,378	1,578
BTC-400	377	100	898	930	946	994	1,114	1,154	1,234	1,434	1,634
BTC-500	467	69	1,053	1,085	1,101	1,149	1,269	1,309	1,389	1,589	1,789
BTP-540	524	69	1,167	1,199	1,215	1,263	1,383	1,423	1,503	1,703	1,903
BTP-700	679	69	1,477	1,509	1,525	1,573	1,693	1,733	1,813	2,013	2,213

METHOD OF CALCULATION: 80% of heater/tank volume plus 2 x 100% recovery @ 100° rise

METHOD OF CALCULATION:
80% of heater/tank volume
plus 3x100% recovery @ 100° rise



**COMMERCIAL ELECTRIC STORAGE TYPE WATER HEATERS
(US GALLONS)**

TABLE 2 hr. G

**TWO HOUR AVAILABILITY
TABLE - GALLONS**

Model Number		DRE-52	DRE-80				DRE-120				DVE-52	DVE-80				DVE-120				DVE-150	DVE-200	DVE-250	DVE-300 or DHE-300	DVE-350 or DHE-350	DVE-400 or DHE-400	DVE-500 or DHE-500	DVE-600 or DHE-600	DVE-700 or DHE-700	DVE-800 or DHE-800	DVE-1000 or DHE-1000										
Storage Capacity		52	80	160	240	320	119	238	357	476	52	80	160	240	320	119	238	357	476	150	200	250	300	350	400	500	600	700	800	1000										
Number of Heaters		1	1	2	3	4	1	2	3	4	1	1	2	3	4	1	2	3	4	1	1	1	1	1	1	1	1	1	1											
KW EACH HEATER	6	---	---	---	---	---	---	---	---	---	90	113	226	339	452	145	290	435	580																					
	9	114	137	274	411	548	170	340	510	680	114	137	274	411	548	170	340	510	680																					
	12	139	162	324	486	648	194	388	582	776	139	162	324	486	648	194	388	582	776																					
	13.5	---	---	---	---	---	---	---	---	---	152	175	350	525	700	207	414	621	828																					
	15	165	187	374	561	748	219	438	657	876	165	187	374	561	748	219	438	657	876																					
	18	188	211	422	633	844	243	486	729	972	188	211	422	633	844	243	486	729	972																					
	24	238	261	522	783	1044	293	586	879	1172	238	261	522	783	1044	293	586	879	1172																					
	27	262	285	570	855	1140	317	634	951	1268	262	285	570	855	1140	317	634	951	1268																					
	30	288	310	620	930	1240	342	684	1026	1368	288	310	620	930	1240	342	684	1026	1368	366	406	446																		
	36	336	359	718	1077	1436	391	782	1173	1564	336	359	718	1077	1436	391	782	1173	1564	415	455	495	535																	
	40.5										373	396	792	1188	1584	428	856	1284	1712																					
	45										410	433	865	1298	1731	465	929	1394	1859	489	529	569	609	649	689	769														
	54										484	507	1014	1521	2028	539	1078	1617	2156																					
	60																			612	652	692	732	772	812	892	972	1052												
	75																			735	775	815	855	895	935	1015	1095	1175	1255											
	90																			858	898	938	978	1018	1058	1138	1218	1298	1378	1538										
	105																			981	1021	1061	1101	1141	1181	1261	1341	1421	1501	1661										
	120																			1104	1144	1184	1224	1264	1304	1384	1464	1544	1624	1784										
	150																			1350	1390	1430	1470	1510	1550	1630	1710	1790	1870	2030										
	180																			1596	1636	1676	1716	1756	1796	1876	1956	2036	2116	2276										
	210																						1922	1962	2002	2042	2122	2202	2282	2362	2522									
	240																						2168	2208	2248	2288	2368	2448	2528	2608	2768									
	270																							2454	2494	2534	2614	2694	2774	2854	3014									
	300																							2700	2740	2780	2860	2940	3020	3100	3260									
	330																								3026	3106	3186	3266	3346	3506										
	360																									3272	3352	3432	3512	3592	3752									
	390																										3518	3598	3678	3758	3838	3998								
	420																											3844	3924	4004	4084	4244								
	450																											4090	4170	4250	4330	4490								
	480																												4336	4416	4496	4576	4736							
	510																													4662	4742	4822	4982							
540																													4908	4988	5068	5228								
570																													5154	5234	5314	5474								
600																													5400	5480	5560	5720								
630																														5726	5806	5966								
660																														5972	6052	6212								
690																														6218	6298	6458								
720																														6544	6704									
780																															7196									
800																																7360								
840																																	7688							
900																																		8180						
990																																			8918					
1000																																			9000					
1080																																				9656				
1200																																					10640			