Effective 5/15/25

BOCK® WATER HEATERS

OptiTHERM® Performance Tables



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BUILT LIKE A BOCK

BOCK WATER HEATERS

OptiTHERM® 100 Gallon Performance Tables

Volume: 100 Gallons — Input: 125,000 BTU/HR

OT125*2-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	131	191	252	313	434	616	798	1,526	2,253	12.13	728	8
30˚ Rise	110	151	191	232	313	434	555	1,040	1,526	8.09	485	12
40˚ Rise	100	131	161	191	252	343	434	798	1,162	6.06	364	16
50˚ Rise	94	119	143	167	216	288	361	652	943	4.85	291	21
60˚ Rise	90	110	131	151	191	252	313	555	798	4.04	243	25
70˚ Rise	87	105	122	139	174	226	278	486	694	3.47	208	29
80˚ Rise	85	100	115	131	161	206	252	434	616	3.03	182	33
90˚ Rise	83	97	110	124	151	191	232	393	555	2.70	162	37
100˚ Rise	82	94	106	119	143	179	216	361	507	2.43	146	41
120˚ Rise	80	90	100	110	131	161	191	313	434	2.02	121	49
140˚ Rise	79	87	96	105	122	148	174	278	382	1.73	104	58

Volume: 100 Gallons — Input: 150,000 BTU/HR

OT150*2-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	143	216	288	361	507	725	943	1,817	2,690	14.56	873	7
30˚ Rise	119	167	216	264	361	507	652	1,234	1,817	9.70	582	10
40˚ Rise	106	143	179	216	288	398	507	943	1,380	7.28	437	14
50˚ Rise	99	128	157	186	245	332	419	769	1,118	5.82	349	17
60˚ Rise	94	119	143	167	216	288	361	652	943	4.85	291	21
70˚ Rise	91	112	132	153	195	257	320	569	819	4.16	250	24
80˚ Rise	88	106	125	143	179	234	288	507	725	3.64	218	27
90˚ Rise	86	102	119	135	167	216	264	458	652	3.23	194	31
100˚ Rise	85	99	114	128	157	201	245	419	594	2.91	175	34
120˚ Rise	82	94	106	119	143	179	216	361	507	2.43	146	41
140˚ Rise	80	91	101	112	132	164	195	320	444	2.08	125	48

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Volume: 100 Gallons — Input: 199,000 BTU/HR

OT199*2-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	166	261	357	452	643	930	1,217	2,363	3,510	19.11	1,147	5
30˚ Rise	134	197	261	325	452	643	834	1,599	2,363	12.74	764	8
40˚ Rise	118	166	213	261	357	500	643	1,217	1,790	9.56	573	10
50˚ Rise	108	146	185	223	299	414	529	987	1,446	7.64	459	13
60˚ Rise	102	134	166	197	261	357	452	834	1,217	6.37	382	16
70˚ Rise	97	125	152	179	234	316	398	725	1,053	5.46	328	18
80˚ Rise	94	118	142	166	213	285	357	643	930	4.78	287	21
90˚ Rise	91	112	134	155	197	261	325	580	834	4.25	255	24
100˚ Rise	89	108	127	146	185	242	299	529	758	3.82	229	26
120˚ Rise	86	102	118	134	166	213	261	452	643	3.19	191	31
140˚ Rise	84	97	111	125	152	193	234	398	561	2.73	164	37

Volume: 100 Gallons — Input: 250,000 BTU/HR

OT250*2-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	189	308	426	545	783	1,139	1,496	2,921	4,347	23.76	1,426	4
30˚ Rise	149	228	308	387	545	783	1,020	1,971	2,921	15.84	950	6
40˚ Rise	129	189	248	308	426	605	783	1,496	2,208	11.88	713	8
50˚ Rise	118	165	213	260	355	498	640	1,210	1,781	9.50	570	11
60˚ Rise	110	149	189	228	308	426	545	1,020	1,496	7.92	475	13
70˚ Rise	104	138	172	206	274	375	477	885	1,292	6.79	407	15
80˚ Rise	100	129	159	189	248	337	426	783	1,139	5.94	356	17
90˚ Rise	96	123	149	176	228	308	387	704	1,020	5.28	317	19
100˚ Rise	94	118	141	165	213	284	355	640	925	4.75	285	21
120˚ Rise	90	110	129	149	189	248	308	545	783	3.96	238	25
140˚ Rise	87	104	121	138	172	223	274	477	681	3.39	204	29

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OptiTHERM® 125 Gallon Performance Tables

Volume: 125 Gallons — Input: 300,000 BTU/HR

OT300*2-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	236	385	533	682	979	1,425	1,870	3,653	5,436	29.71	1,783	4
30˚ Rise	187	286	385	484	682	979	1,276	2,464	3,653	19.81	1,188	6
40˚ Rise	162	236	310	385	533	756	979	1,870	2,762	14.86	891	8
50˚ Rise	147	206	266	325	444	622	801	1,514	2,227	11.88	713	11
60˚ Rise	137	187	236	286	385	533	682	1,276	1,870	9.90	594	13
70˚ Rise	130	172	215	257	342	470	597	1,106	1,616	8.49	509	15
80˚ Rise	125	162	199	236	310	422	533	979	1,425	7.43	446	17
90˚ Rise	121	154	187	220	286	385	484	880	1,276	6.60	396	19
100˚ Rise	117	147	177	206	266	355	444	801	1,157	5.94	357	21
120˚ Rise	112	137	162	187	236	310	385	682	979	4.95	297	25
140˚ Rise	109	130	151	172	215	279	342	597	852	4.24	255	29

Volume: 125 Gallons — Input: 399,999 BTU/HR

OT400*2-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	282	476	670	864	1,252	1,834	2,416	4,745	7,074	38.82	2,329	3
30˚ Rise	217	346	476	605	864	1,252	1,640	3,193	4,745	25.88	1,553	5
40˚ Rise	185	282	379	476	670	961	1,252	2,416	3,581	19.41	1,164	6
50˚ Rise	165	243	320	398	553	786	1,019	1,951	2,882	15.53	932	8
60˚ Rise	152	217	282	346	476	670	864	1,640	2,416	12.94	776	10
70˚ Rise	143	198	254	309	420	587	753	1,418	2,084	11.09	665	11
80˚ Rise	136	185	233	282	379	524	670	1,252	1,834	9.70	582	13
90˚ Rise	131	174	217	260	346	476	605	1,123	1,640	8.63	518	14
100˚ Rise	126	165	204	243	320	437	553	1,019	1,485	7.76	466	16
120˚ Rise	120	152	185	217	282	379	476	864	1,252	6.47	388	19
140˚ Rise	115	143	171	198	254	337	420	753	1,086	5.55	333	23

Volume: 125 Gallons — Input: 500,000 BTU/HR

OT500*2-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	328	568	808	1,048	1,528	2,248	2,969	5,850	8,731	48.02	2,881	3
30˚ Rise	248	408	568	728	1,048	1,528	2,008	3,929	5,850	32.01	1,921	4
40˚ Rise	208	328	448	568	808	1,168	1,528	2,969	4,409	24.01	1,441	5
50˚ Rise	184	280	376	472	664	952	1,240	2,392	3,545	19.21	1,152	7
60˚ Rise	168	248	328	408	568	808	1,048	2,008	2,969	16.01	960	8
70˚ Rise	156	225	293	362	499	705	911	1,734	2,557	13.72	823	9
80˚ Rise	148	208	268	328	448	628	808	1,528	2,248	12.00	720	10
90˚ Rise	141	194	248	301	408	568	728	1,368	2,008	10.67	640	12
100˚ Rise	136	184	232	280	376	520	664	1,240	1,816	9.60	576	13
120˚ Rise	128	168	208	248	328	448	568	1,048	1,528	8.00	480	16
140˚ Rise	122	156	190	225	293	396	499	911	1,322	6.86	412	18

BOCK WATER HEATERS

OptiTHERM® 130 Gallon Performance Tables

Volume: 130 Gallons — Input: 600,000 BTU/HR

OT600-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	385	679	973	1,267	1,856	2,738	3,620	7,150	10,679	58.02	3,529	2
30˚ Rise	287	483	679	875	1,267	1,856	2,444	4,797	7,150	39.22	2,353	3
40˚ Rise	238	385	532	679	973	1,415	1,856	3,620	5,385	29.41	1,765	4
50˚ Rise	209	326	444	562	797	1,150	1,503	2,915	4,326	23.53	1,412	6
60˚ Rise	189	287	385	483	679	973	1,267	2,444	3,620	19.61	1,176	7
70˚ Rise	175	259	343	427	595	847	1,099	2,108	3,116	16.81	1,008	8
80˚ Rise	165	238	312	385	532	753	973	1,856	2,738	14.71	882	9
90˚ Rise	156	222	287	352	483	679	875	1,660	2,444	13.07	784	10
100˚ Rise	150	209	267	326	444	620	797	1,503	2,209	11.76	706	11
120˚ Rise	140	189	238	287	385	532	679	1,267	1,856	9.80	588	13
140˚ Rise	133	175	217	259	343	469	595	1,099	1,604	8.40	504	15

Volume: 130 Gallons — Input: 700,000 BTU/HR

OT700-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	434	777	1,120	1,464	2,150	3,179	4,209	8,326	12,444	68.63	4,118	2
30˚ Rise	317	544	770	997	1,450	2,129	2,808	5,525	8,242	45.28	2,717	3
40˚ Rise	263	434	606	777	1,120	1,635	2,150	4,209	6,267	34.31	2,059	4
50˚ Rise	228	366	503	640	915	1,326	1,738	3,385	5,032	27.45	1,647	5
60˚ Rise	205	320	434	549	777	1,120	1,464	2,836	4,209	22.88	1,373	6
70˚ Rise	189	287	385	483	679	973	1,267	2,444	3,620	19.61	1,176	7
80˚ Rise	177	263	348	434	606	863	1,120	2,150	3,179	17.16	1,029	8
90˚ Rise	167	244	320	396	549	777	1,006	1,921	2,836	15.25	915	9
100˚ Rise	160	228	297	366	503	709	915	1,738	2,562	13.73	824	9
120˚ Rise	148	205	263	320	434	606	777	1,464	2,150	11.44	686	11
140˚ Rise	140	189	238	287	385	532	679	1,267	1,856	9.80	588	13

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BOCK WATER HEATERS

OptiTHERM® 130 Gallon Performance Tables

Volume: 130 Gallons — Input: 800,000 BTU/HR

OT800-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	483	875	1,267	1,660	2,444	3,620	4,797	9,503	14,209	78.43	4,706	2
30˚ Rise	347	603	859	1,115	1,628	2,396	3,164	6,237	9,311	51.22	3,073	3
40˚ Rise	287	483	679	875	1,267	1,856	2,444	4,797	7,150	39.22	2,353	3
50˚ Rise	248	405	562	718	1,032	1,503	1,973	3,856	5,738	31.37	1,882	4
60˚ Rise	222	352	483	614	875	1,267	1,660	3,228	4,797	26.14	1,569	5
70˚ Rise	203	315	427	539	763	1,099	1,436	2,780	4,125	22.41	1,345	6
80˚ Rise	189	287	385	483	679	973	1,267	2,444	3,620	19.61	1,176	7
90˚ Rise	178	265	352	440	614	875	1,137	2,183	3,228	17.43	1,046	7
100˚ Rise	169	248	326	405	562	797	1,032	1,973	2,915	15.69	941	8
120˚ Rise	156	222	287	352	483	679	875	1,660	2,444	13.07	784	10
140˚ Rise	147	203	259	315	427	595	763	1,436	2,108	11.20	672	12

Volume: 130 Gallons — Input: 900,000 BTU/HR

OT900-A	Delivery (GAL)									Recovery (GPM)	Recovery (GPH)	Mins to Recover
	5 min.	10 min.	15 min.	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.			
20˚ Rise	532	973	1,415	1,856	2,738	4,062	5,385	10,679	15,973	88.24	5,294	1
30˚ Rise	379	667	955	1,243	1,820	2,684	3,548	7,006	10,463	57.62	3,457	2
40˚ Rise	312	532	753	973	1,415	2,076	2,738	5,385	8,032	44.12	2,647	3
50˚ Rise	267	444	620	797	1,150	1,679	2,209	4,326	6,444	35.29	2,118	4
60˚ Rise	238	385	532	679	973	1,415	1,856	3,620	5,385	29.41	1,765	4
70˚ Rise	217	343	469	595	847	1,225	1,604	3,116	4,629	25.21	1,513	5
80˚ Rise	201	312	422	532	753	1,084	1,415	2,738	4,062	22.06	1,324	6
90˚ Rise	189	287	385	483	679	973	1,267	2,444	3,620	19.61	1,176	7
100˚ Rise	179	267	356	444	620	885	1,150	2,209	3,267	17.65	1,059	7
120˚ Rise	165	238	312	385	532	753	973	1,856	2,738	14.71	882	9
140˚ Rise	154	217	280	343	469	658	847	1,604	2,360	12.61	756	10

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