

STAINLESS STEEL WATER HEATERS



HEAT EXCHANGER COIL RATINGS

**RAISING
THE
STANDARD**

HEAT-FLO, INC.

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200° F BOILER SUPPLY
IBR RATING CONDITIONS - 50°F INLET WATER

MODEL	30 and 40 LOW				40				60			
	Boiler flow = 14 gpm											
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	94	119	67	92	103	128	67	92	121	146	67	92
60,000	107	138	80	111	116	147	80	111	134	165	80	111
80,000	134	174	107	147	143	183	107	147	161	201	107	147
100,000	160	211	133	184	169	220	133	184	187	238	133	184
120,000	187	248	160	221	196	257	160	221	214	275	160	221
140,000	203	269	176	242	220	292	184	256	240	312	186	258
160,000	203	269	176	242	220	292	184	256	261	342	207	288

MODEL	60 LOW				80				115			
	Boiler flow = 14 gpm											
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	121	146	67	92	139	164	67	92	170	195	67	92
60,000	134	165	80	111	152	183	80	111	183	214	80	111
80,000	161	201	107	147	179	219	107	147	210	250	107	147
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	239	309	185	255	257	330	185	258	289	361	186	258
160,000	239	309	185	255	271	348	199	276	324	409	221	306

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output				80-HO High Output				115-HO High Output			
	Boiler flow = 14 gpm											
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	240	312	186	258	258	330	186	258	289	361	186	258
160,000	267	350	213	296	285	368	213	296	316	398	213	295
180,000	294	387	240	333	312	405	240	333	343	435	240	332
200,000	321	424	267	370	339	442	267	370	370	473	267	370
220,000	347	460	293	406	365	478	293	406	396	509	293	406
240,000	374	497	320	443	392	515	320	443	423	546	320	443
250,000	387	516	333	462	405	534	333	462	436	564	333	461
260,000	401	535	347	481	419	553	347	481	450	584	347	481
275,000	406	541	352	487	419	550	347	478	467	607	364	504

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output				115-XHO High Output			
	Boiler flow = 28 gpm							
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
200,000	343	446	267	370	370	473	267	370
220,000	369	482	293	406	396	509	293	406
240,000	396	519	320	443	423	546	320	443
250,000	409	538	333	462	436	565	333	462
275,000	443	583	367	507	470	610	367	507
325,000	509	677	433	601	536	704	433	601
350,000	543	723	467	647	570	750	467	647
375,000	576	769	500	693	603	796	500	693
400,000	609	815	533	739	636	842	533	739
425,000	643	862	567	786	670	889	567	786
450,000	676	906	600	830	703	933	600	830
495,000	736	991	660	915	763	1,018	660	915

190° F BOILER SUPPLY

IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW				40				60			
	Boiler flow = 14 gpm											
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	94	119	67	92	103	128	67	92	121	146	67	92
60,000	107	138	80	111	116	147	80	111	134	165	80	111
80,000	134	174	107	147	143	183	107	147	161	201	107	147
100,000	160	211	133	184	169	220	133	184	187	238	133	184
120,000	187	248	160	221	196	257	160	221	214	275	160	221
140,000	188	249	161	222	206	271	170	235	240	312	186	258
160,000	188	249	161	222	206	271	170	235	245	318	191	264

MODEL	60 LOW				80				115			
	Boiler flow = 14 gpm											
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	121	146	67	92	139	164	67	92	170	195	67	92
60,000	134	165	80	111	152	183	80	111	183	214	80	111
80,000	161	201	107	147	179	219	107	147	210	250	107	147
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	224	289	170	235	255	325	183	253	289	361	186	258
160,000	224	289	170	235	255	325	183	253	306	384	203	281

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output				80-HO High Output				115-HO High Output			
	Boiler flow = 14 gpm											
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	240	312	186	258	258	330	186	258	289	361	186	258
160,000	267	350	213	296	285	368	213	296	316	398	213	295
180,000	294	387	240	333	312	405	240	333	343	435	240	332
200,000	321	424	267	370	339	442	267	370	370	473	267	370
220,000	347	460	293	406	365	478	293	406	396	509	293	406
240,000	374	497	320	443	392	512	320	440	423	546	320	443
250,000	378	502	324	448	392	512	320	440	438	566	335	463
260,000	378	502	324	448	392	512	320	440	438	566	335	463
275,000	378	502	324	448	392	512	320	440	438	566	335	463

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output				115-XHO High Output			
	Boiler flow = 28 gpm							
	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
200,000	343	446	267	370	370	473	267	370
220,000	369	482	293	406	396	509	293	406
240,000	396	519	320	443	423	546	320	443
250,000	409	538	333	462	436	565	333	462
275,000	443	583	367	507	470	610	367	507
325,000	509	677	433	601	536	704	433	601
350,000	543	723	467	647	570	750	467	647
375,000	576	769	500	693	603	796	500	693
400,000	609	815	533	739	636	842	533	739
425,000	643	862	567	786	670	889	567	786
450,000	676	906	600	830	703	933	600	830
495,000	683	916	607	840	710	943	607	840

180° F BOILER SUPPLY

IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW				40				60			
	<i>Boiler flow = 14 gpm</i>											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	94	119	67	92	103	128	67	92	121	146	67	92
60,000	107	138	80	111	116	147	80	111	134	165	80	111
80,000	134	174	107	147	143	183	107	147	161	201	107	147
100,000	160	211	133	184	169	220	133	184	187	238	133	184
120,000	177	234	150	207	193	253	157	217	214	275	160	221
140,000	177	234	150	207	193	253	157	217	230	298	176	244

MODEL	60 LOW				80				115			
	<i>Boiler flow = 14 gpm</i>											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	121	146	67	92	139	164	67	92	170	195	67	92
60,000	134	165	80	111	152	183	80	111	183	214	80	111
80,000	161	201	107	147	179	219	107	147	210	250	107	147
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	211	271	157	217	232	293	160	221	263	324	160	221
140,000	211	271	157	217	241	306	169	234	289	361	186	258
160,000	211	271	157	217	241	306	169	234	290	362	187	259

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output				80-HO High Output				115-HO High Output			
	<i>Boiler flow = 14 gpm</i>											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	240	312	186	258	258	330	186	258	289	361	186	258
160,000	267	350	213	296	285	368	213	296	316	398	213	295
180,000	294	387	240	333	312	405	240	333	343	435	240	332
200,000	321	424	267	370	339	442	267	370	370	473	267	370
220,000	347	460	293	406	365	478	293	406	396	509	293	406
240,000	353	468	299	414	367	478	295	406	412	531	309	428
250,000	353	468	299	414	367	478	295	406	422	545	319	442

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output				115-XHO High Output			
	<i>Boiler flow = 28 gpm</i>							
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
200,000	343	446	267	370	370	473	267	370
220,000	369	482	293	406	396	509	293	406
240,000	396	519	320	443	423	546	320	443
250,000	409	538	333	462	436	565	333	462
275,000	443	583	367	507	470	610	367	507
325,000	509	677	433	601	536	704	433	601
350,000	543	723	467	647	570	750	467	647
375,000	576	769	500	693	603	796	500	693
400,000	609	815	533	739	636	842	533	739
425,000	643	862	567	786	670	889	567	786
450,000	647	867	571	791	674	894	571	791

170° F BOILER SUPPLY

IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW				40				60			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	94	119	67	92	103	128	67	92	121	146	67	92
60,000	107	138	80	111	116	147	80	111	134	165	80	111
80,000	134	174	107	147	143	183	107	147	161	201	107	147
100,000	159	210	132	183	169	220	133	184	187	238	133	184
120,000	159	210	132	183	176	229	140	193	210	271	156	217
140,000	159	210	132	183	176	229	140	193	210	271	156	217

MODEL	60 LOW				80				115			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	121	146	67	92	139	164	67	92	170	195	67	92
60,000	134	165	80	111	152	183	80	111	183	214	80	111
80,000	161	201	107	147	179	219	107	147	210	250	107	147
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	193	247	139	193	222	280	150	208	263	324	160	221
140,000	193	247	139	193	222	280	150	208	270	333	167	230

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output				80-HO High Output				115-HO High Output			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	240	312	186	258	258	330	186	258	289	361	186	258
160,000	267	350	213	296	285	368	213	296	316	398	213	296
180,000	294	387	240	333	312	405	240	333	343	435	240	333
200,000	319	421	265	367	333	432	261	360	378	483	275	380
220,000	319	421	265	367	333	432	261	360	378	483	275	380

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output				115-XHO High Output			
	Boiler flow = 28 gpm							
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
200,000	343	446	267	370	370	473	267	370
220,000	369	482	293	406	396	509	293	406
240,000	396	519	320	443	423	546	320	443
250,000	409	538	333	462	436	565	333	462
275,000	443	583	367	507	470	610	367	507
325,000	509	677	433	601	536	704	433	601
350,000	543	723	467	647	570	750	467	647
375,000	574	764	498	688	601	791	498	688
400,000	574	764	498	688	601	791	498	688

160° F BOILER SUPPLY

IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW				40				60			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	94	119	67	92	103	128	67	92	121	146	67	92
60,000	107	138	80	111	116	147	80	111	134	165	80	111
80,000	134	174	107	147	143	183	107	147	161	201	107	147
100,000	145	190	118	163	160	207	124	171	187	238	133	184
120,000	145	190	118	163	160	207	124	171	193	246	139	192

MODEL	60 LOW				80				115			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	121	146	67	92	139	164	67	92	170	195	67	92
60,000	134	165	80	111	152	183	80	111	183	214	80	111
80,000	161	201	107	147	179	219	107	147	210	250	107	147
100,000	177	224	123	170	205	256	133	184	236	287	133	184
120,000	177	224	123	170	205	256	133	184	251	307	148	204

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output				80-HO High Output				115-HO High Output			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	240	312	186	258	258	330	186	258	289	361	186	258
160,000	267	350	213	296	285	368	213	296	316	398	213	295
180,000	289	379	235	325	303	391	231	319	346	439	243	336
200,000	289	379	235	325	303	391	231	319	346	439	243	336

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output				115-XHO High Output			
	Boiler flow = 28 gpm							
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
200,000	343	446	267	370	370	473	267	370
220,000	369	482	293	406	396	509	293	406
240,000	396	519	320	443	423	546	320	443
250,000	409	538	333	462	436	565	333	462
275,000	443	583	367	507	470	610	367	507
325,000	509	677	433	601	536	704	433	601
350,000	517	686	441	610	544	713	441	610

150° F BOILER SUPPLY

IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW				40				60			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	94	119	67	92	103	128	67	92	121	146	67	92
60,000	107	138	80	111	116	147	80	111	134	165	80	111
80,000	129	168	102	141	143	183	107	147	161	201	107	147
100,000	129	168	102	141	144	185	108	149	175	221	121	167

MODEL	60 LOW				80				115			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
50,000	121	146	67	92	139	164	67	92	170	195	67	92
60,000	134	165	80	111	152	183	80	111	183	214	80	111
80,000	161	201	107	147	179	219	107	147	210	250	107	147
100,000	162	203	108	149	188	232	116	160	232	281	129	178

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output				80-HO High Output				115-HO High Output			
	Boiler flow = 14 gpm											
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
100,000	187	238	133	184	205	256	133	184	236	287	133	184
120,000	214	275	160	221	232	293	160	221	263	324	160	221
140,000	240	312	186	258	258	330	186	258	289	361	186	258
160,000	259	337	205	283	274	350	202	278	315	396	212	293
180,000	259	337	205	283	274	350	202	278	315	396	212	293

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output				115-XHO High Output			
	Boiler flow = 28 gpm							
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)		1st HOUR RATING (GAL/HR)		CONTINUOUS RATING (GAL/HR)	
	140 F	115 F	140 F	115 F	140 F	115 F	140 F	115 F
200,000	343	446	267	370	370	473	267	370
220,000	369	482	293	406	396	509	293	406
240,000	396	519	320	443	423	546	320	443
250,000	409	538	333	462	436	565	333	462
275,000	443	583	367	507	470	610	367	507
300,000	460	607	384	531	487	634	384	531

140° F BOILER SUPPLY
IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW		40		60	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
50,000	119	92	128	92	146	92
60,000	138	111	147	111	165	111
80,000	148	121	162	126	196	142
100,000	148	121	162	126	196	142

MODEL	60 LOW		80		115	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
50,000	146	92	164	92	195	92
60,000	165	111	183	111	214	111
80,000	180	126	183	111	250	147
100,000	180	126	183	111	254	151

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output		80-HO High Output		115-HO High Output	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
100,000	238	184	256	184	287	184
120,000	275	221	293	221	324	221
140,000	295	241	308	236	352	249
160,000	295	241	308	236	352	249

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output		115-XHO High Output	
	Boiler flow = 28 gpm			
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F
200,000	446	370	473	370
220,000	482	406	509	406
240,000	519	443	546	443
250,000	528	452	555	452

130° F BOILER SUPPLY
IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW		40		60	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
20,000	64	37	73	37	91	37
30,000	82	55	91	55	109	55
40,000	101	74	110	74	128	74
50,000	119	92	128	92	146	92
60,000	119	92	141	105	165	111
80,000	119	92	141	105	172	118
100,000	119	92	141	105	172	118

MODEL	60 LOW		80		115	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
20,000	91	37	109	37	140	37
30,000	109	55	127	55	158	55
40,000	128	74	146	74	177	74
50,000	146	92	164	92	195	92
60,000	158	104	183	111	214	111
80,000	158	104	185	113	228	125
100,000	158	104	185	113	228	125

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output		80-HO High Output		115-HO High Output	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
20,000	91	37	109	37	140	37
30,000	109	55	127	55	158	55
40,000	128	74	146	74	177	74
50,000	146	92	164	92	195	92
60,000	165	111	183	111	214	111
80,000	202	148	220	148	251	148
100,000	239	185	257	185	288	185
110,000	253	199	267	195	309	206
120,000	253	199	267	195	309	206

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output		115-XHO High Output	
	Boiler flow = 28 gpm			
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F
50,000	168	92	195	92
60,000	187	111	214	111
80,000	224	148	251	148
100,000	261	185	288	185
110,000	279	203	306	203
120,000	297	221	324	221
130,000	316	240	343	240
140,000	334	258	361	258
150,000	353	277	380	277
160,000	371	295	398	295
170,000	390	314	417	314
180,000	408	332	435	332
190,000	427	351	454	351
200,000	445	369	472	369
210,000	450	374	477	374
220,000	450	374	477	374

120° F BOILER SUPPLY

IBR RATING CONDITIONS - 50° F INLET WATER

MODEL	30 and 40LOW		40		60	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
20,000	64	37	73	37	91	37
30,000	82	55	91	55	109	55
40,000	101	74	110	74	128	74
50,000	105	78	119	83	146	92
60,000	105	78	119	83	147	93
80,000	105	78	119	83	147	93
100,000	105	78	119	83	147	93

MODEL	60 LOW		80		115	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
20,000	91	37	109	37	140	37
30,000	109	55	127	55	158	55
40,000	128	74	146	74	177	74
50,000	136	82	161	89	195	92
60,000	136	82	161	89	202	99
80,000	136	82	161	89	202	99
100,000	136	82	161	89	202	99

HIGH OUTPUT UNITS 60-HO / 80-HO / 115-HO [14 gpm BOILER FLOW]

MODEL	60-HO High Output		80-HO High Output		115-HO High Output	
	Boiler flow = 14 gpm					
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F	115 F	115 F
20,000	91	37	109	37	140	37
30,000	109	55	127	55	158	55
40,000	128	74	146	74	177	74
50,000	146	92	164	92	195	92
60,000	165	111	183	111	214	111
80,000	202	148	220	148	251	148
100,000	211	157	226	154	266	163

EXTRA HIGH OUTPUT UNITS 85-XHO / 115-XHO [28 gpm BOILER FLOW]

MODEL	85-XHO High Output		115-XHO High Output	
	Boiler flow = 28 gpm			
BOILER OUTPUT (BTU/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)	1st HOUR RATING (GAL/HR)	CONTINUOUS RATING (GAL/HR)
	115 F	115 F	115 F	115 F
50,000	168	92	195	92
60,000	187	111	214	111
80,000	224	148	251	148
100,000	261	185	288	185
110,000	279	203	306	203
120,000	297	221	324	221
130,000	316	240	343	240
140,000	334	258	361	258
150,000	353	277	380	277
160,000	371	295	398	295
170,000	371	295	398	295
180,000	371	295	398	295

HEAT-FLO INDIRECT PRESSURE DROP / BOILER FLOW

Model	Boiler Flow (gpm)					Coils		
	10	12	14	21	28	Length	Area	Internal Vol.
	HEAD (ft. of water)					(ft.)	(sq. ft.)	(gal.)
30	3.0	3.7	5.6	-	-	28.0	7.3	0.9
40	3.1	3.9	5.9	-	-	29.6	7.7	1.0
40 LOW	3.0	3.7	5.6	-	-	28.1	7.4	0.9
50	3.3	4.1	6.2	-	-	31.3	8.2	1.1
60	3.4	4.3	6.4	-	-	32.7	8.6	1.1
60 LOW	3.1	3.9	5.9	-	-	29.6	7.7	1.0
80	3.3	4.1	6.2	-	-	31.3	8.2	1.1
115	3.6	4.5	6.7	-	-	34.7	9.1	1.2
60-HO	5.6	7.0	10.5	-	-	57.3	15.1	1.9
80-HO	5.5	6.9	10.3	-	-	56.3	14.8	1.9
115-HO	5.8	7.2	10.8	-	-	59.6	15.6	2.0
80-HO-C	5.5	6.9	10.3	15.8	-	56.3	14.8	1.9
115-HO-C	5.8	7.2	10.8	16.7	-	59.6	15.6	2.0
85-XHO	-	-	3.5	7.5	13	105.2	28.8	4.9
115-XHO	-	-	3.5	7.5	13	105.2	28.8	4.9

115-D TOP COIL OUTPUT (BTU/HR)

COIL USED TO HEAT RADIANT LOOP

Coil Inlet Temp. (F)	TANK TEMP. (deg. F)						
	180	170	160	150	140	130	120
80	114000	102000	90000	78000	66000	54000	42000
85	108000	96000	84000	72000	60000	48000	36000
90	102000	90000	78000	66000	54000	42000	30000
95	96000	84000	72000	60000	48000	36000	24000
100	90000	78000	66000	54000	42000	30000	18000
105	84000	72000	60000	48000	36000	24000	12000
110	78000	66000	54000	42000	30000	18000	6000
115	72000	60000	48000	36000	24000	12000	3000
120	66000	54000	42000	30000	18000	6000	0
125	60000	48000	36000	24000	12000	3000	
130	54000	42000	30000	18000	6000	0	
135	48000	36000	24000	12000	3000		
140	42000	30000	18000	6000	0		

80-D TOP COIL OUTPUT (BTU/HR)

COIL USED TO HEAT RADIANT LOOP

Coil Inlet Temp. (F)	TANK TEMP. (deg. F)						
	180	170	160	150	140	130	120
80	106000	111600	83700	72500	61400	50200	39000
85	100400	89300	78100	67000	56000	44600	33500
90	111600	83700	72500	61400	50200	39000	27900
95	89300	78100	67000	56000	44600	33500	22300
100	83700	72500	61400	50200	39000	27900	16700
105	78100	67000	56000	44600	33500	22300	11160
110	72500	61400	50200	39000	27900	16700	5600
115	67000	56000	44600	33500	22300	11160	2800
120	61400	50200	39000	27900	16700	5600	0
125	56000	44600	33500	22300	11160	2800	
130	50200	39000	27900	16700	5600	0	
135	44600	33500	22300	11160	2800		
140	39000	27900	16700	5600	0		



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