

DIMENSIONS

Electric Resistance Steam Boilers

Model S Dimensions

MODEL NO	CONNECTION SIZE (NPT)					DIMENSIONS (IN.)				CLEARANCES		APPROXIMATE WEIGHTS (LBS.)	
	BLOWDOWN		STEAM OUTLET*		FEED-WATER	WIDTH A	DEPTH B	HEIGHT C	LWCO D	TOP E	SIDES F	SHIPPING	OPERATING
	15 PSIG	150 PSIG	15 PSIG	150 PSIG									
S-120	3/4	3/4	1-1/2	1-1/4	1/2	38	38	58	18	12	16	600	675
S-161	3/4	3/4	2	1-1/4	1/2	44	42	69	35	12	20	750	880
S-162	3/4	3/4	2	2	1/2	44	42	69	35	12	20	800	930
S-200	1	1	3 flg	2	3/4	46	47	76	42	12	20	1150	1480
S-241	1-1/4	1	4 flg	2	3/4	43	58	78	42	12	20	1400	1900
S-242	1-1/4	1	4 flg	2	3/4	43	58	78	42	12	20	1600	2000
S-301	1-1/2	1	6 flg	3 flg	3/4	49	62	94	50	15	20	2100	3000
S-302	1-1/2	1	6 flg	3 flg	3/4	49	66	94	50	15	20	2200	3300
S-361	1-1/2	1	8 flg	4 flg	3/4	56	72	79	41	18	36	2900	4000
S-362	1-1/2	1	8 flg	4 flg	3/4	56	78	94	52	18	36	3200	4800
S-421	1-1/2	1	8 flg	4 flg	1	62	84	82	44	18	36	4150	5800
S-422	1-1/2	1	8 flg	4 flg	1	62	84	94	52	18	36	4500	6700
S-480	2	1-1/4	10 flg	6 flg	1	72	90	104	52	18	36	5450	8000

Model CR Dimensions

MODEL NO	CONNECTION SIZE (NPT)						DIMENSIONS (IN.)				APPROXIMATE WEIGHTS (LBS.)	
	BLOWDOWN		STEAM OUTLET*		COND. RETURN	OVER-FLOW	WIDTH A	DEPTH B	HEIGHT C	LWCO D	SHIPPING	OPERATING
	15 PSIG	150 PSIG	15 PSIG	150 PSIG								
CR-120	3/4	3/4	1-1/2	1-1/4	3/4	3/4	40	46	58	18	850	950
CR-161	3/4	3/4	2	1-1/4	1	1	44	50	69	35	1050	1200
CR-162	3/4	3/4	2	2	1	1	44	50	69	35	1150	1280
CR-200	1	1	3 flg	2	1-1/4	1-1/4	48	54	76	42	1650	2030
CR-241	1-1/4	1	4 flg	2	1-1/2	1-1/2	43	58	78	42	2000	2600
CR-242	1-1/4	1	4 flg	2	1-1/2	1-1/2	43	58	78	42	2200	2700

Model HSB Dimensions

MODEL NO	CONNECTION SIZE (NPT)					DIMENSIONS (IN.)				CLEARANCES		APPROXIMATE WEIGHTS (LBS.)	
	BLOWDOWN		STEAM OUTLET**		FEED-WATER	WIDTH A	DEPTH B	HEIGHT C	LWCO D	TOP E	SIDES F	SHIPPING	OPERATING
	15 PSIG	150 PSIG	15 PSIG	150 PSIG									
HSB-423	2	1-1/2	10	4	1	155	70	72	34	24	36	5700	8000
HSB-424	2	1-1/2	10	6	1	172	72	72	34	24	36	6400	9300
HSB-425	2	1-1/2	10	6	1	189	72	72	34	24	36	7100	10600

Dimensional heights are for the boilers only. Control panel size varies based on the number of steps and optional equipment.

* Steam Outlet is MPT connection unless otherwise noted.

** Steam Outlet is 150# ANSI Flange connection unless otherwise noted.



RATINGS

Electric Resistance Steam Boilers

Model S/CR Ratings 208V, 240V Supplies

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	ASME (Steam lbs/hr)	ELEMENTS		# of CONTACTORS	NUMBER and kW of STEPS	3-PHASE AMPERES	
					Qty	kW			208/240V	208/240V
S-120or CR-120	9	7	12	42	3	4	1	1 @ 12	34	30
			24	84	6	4	2	1 @ 24	68	59
			36	126	9	4	3	1 @ 36	101	88
			48	168	12	4	4	2 @ 24	134	116
S-161or CR-161	23	16	60	210	9	6.7	3	1 @40, 1 @20	168	145
			80	280	12	6.7	4	2 @ 40	223	193
S-162or CR-162	23	16	100	350	15	6.7	5	2 @40, 1 @20	279	242
			120	420	18	6.7	6	3 @ 40	334	290
			140	490	21	6.7	7	3 @ 40, 1 @ 20	390	338
S-200or CR-200	48	26	160	560	24	6.7	8	4 @ 40	445	386
			180	630	27	6.7	9	4 @40, 1 @20	501	434
			200	700	30	6.7	10	5 @ 40	556	482
			220	770	33	6.7	11	5 @40, 1 @ 20	612	530
S-241or CR-241	62	53	240	840	36	6.7	12	6 @ 40	667	578
			260	910	39	6.7	13	6 @40, 1 @ 20	723	626
			280	980	42	6.7	14	7 @ 40	778	675
			300	1050	45	6.7	15	7 @ 40, 1 @ 20	834	723
S-242or CR-242	62	53	320	1120	48	6.7	16	8 @ 40	889	771
			340	1190	51	6.7	17	8 @ 40, 1 @ 20	945	819
			360	1260	54	6.7	18	2 @ 60, 6 @ 40	1000	867
			380	1330	57	6.7	19	3 @ 60, 5 @ 40	1056	915
			400	1400	60	6.7	20	4 @ 60, 4 @ 40	1111	963

RATINGS

Electric Resistance Steam Boilers

Table B4-6. Model S/CR Ratings 380V, 415V Supplies

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rating kW	Steam lb./hr @ 212°F	No. of Elements Qty @ kW	# of CONTACTORS	No. of Steps @ kW	3-PHASE AMPERES	
								380 V	415 V
S-161 or CR-161	23	16	15	51	3 @ 5	1	1 @ 15	23	21
			30	102	6 @ 5	1	1@30	46	42
			45	154	9 @ 5	2	1@15, 1@30	68	63
			60	205	12 @ 5	2	2@30	91	83
S-162 or CR-162	23	16	75	256	15 @ 5	3	1@15, 2@30	114	104
			90	307	18 @ 5	3	3@30	137	125
			105	358	21 @ 5	4	1@15, 3@30	160	146
			120	409	24 @ 5	4	4@30	182	167
S-200 or CR-200	48	26	135	461	27 @ 5	5	1@15, 4@30	205	188
			150	512	30 @ 5	5	5@30	228	209
			165	563	33 @ 5	6	1@15, 5@30	251	230
			180	614	36 @ 5	6	6@30	273	250
S-241 or CR-241	62	53	210	717	21 @ 10	7	7@30	319	292
			240	819	24 @ 10	8	8@30	365	334
S-242 or CR-242	62	53	270	921	27 @ 10	9	7@30, 1@60	410	376
			300	1024	30 @ 10	10	6@30, 2@60	456	417
			330	1126	33 @ 10	11	5@30, 3@60	501	459
			360	1228	36 @ 10	12	4@30, 4@60	547	501
			390	1331	39 @ 10	13	3@30, 5@60	593	543
			420	1433	42 @ 10	14	2@30, 6@60	638	584
			450	1535	45 @ 10	15	1@30, 7@60	684	626
			480	1638	48 @ 10	16	8@60	729	668
S-301	110	53	510	1740	51 @ 10	17	3@30, 7@60	775	710
			540	1842	54 @ 10	18	2@30, 8@60	821	752
			570	1945	57 @ 10	19	1@30, 9@60	867	793
			600	2047	60 @ 10	20	10@60	912	835
			630	2150	63 @ 10	21	3@30, 9@60	958	877
			660	2252	66 @ 10	22	2@30, 10@60	1003	919
			690	2354	69 @ 10	23	1@30, 11@60	1049	960
			720	2457	72 @ 10	24	12@60	1094	1002
S-362	200	130	750	2559	75 @ 10	25	11@60, 1@90	1140	1044
			780	2661	78 @ 10	26	10@60, 2@90	1186	1086
			810	2764	81 @ 10	27	9@60, 3@90	1231	1127
			840	2866	84 @ 10	28	8@60, 4@90	1277	1169
			870	2968	87 @ 10	29	7@60, 5@90	1322	1211
			900	3071	90 @ 10	30	6@60, 6@90	1368	1253
			930	3173	93 @ 10	31	5@60, 7@90	1413	1294
			960	3276	96 @ 10	32	4@60, 8@90	1459	1336
			990	3378	99 @ 10	33	3@60, 9@90	1505	1378

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Electric Resistance Steam Boilers

Table B4-6. Model S/CR Ratings 380V, 415V Supplies (Continued)

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rating kW	Steam lb./hr @ 212°F	No. of Elements Qty @ kW	# of CONTACTORS	No. of Steps @ kW	3-PHASE AMPERES	
								380 V	415 V
S-421	210	180	1020	3480	102 @ 10	34	2@60, 10@90	1550	1420
			1050	3583	105 @ 10	35	1@60, 11@90	1596	1461
			1080	3686	108 @ 10	36	12@90	1641	1503
S-422	270	180	1110	3787	111 @ 10	37	5@60, 9@90	1687	1545
			1140	3890	114 @ 10	38	4@60, 10@90	1733	1586
			1170	3992	117 @ 10	39	3@60, 11@90	1778	1628
			1200	4094	120 @ 10	40	2@60, 12@90	1824	1670
			1230	4197	123 @ 10	41	1@60, 13@90	1869	1712
			1260	4299	126 @ 10	42	14@90	1915	1753
			1290	4401	129 @ 10	43	5@60, 11@90	1960	1795
			1320	4504	132 @ 10	44	4@60, 12@90	2006	1837
S-480	360	235	1380	4709	138 @ 10	46	2@60, 14@90	2097	1920
			1410	4811	141 @ 10	47	1@60, 15@90	2142	1962
			1440	4913	144 @ 10	48	16@90	2188	2003
			1470	5016	147 @ 10	49	5@60, 13@90	2233	2045
			1500	5118	150 @ 10	50	4@60, 14@90	2279	2087
			1530	5220	153 @ 10	51	3@60, 15@90	2325	2129
			1560	5323	156 @ 10	52	2@60, 16@90	2370	2170
			1590	5425	159 @ 10	53	1@60, 17@90	2416	2212
			1620	5527	162 @ 10	54	18@90	2461	2254

RATINGS

Electric Resistance Steam Boilers

Table B4-7. Model S/CR Ratings 480V Supplies

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	ASME (Steam lbs/hr)	ELEMENTS		# of Contactors	NUMBER and kW of STEPS	3-PHASE AMPERES
					Qty	kW			
S-120 or CR-120	9	7	12	42	3	4	1	1 @ 12	15
			24	84	6	4	1	1 @ 24	29
			36	126	9	4	1	1 @ 36	44
			48	168	12	4	2	2 @ 24	58
S-161 or CR-161	23	16	60	210	9	6.7	2	1 @40, 1 @20	73
			80	280	12	6.7	2	2 @ 40	97
S-162 or CR-162	23	16	100	350	15	6.7	3	2 @40, 1 @20	121
			120	420	18	6.7	3	3 @ 40	145
			140	490	21	6.7	4	3 @40, 1 @20	169
S-200 or CR-200	48	26	160	560	24	6.7	4	4 @ 40	193
			180	630	27	6.7	5	4 @40, 1 @20	217
			200	700	30	6.7	5	5 @ 40	241
			220	770	33	6.7	6	5 @40, 1 @20	265
			240	840	36	6.7	6	6 @ 40	289
S-241 or CR-241	62	53	260	910	39	6.7	7	6 @40, 1 @20	314
			280	980	42	6.7	7	7 @ 40	338
			300	1050	45	6.7	8	7 @40, 1 @20	362
			320	1120	48	6.7	8	8 @ 40	386
S-242 or CR-242	62	53	340	1190	51	6.7	9	8 @40, 1 @20	410
			360	1260	54	6.7	9	1 @80, 7 @40	434
			380	1330	57	6.7	10	1@80,6@40,1@60	458
			400	1400	60	6.7	10	2 @80, 6 @40	482
			420	1470	63	6.7	11	2@80,5@40,1@60	506
CR-242	62	53	440	1540	66	6.7	11	3 @80, 5 @40	530
			460	1610	69	6.7	12	3@80,4@40,1@60	554
			480	1680	72	6.7	12	4 @80, 4 @40	578
S-301	110	70	440	1540	66	6.7	11	3 @80, 5 @40	530
			460	1610	69	6.7	12	3@80,4@40,1@60	554
			480	1680	72	6.7	12	4 @80, 4 @40	578

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Electric Resistance Steam Boilers

Table B4-7. Model S/CR Ratings 480V Supplies (Continued)

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	ASME (Steam lbs/ hr)	ELEMENTS		# of Contactors	NUMBER and kW of STEPS	3-PHASE AMPERE
					Qty	kW			
S-302	140	90	500	1750	75	6.7	13	4 @80, 3 @40, 1@60	603
			520	1820	78	6.7	13	5 @80, 3 @40	627
			540	1890	81	6.7	14	5 @80, 2 @40, 1@60	651
			560	1960	84	6.7	14	6 @80, 2 @40	675
			580	2030	87	6.7	15	6 @80, 1 @40, 1@60	699
			600	2100	90	6.7	15	7 @80, 1 @40	723
			620	2170	93	6.7	16	7 @80, 1 @60	747
			640	2240	96	6.7	16	8 @ 80	771
			660	2310	99	6.7	17	6 @80, 3 @40, 1@60	795
			680	2380	102	6.7	17	7 @80, 3 @40	819
			700	2450	105	6.7	18	7 @80, 2 @40, 1@60	843
			720	2520	108	6.7	18	8 @ 80, 2 @40	867
S-361	150	100	756	2646	63	12	21	9 @72, 3 @36	911
			792	2772	66	12	22	10 @72, 2 @36	954
			828	2898	69	12	23	11 @72, 1 @36	998
			864	3024	72	12	24	12 @ 72	1041
S-362	200	130	900	3276	75	12	25	12 @72, 1 @36	1084
			936	3402	78	12	26	13 @ 72	1128
			972	3528	81	12	27	13 @72, 1 @36	1171
			1008	3780	84	12	28	14 @ 72	1214
S-421	210	140	1044	3654	87	12	29	14 @72, 1 @36	1258
			1080	3780	90	12	30	15 @ 72	1301
			1116	3906	93	12	31	15 @72, 1 @36	1344
			1152	4032	96	12	32	16 @ 72	1388
			1188	4158	99	12	33	16 @72, 1 @36	1431
			1224	4284	102	12	34	17 @ 72	1474
			1260	4410	105	12	35	17 @72, 1 @36	1518
			1296	4536	108	12	36	18 @ 72	1560

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Electric Resistance Steam Boilers

Table B4-7. Model S/CR Ratings 480V Supplies (Continued)

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	ASME (Steam lbs/ hr)	ELEMENTS		# of Contactors	NUMBER and kW of STEPS	3-PHASE AMPERE
					Qty	kW			
S-422	270	180	1332	4662	111	12	37	18 @ 72, 1 @36	1605
			1368	4788	114	12	38	19 @ 72	1648
			1404	4914	117	12	39	19 @ 72, 1 @36	1691
S-480	360	235	1440	5040	120	12	40	20 @ 72	1735
			1476	5166	123	12	41	9 @108, 7 @72	1778
			1512	5290	126	12	42	10 @108, 6 @72	1821
			1548	5418	129	12	43	11 @108, 5 @72	1864
			1584	5540	132	12	44	12 @108, 4 @72	1908
			1620	5670	135	12	45	13 @108, 3 @72	1951
			1656	5790	138	12	46	14 @108, 2 @72	1995
			1692	5922	141	12	47	15 @108, 1 @72	2038
			1728	6050	144	12	48	16 @ 108	2081
			1764	6174	147	12	49	13@108, 5@72	2125
			1800	6300	150	12	50	14@108, 4@72	2168
			1836	6426	153	12	51	15@108, 3@72	2211
			1872	6552	156	12	52	16@108, 2@72	2254
			1908	6678	159	12	53	17@108, 1@72	2298
1944	6804	162	12	54	18@108	2341			

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Electric Resistance Steam Boilers

Table B4-8. Model S/CR Ratings 600V Supply

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	ASME (Steam lbs/hr)	ELEMENTS		# of CONTACTORS 600 V	NUMBER and kW of STEPS 600 V	3-PHASE AMPERES 600 V
					Qty	kW			
S-120 or CR-120	9	7	19	66	3	6.3	1	1 @ 19	19
			38	131	6	6.3	1	1 @ 37	37
CR-120	9	7	56	197	9	6.3	2	1 @37, 1 @19	54
S-161	23	16	56	197	9	6.3	2	1 @37, 1 @19	54
			70	246	9	7.8	2	1 @47, 1 @23	68
			75	263	12	6.3	2	2 @ 37	73
			94	328	12	7.8	2	2 @ 47	91
CR-161	23	16	70	246	9	7.8	2	1 @47, 1 @23	68
			94	328	12	7.8	2	2 @ 47	91
S-162	23	16	117	410	15	7.8	3	2 @47, 1 @23	113
			141	492	18	7.8	3	3 @ 47	136
CR-162	23	16	164	574	21	7.8	4	3 @47, 1 @23	158
S-200	48	26	164	574	21	7.8	4	3 @47, 1 @23	158
S-200 or CR-200	48	26	188	656	24	7.8	4	4 @ 47	182
			211	738	27	7.8	5	4 @47, 1 @23	204
			234	820	30	7.8	5	5 @ 47	226
			258	902	33	7.8	6	5 @47, 1 @23	249
			281	984	36	7.8	6	6 @ 47	271
S-241 or CR-241	62	53	305	1066	39	7.8	7	6 @47, 1 @23	294
			328	1148	42	7.8	7	7 @ 47	316
			352	1230	45	7.8	8	7 @47, 1 @23	340
			375	1313	48	7.8	8	8 @ 47	362
S-242 or CR-242	62	53	398	1395	51	7.8	9	7 @47, 1 @70	384
			422	1477	54	7.8	9	1 @94, 7 @47	407
			445	1559	57	7.8	10	1 @94, 6 @47, 1 @70	429
CR-242	62	53	469	1641	60	7.8	10	2 @94, 6 @47	452
			492	1724	63	7.8	10	2 @94, 5 @47, 1 @70	474
			516	1805	66	7.8	11	3 @94, 5 @47	498
			539	1889	69	7.8	11	3 @94, 4 @47, 1 @70	520
			563	1969	72	7.8	12	4 @94, 4 @47	543
S-301	110	70	469	1641	60	7.8	10	2 @94, 6 @47	452
			492	1724	63	7.8	10	2 @94, 5 @47, 1 @70	474
			516	1805	66	7.8	11	3 @94, 5 @47	498
			539	1889	69	7.8	11	3 @94, 4 @47, 1 @70	520
			563	1969	72	7.8	12	4 @94, 4 @47	543

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Electric Resistance Steam Boilers

Table B4-8. Model S/CR Ratings 600V Supply (Continued)

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	ASME (Steam lbs/ hr)	ELEMENTS		# of CONTACTORS 600 V	NUMBER and kW of STEPS	3-PHASE AMPERES
					Qty	kW		600 V	600 V
S-302	140	90	586	2054	75	7.8	12	4 @94, 3 @47, 1@70	565
			609	2133	78	7.8	13	5 @94, 3 @47	587
			633	2218	81	7.8	13	5 @94, 2 @47, 1@70	610
			656	2297	84	7.8	14	6 @94, 2 @47	632
			672	2355	87	7.8	14	6 @94, 1 @47, 1@70	648
			703	2461	90	7.8	15	7 @94, 1 @47	678
S-361	150	100	750	2625	48	15.6	16	6 @94, 4 @47	723
			797	2789	51	15.6	17	7 @94, 3 @47	768
			844	2953	54	15.6	18	8 @94, 2 @47	814
			891	3117	57	15.6	19	9 @94, 1 @47	859
			938	3281	60	15.6	20	10 @ 94	904
			984	3445	63	15.6	21	9 @94 3 @47	948
S-421	210	140	1031	3609	66	15.6	22	10 @94, 2 @47	994
			1078	3773	69	15.6	23	11 @94, 1 @47	1039
			1125	3938	72	15.6	24	12 @ 94	1084
			1172	4102	75	15.6	25	12 @94, 1 @47	1129
			1219	4266	78	15.6	26	13 @ 94	1175
			1266	4430	81	15.6	27	13 @94, 1 @47	1220
			1313	4594	84	15.6	28	14 @ 94	1265
			1359	4758	87	15.6	29	14 @94, 1 @47	1310
			1406	4922	90	15.6	30	15 @ 94	1355
			1453*	5086	93	15.6	31	15 @94, 1 @47	1400
			1500*	5250	96	15.6	32	16 @ 94	1445
			1547*	5414	99	15.6	33	16 @94, 1 @47	1491
			1594*	5578	102	15.6	34	17 @ 94	1536
1641*	5742	105	15.6	35	17 @94, 1 @47	1581			
1688*	5906	108	15.6	36	18 @ 94	1627			
S-480	360	235	1734	6070	111	15.6	37	17 @94, 3 @47	1671
			1781	6234	114	15.6	38	18 @94, 2 @47	1716
			1828	6398	117	15.6	39	19 @94, 1 @47	1761
			1875	6563	120	15.6	40	20 @ 94	1807
			1922*	6727	123	15.6	41	9 @ 141, 7 @94	1852
			1969*	6891	126	15.6	42	10 @ 141, 6 @94	1897
			2016*	7055	129	15.6	43	11 @ 141, 5 @94	1943
			2063*	7219	132	15.6	44	12 @ 141, 4 @94	1988
			2109*	7383	135	15.6	45	13 @ 141, 3 @94	2032
			2156*	7547	138	15.6	46	14 @ 141, 2 @94	2077
			2203*	7711	141	15.6	47	15 @ 141, 1 @94	2123
			2250*	7875	144	15.6	48	16 @ 141	2168

* High pressure only

RATINGS

Electric Resistance Steam Boilers

Table B4-9. Model HSB Ratings 380V, 415V Supply

Model	Vessel Capacity (gallons)	Steam Space (gallons)	Rating kW	Steam lb./hr @ 212°F	No. of Elements Qty @ kW	# of CONTACTORS	No. of Steps @ kW	3-PHASE AMPERES	
								380 V	415 V
HSB-424	385	260	1650	5630	165 @ 10	55	5@60, 15@90	2507	2296
			1680	5732	168 @ 10	56	4@60, 16@90	2553	2337
			1710	5835	171 @ 10	57	3@60, 17@90	2598	2379
			1740	5937	174 @ 10	58	2@60, 18@90	2644	2421
			1770	6039	177 @ 10	59	1@60, 19@90	2689	2463
			1800	6142	180 @ 10	60	20@90	2735	2504

RATINGS

Electric Resistance Steam Boilers

Model HSB Ratings 480V Supply

MODEL #	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	Steam lb./hr @ 212°F	ELEMENTS		# of CONTACTORS	No. of Steps @ kW	3-PHASE AMPERES
					Qty	kW			
HSB-423	300	200	1560	5460	117	13.3	39	7 @120, 9 @80	1879
			1600	5600	120	13.3	40	8 @120, 8 @80	1927
			1640	5740	123	13.3	41	9 @120, 7 @80	1975
			1680	5880	126	13.3	42	10 @120, 6 @80	2025
			1720	6020	129	13.3	43	11 @120, 5 @80	2072
			1760	6160	132	13.3	44	12 @120, 4 @80	2120
			1800	6300	135	13.3	45	13 @120, 3 @80	2168
			1840	6440	138	13.3	46	14 @120, 2 @80	2216
			1880	6580	141	13.3	47	15 @120, 1 @80	2264
			1920	6720	144	13.3	48	16 @ 120	2313
HSB-424	385	260	1960	6860	147	13.3	49	1 @160, 15 @120	2361
			2000	7000	150	13.3	50	2 @160, 14 @120	2409
			2040	7140	153	13.3	51	3 @160, 13 @120	2457
			2080	7280	156	13.3	52	4 @160, 12 @120	2505
			2120	7420	159	13.3	53	5 @160, 11 @120	2553
			2160	7560	162	13.3	54	6 @160, 10 @120	2602
			2200	7700	165	13.3	55	7 @160, 9 @120	2650
			2240	7840	168	13.3	56	8 @160, 8 @120	2698
			2280	7980	171	13.3	57	9 @160, 7 @120	2746
			2320	8120	174	13.3	58	10 @160, 6 @120	2794
			2360	8260	177	13.3	59	11 @160, 5 @120	2843
			2400	8400	180	13.3	60	12 @160, 4 @120	2891
HSB-425	470	320	2440	8540	183	13.3	61	13 @160, 3 @120	2939
			2480	8680	186	13.3	62	14 @160, 2 @120	2987
			2520	8820	189	13.3	63	15 @160, 1 @120	3035
			2560	8960	192	13.3	64	16 @ 160	3083
			2600	9100	195	13.3	65	11 @160, 7 @120	3132
			2640	9240	198	13.3	66	12 @160, 6 @120	3180
			2680	9380	201	13.3	67	13 @160, 5 @120	3228
			2720	9520	204	13.3	68	14 @160, 4 @120	3276
			2760	9660	207	13.3	69	15 @160, 3 @120	3324
			2800	9800	210	13.3	70	16 @160, 2 @120	3372
			2840	9940	213	13.3	71	17 @160, 1 @120	3421
			2880	10080	216	13.3	72	18 @ 160	3469

RATINGS

Electric Resistance Steam Boilers

Model HSB Ratings 600V Supply

MODEL #	Vessel Capacity (gallons)	Steam Space (gallons)	Rated kW	Steam lb./hr @ 212 °F	ELEMENTS		# of CONTACTORS	No. of Steps @ kW	3-PHASE AMPERES
					Qty	kW			
HSB-423	300	200	1734	6070	111	15.6	37	17 @94, 3 @47	1671
			1781	6234	114	15.6	38	18 @94, 2 @47	1716
			1828	6398	117	15.6	39	19 @94, 1 @47	1762
			1875	6563	120	15.6	40	20 @ 94	1807
			1922	6727	123	15.6	41	9 @141, 7 @94	1852
			1969	6891	126	15.6	42	10 @141, 6 @94	1897
			2016	7055	129	15.6	43	11 @141, 5 @94	1943
			2063	7219	132	15.6	44	12 @141, 4 @94	1988
			2109	7383	135	15.6	45	13 @141, 3 @94	2032
			2156	7547	138	15.6	46	14 @141, 2 @94	2078
			2203	7711	141	15.6	47	15 @141, 1 @94	2123
HSB-424	385	260	2250	7875	144	15.6	48	16 @ 141	2168
			2297	8039	147	15.6	49	13 @141, 5 @94	2213
			2344	8203	150	15.6	50	14 @141, 4 @94	2259
			2391	8367	153	15.6	51	15 @141, 3 @94	2304
			2438	8531	156	15.6	52	16 @141, 2 @94	2349
			2484	8695	159	15.6	53	17 @141, 1 @94	2394
			2531	8859	162	15.6	54	18 @ 141	2439
			2578	9023	165	15.6	55	15 @141, 5 @94	2484
			2625	9188	168	15.6	56	16 @141, 4 @94	2529
			2672	9352	171	15.6	57	17 @141, 3 @94	2575
			2719	9516	174	15.6	58	18 @141, 2 @94	2620
HSB-425	470	320	2766	9680	177	15.6	59	19 @141, 1 @94	2665
			2813	9844	180	15.6	60	20 @ 141	2710
			2859	10008	183	15.6	61	17 @141, 5 @94	2755
			2906	10172	186	15.6	62	18 @141, 4 @94	2800
			2953	10336	189	15.6	63	19 @141, 3 @94	2845
			3000	10500	192	15.6	64	20 @141, 2 @94	2891
			3047	10664	195	15.6	65	21 @141, 1 @94	2936
			3094	10828	198	15.6	66	22 @ 141	2981
			3141	10992	201	15.6	67	19 @141, 5 @94	3027
			3188	11156	204	15.6	68	20 @141, 4 @94	3072
			3234	11320	207	15.6	69	21 @141, 3 @94	3116
3281	11484	210	15.6	70	22 @141, 2 @94	3161			
3328	11648	213	15.6	71	23 @141, 1 @94	3207			
3375	11813	216	15.6	72	24 @ 141	3252			