



**BOILER SELECTION GUIDE  
 (UP TO 2,000 FT. ELEVATION)**

ICE PREVENTION - ULTRA HIGH EFFICIENCY							
MODEL NUMBER	Cascade System Combination*	BTU INPUT		CAPACITY (SQUARE FEET)			
		High Efficiency	Atmospheric Equivalent	@ 10° F	@ 0° F	@ -10° F	@ -20° F
HWA-79	N/A	80,000	97,600	890	750	650	570
HWA-129	N/A	136,300	166,200	1,510	1,280	1,110	980
HWA-179	N/A	180,000	219,500	2,000	1,690	1,460	1,290
HWA-199	N/A	199,000	242,700	2,210	1,870	1,620	1,430
HWA-299	N/A	299,000	364,600	3,310	2,800	2,430	2,140
HWA-399	N/A	399,999	487,800	4,430	3,750	3,250	2,870
HWA-599	N/A	630,000	768,300	6,980	5,910	5,120	4,520
<b>Multi-unit (cascaded) systems</b>							
HWA-798	(2) 399's	799,000	974,400	8,860	7,500	6,500	5,730
HWA-998	(1) 399 + (1) 599	1,029,900	1,256,000	11,420	9,660	8,370	7,390
HWA-1198	(2) 599's	1,260,000	1,536,600	13,970	11,820	10,240	9,040
HWA-1597	(1) 399 + (2) 599	1,659,000	2,023,200	18,390	15,560	13,490	11,900
HWA-1797	(3) 599's	1,890,000	2,304,900	20,950	17,730	15,370	13,560
HWA-2396	(4) 599's	2,520,000	3,073,200	27,940	23,640	20,490	18,080

Determine your design temperature and square footage and find correct boiler sizing at the left.

HOT WATER SUPPLY - ULTRA HIGH EFFICIENCY							
MODEL NUMBER	Cascade System Combination	BTU INPUT		CAPACITY (GALLONS PER HOUR)			
		High Efficiency	Atmospheric Equivalent	@ 80° F ΔT	@ 70° F ΔT	@ 60° F ΔT	@ 50° F ΔT
HWD-79	N/A	80,000	99,900	114	130	152	182
HWD-129	N/A	136,300	167,000	194	222	259	311
HWD-179	N/A	180,000	219,900	257	293	342	411
HWD-199	N/A	199,000	242,000	284	324	378	454
HWD-299	N/A	299,000	364,000	426	487	568	682
HWD-399	N/A	399,999	468,000	570	652	760	912
HWD-599	N/A	630,000	768,000	898	1,026	1,197	1,437
<b>Multi-unit (cascaded) systems</b>							
HWD-258	(2) 129's	272,000	334,000	388	443	517	620
HWD-328	(1) 129 + (1) 199	335,000	409,000	478	546	637	764
HWD-798	(2) 399's	799,000	936,000	1,139	1,302	1,519	1,822
HWD-998	(1) 399 + (1) 599	1,029,900	1,236,000	1,468	1,678	1,958	2,349
HWD-1198	(2) 599's	1,260,000	1,536,000	1,796	2,053	2,395	2,874
HWD-1597	(2) 599's + (1) 399	1,659,000	2,004,000	2,365	2,703	3,153	3,784
HWD-1797	(3) 599's	1,890,000	2,304,000	2,694	3,079	3,592	4,311
HWD-2396	(4) 599's	2,520,000	3,072,000	3,592	4,106	4,790	5,748

Determine your desired temperature rise and flow rate and find correct boiler sizing at the left.