



COPPER-FIN® WATER HEATER PRODUCT SUMMARY

(CW) 90,000 - 500,000 BTU/HR

	CW-090*	CW-135*	CW-180*	CW-199*	CW-201	CW-225	CW-270	CW-315	CW-360	CW-399	CW-500
WATER											
GALLON CAPACITY	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.2
HEATING SURFACE (SQ. FT.)	10.6	15.3	19.9	23.5	23.5	23.5	26.9	30.5	34.0	43.0	52.1
WATER CONNECTIONS	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
WATER FLOW RATE (GPM)	30	30	30	30	30	30	30	30	30	30	30
HEAD LOSS (FT. OF HD.)	5.5	5.7	5.9	6.1	6.1	6.1	6.3	6.5	6.7	6.9	7.0
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25	25	25	25	25
GPH @ 70°F RISE	125	187	249	276	278	312	374	436	499	553	693
GPH @ 100°F RISE	87	131	175	193	195	218	262	305	349	387	485
GPH @ 140°F RISE	62	94	125	138	139	156	187	218	249	276	346
# OF RELIEF VALVES	1	1	1	1	1	1	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE RATING (MBH)	500	500	500	500	500	500	500	500	500	1,912	1,912
RELIEF VALVE PRESSURE RATING (PSI)	150	150	150	150	150	150	150	150	150	150	150
RELIEF VALVE TEMPERATURE RATING (°F)	210	210	210	210	210	210	210	210	210	210	210
GAS											
INLET CONNECTION	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
MAX. INLET PRESSURE, NAT	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, NAT	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	5.0" w.c.	5.0" w.c.
MANIFOLD PRESSURE, NAT	3.5" w.c.	3.5" w.c.	3.5" w.c.	2.9" w.c.	2.9" w.c.	3.5" w.c.	3.5" w.c.	3.5" w.c.	3.5" w.c.	3.5" w.c.	3.5" w.c.
MAX. INLET PRESSURE, LP	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, LP	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.
MANIFOLD PRESSURE, LP	10" w.c.	10" w.c.	10" w.c.	7.5" w.c.	7.5" w.c.	10" w.c.	10" w.c.	10" w.c.	10" w.c.	10" w.c.	10" w.c.
BTU/HR INPUT	90,000	135,000	180,000	199,000	201,000	225,000	270,000	315,000	360,000	399,000	500,000
ELECTRICAL											
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24	24	24	24
TOTAL AMPS W/PUMP	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1	1	1	1
DIMENSIONS											
HEIGHT	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	34-1/2"
WIDTH (INCLUDES PUMP)	25-1/4"	29-1/4"	33-1/4"	36-1/4"	36-1/4"	36-1/4"	39-1/4"	42-1/4"	45-1/4"	54-1/4"	62-1/4"
DEPTH	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"	22"	22"
SERVICE CLEARANCES											
FRONT	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
BACK	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
RIGHT SIDE	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
TOP	14"	14"	14"	29"	29"	29"	29"	29"	29"	29"	29"
VENTING											
SIZE	5"	6"	7"	7"	7"	7"	8"	8"	9"	10"	10"
VENT CATEGORY	I	I	I	I	I	I	I	I	I	I	I
VENT MATERIAL	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT
MAXIMUM DRAFT	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.
MINIMUM DRAFT	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.

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