



COPPER-FIN® WATER HEATER PRODUCT SUMMARY

(CW) 495,000-2,065,000 BTU/HR

	CW-0497	CW-0647	CW-0747	CW-0987	CW-1257	CW-1437	CW-1797	CW-2067
WATER								
GALLON CAPACITY	1.7	1.9	2.0	3.4	3.7	4.1	4.5	4.8
HEATING SURFACE (SQ.FT.)	59.0	76.8	88.1	96.0	120.2	144.0	176.0	200.0
WATER CONNECTIONS	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
DRAIN	3/4"	3/4"	3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"
MAX. WATER FLOW RATE (GPM)	60	60	60	90	90	90	90	90
HEAD LOSS (FT. OF HD.)	6.6	6.8	6.9	5.8	6.6	7.2	8.4	9.2
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25	25
GPH @ 70°F RISE	694	904	1,044	1,381	1,760	2,013	2,517	2,896
GPH @ 100°F RISE	486	633	731	967	1,232	1,409	1,762	2,027
GPH @ 140°F RISE	347	452	522	691	880	1,006	1,259	1,448
# OF RELIEF VALVES	1	1	1	1	1	1	1	2
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE SIZE (MBH)	1,912	1,912	1,912	1,912	1,912	1,912	1,912	1,912
RELIEF VALVE PRESSURE RATING (PSI)	150	150	150	150	150	150	150	150
TEMPERATURE RATING (°F)	210	210	210	210	210	210	210	210
GAS								
INLET CONNECTION	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"
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.
MIN. INLET PRESSURE, NAT	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.	4.5" w.c.
MANIFOLD PRESSURE, NAT	1.8" w.c.	1.8" w.c.	3.2" w.c.	1.2" w.c.	1.2" w.c.	1.2" w.c.	1.2" w.c.	1.2" 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.
MIN. INLET PRESSURE, LP	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
MANIFOLD PRESSURE, LP	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.
BTU/HR INPUT	495,000	645,000	745,000	985,000	1,255,000	1,435,000	1,795,000	2,065,000
ELECTRICAL								
VOLTAGE / HEATER	120	120	120	120	120	120	120	120
VOLTAGE / PUMP	120	120	120	120	120	120	120	120
VOLTAGE / CONTROL	24	24	24	24	24	24	24	24
TOTAL AMPS W/ PUMP	13.8	13.8	13.8	15.4	15.4	15.8	15.8	15.8
# OF ELECTRICAL CONNECTIONS	2	2	2	2	2	2	2	2
DIMENSIONS								
HEIGHT	33-1/4"	33-1/4"	33-1/4"	36"	36"	36"	36"	36"
WIDTH (INCLUDING PUMP)	64"	75-1/4"	82-1/2"	68-3/4"	79"	89-1/4"	102-3/4"	113"
DEPTH	22-1/4"	22-1/4"	22-1/4"	33-1/2"	33-1/2"	33-1/2"	33-1/2"	33-1/2"
SERVICE CLEARANCES (RECOMMENDED)								
FRONT	24"	24"	24"	24"	24"	24"	24"	24"
BACK	3"	3"	3"	3"	3"	3"	3"	3"
RIGHT SIDE	3"	3"	3"	3"	3"	3"	3"	3"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"
TOP	3"	3"	3"	3"	3"	3"	3"	3"
VENTING								
SIZE	6"	8"	8"	10"	12"	12"	14"	14"
VENT CATEGORY	CAT I	CAT I	CAT I	CAT I	CAT I	CAT I	CAT I	CAT I
VENT MATERIAL	"B" VENT	"B" VENT	"B" VENT	"B" VENT	"B" VENT	"B" VENT	"B" VENT	"B" VENT
MAXIMUM DRAFT	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" 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.

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