



COPPER-FIN[®] WATER HEATER PRODUCT SUMMARY

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

	CW-0495	CW-0645	CW-0745	CW-0986	CW-1256	CW-1436	CW-1796	CW-2066
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"	3/4"	3/4"	3/4"	3/4"	3/4"
WATER FLOW RATE (GPM)	55	55	55	90	90	90	90	90
HEAD LOSS (FT. OF HD.)	6.5	6.7	6.8	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 RATING (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
RELIEF VALVE 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	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" 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.	1.8" 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	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" 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	33-14"	33-14"	33-14"	36"	36"	36"	36"	36"
WIDTH (INCLUDES 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								
FRONT	24"	24"	24"	30"	30"	30"	30"	30"
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	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
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	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.

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