



COPPER-FIN® WATER HEATER (CW) PRODUCT SUMMARY

90,000 – 500,000 Btu/hr

COPPER-FIN® GAS WATER HEATER (CW MODELS)

	CW-090	CW-135	CW-180	CW-199	CW-225	CW-270	CW-315	CW-360	CW-399	CW-500
WATER										
GALLON CAPACITY	0.80	0.84	0.89	0.92	0.92	0.95	0.98	1.01	1.11	1.19
WATER CONNECTIONS	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"
WATER FLOW RATE (GPM)	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	6.3	6.5	6.7	6.9	7.0
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25	25	25	25
GPH @ 70°F RISE	127	191	256	283	320	383	447	511	567	710
GPH @ 100°F RISE	89	134	179	198	224	268	313	358	397	497
GPH @ 140°F RISE	64	96	128	141	160	191	224	256	284	355
RELIEF VALVE SIZE (MBH)	500	500	500	500	500	500	500	500	1912	1912
# OF RELIEF VALVES	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"
TEMPERATURE RATING	210	210	210	210	210	210	210	210	210	210
PRESSURE RATING (PSI)	150	150	150	150	150	150	150	150	150	150
HEATING SURFACE (SQ. FT.)	10.6	15.3	19.9	23.5	23.5	26.9	30.5	34.0	43.0	52.1
GAS										
INLET CONNECTION	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
MAX. INLET PRESSURE, NAT (WC)	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
MIN. INLET PRESSURE, NAT (WC)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5
MANIFOLD PRESSURE, NAT (WC)	3.5	3.5	3.5	2.9	3.5	3.5	3.5	3.5	3.5	3.5
MAX. INLET PRESSURE, LP (WC)	13	13	13	13	13	13	13	13	13	13
MIN. INLET PRESSURE, LP (WC)	11	11	11	11	11	11	11	11	11	11
MANIFOLD PRESSURE, LP (WC)	10	10	10	7.5	10	10	10	10	10	10
Btu/hr INPUT	90,000	135,000	180,000	199,999	225,000	270,000	315,000	360,000	399,999	500,000
ELECTRICAL										
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120	120	120	120	120	120
CONTROL VOLTAGE	24	24	24	24	24	24	24	24	24	24
TOTAL AMPS W/PUMP	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1	1	1
DIMENSIONS (INCHES)										
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"	34-1/2"
WIDTH (INCLUDES PUMP)	22-3/4"	26-3/4"	30-3/4"	33-3/4"	33-3/4"	36-3/4"	39-3/4"	42-3/4"	51-3/4"	59-3/4"
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"	22"	22"
SERVICE CLEARANCES (INCHES)										
FRONT	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
BACK	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
RIGHT SIDE	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
TOP	14"	14"	14"	29"	29"	29"	29"	29"	29"	29"
VENTING										
SIZE (INCHES)	5"	6"	7"	7"	7"	8"	8"	9"	10"	10"
CATEGORY	I	I	I	I	I	I	I	I	I	I
MAXIMUM DRAFT (WC)	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
MINIMUM DRAFT (WC)	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
VENT MATERIAL	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT



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