



COPPER-FIN II[®] WATER HEATER PRODUCT SUMMARY

(CF) 400,000 - 2,070,000 BTU/HR

	CF-0401	CF-0501	CF-0651	CF-0751	CF-0991	CF-1261	CF-1441	CF-1801	CF-2071
WATER									
GALLON CAPACITY	1.5	1.7	1.9	2.0	3.4	3.7	4.1	4.5	4.8
HEATING SURFACE (SQ. FT.)	46.9	59.0	76.8	88.1	96.0	120.2	144.0	176.0	200.0
WATER CONNECTIONS	2"	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"	3/4"
WATER FLOW RATE (GPM)	55	55	55	55	90	90	90	90	90
HEAD LOSS (FT. OF HD.)	6.4	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	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25	25	25
GPH @ 70°F RISE	589	736	957	1,104	1,457	1,855	2,120	2,650	3,047
GPH @ 100°F RISE	412	515	670	773	1,020	1,298	1,484	1,855	2,133
GPH @ 140°F RISE	294	368	479	552	729	927	1,060	1,325	1,524
# OF RELIEF VALVES	1	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"	3/4"
RELIEF VALVE RATING (MBH)	500	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	150
RELIEF VALVE TEMPERATURE RATING (°F)	210	210	210	210	210	210	210	210	210
GAS									
INLET CONNECTION	1-1/4"	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.	10.5" w.c.
MIN. INLET PRESSURE, NAT	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MANIFOLD PRESSURE, NAT	1.8" w.c.	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.	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.	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.	4.6" w.c.
BTU/HR INPUT	399,999	500,000	650,000	750,000	990,000	1,260,000	1,440,000	1,800,000	2,070,000
ELECTRICAL									
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24	24
TOTAL AMPS W/PUMP	11.3	11.3	13.8	13.8	16.3	16.3	19.8	19.8	19.8
# OF ELECTRICAL CONNECTIONS	2	2	2	2	2	2	2	2	2
DIMENSIONS									
HEIGHT	31-1/2"	31-1/2"	31-1/2"	31-1/2"	36"	36"	36"	36"	36"
WIDTH (INCLUDES PUMP)	56-1/4"	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"	22-1/4"	33-1/2"	33-1/2"	33-1/2"	33-1/2"	33-1/2"
SERVICE CLEARANCES									
FRONT	24"	24"	24"	24"	30"	30"	30"	30"	30"
BACK	1"	1"	1"	1"	3"	3"	3"	3"	3"
RIGHT SIDE	1"	1"	1"	1"	3"	3"	3"	3"	3"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"	24"
TOP	1"	1"	1"	1"	3"	3"	3"	3"	3"
VENTING									
SIZE	6"	6"	8"	8"	10"	12"	12"	14"	14"
VENT CATEGORY	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
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.	-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.	-0.02" w.c.

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