



# COPPER-FIN II<sup>®</sup> BOILER PRODUCT SUMMARY

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

	CH-0402	CH-0502	CH-0652	CH-0752	CH-0992	CH-1262	CH-1442	CH-1802	CH-2072
<b>WATER</b>									
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"
MAX. 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
MIN. WATER FLOW RATE (GPM) *	17	21	28	32	29	37	41	51	58
HEAD LOSS (FT. OF HD.) *	0.6	0.7	1.6	2.3	1.1	1.3	2.0	2.6	4.8
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1	1	2	2	2
RELIEF VALVE SIZE	1"	1"	1"	1"	1"	1"	1"	1"	1"
RELIEF VALVE RATING (MBH)	1,352	1,352	1,352	1,352	1,352	1,352	1,352	1,352	1,352
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50	50	50	50	50	50	50
<b>GAS</b>									
INLET CONNECTION	1-1/4"	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.	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.
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	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	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.
MAX 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
MIN BTU/HR INPUT	250,000	250,000	250,000	250,000	360,000	360,000	360,000	360,000	630,000
BTU/HR OUTPUT	339,999	425,000	552,500	637,500	841,500	1,071,000	1,224,000	1,530,000	1,759,500
<b>ELECTRICAL</b>									
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24	24
TOTAL AMPS	6.3	6.3	8.8	8.8	10.5	10.5	14.0	14.0	14.0
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1	1
<b>DIMENSIONS</b>									
HEIGHT	31-1/2"	31-1/2"	31-1/2"	31-1/2"	36"	36"	36"	36"	36"
WIDTH	37-3/4"	45-1/2"	56-3/4"	64"	48-1/4"	58-1/2"	68-1/4"	82-1/4"	92-1/2"
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"
<b>SERVICE CLEARANCES</b>									
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"
<b>VENTING</b>									
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.

\* Minimum flow rate and head loss are based on a 40°F temperature rise for CH401-751 models and based on a 60°F temperature rise for CH0991-2071 models

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