



**COPPER-FIN II[®] BOILER (CH)
PRODUCT SUMMARY**

400,000 - 2,070,000 Btu/hr

COPPER-FIN II® GAS BOILER (CH MODELS)

	CH-401	CH-501	CH-651	CH-751	CH-0991	CH-1261	CH-1441	CH-1801	CH-2071
WATER									
GALLON CAPACITY	1.49	1.65	1.88	2.03	3.40	3.73	4.05	4.48	4.80
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.)	7.0	7.0	7.0	7.0	9.0	9.0	9.0	9.0	9.0
MIN. WATER FLOW (GPM)	17	21	28	32	33	42	48	61	70
HEAD LOSS (FT. OF HD.)	0.6	0.7	1.6	2.3	1	1.7	2.3	4.4	6.2
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160
RELIEF VALVE SIZE (MBH)	1352	1352	1352	1352	1352	1352	1352	1352	1352
# OF RELIEF VALVES	1	1	1	1	1	1	2	2	2
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
PRESSURE RATING (PSI)	50	50	50	50	50	50	50	50	50
HEATING SURFACE (SQ. FT.)	46.9	59.0	76.8	88.1	96.0	120.2	144.0	176.0	200.0
GAS									
INLET CONNECTION	1-1/4"	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"
MAX. INLET PRESSURE, NAT (WC)	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
MANIFOLD PRESSURE, NAT (WC)	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2
MAX. INLET PRESSURE, LP (WC)	13	13	13	13	13	13	13	13	13
MIN. INLET PRESSURE, LP (WC)	8	8	8	8	8	8	8	8	8
MANIFOLD PRESSURE, LP (WC)	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
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
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
ELECTRICAL									
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120
CONTROL VOLTAGE	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
DIMENSIONS (INCHES)									
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"	68-3/4"	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"
SERVICE CLEARANCES (INCHES)									
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 (INCHES)	6"	6"	8"	8"	10"	12"	12"	14"	14"
CATEGORY	I	I	I	I	I	I	I	I	I
MAXIMUM DRAFT (WC)	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
MINIMUM DRAFT (WC)	-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*

* Direct vent option requires sealed AL29-4C vent material



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