



**COPPER-FIN® BOILER (CB)
PRODUCT SUMMARY**

495,000 – 3,080,000 BTU/HR

COPPER-FIN® GAS BOILER (CB MODELS)

	CB-0495	CB-0645	CB-0745	CB-0985	CB-1255	CB-1435	CB-1795	CB-2065	CB-2620	CB-3080
BOILER										
GALLON CAPACITY	1.70	1.88	2.03	3.40	3.73	4.05	4.48	4.80	4.64	5.13
WATER CONNECTIONS	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	3"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
MAX. WATER FLOW (GPM)	75	75	75	90	90	90	90	90	135	135
HEAD LOSS (FT. OF HD.)	8.75	8.75	8.75	9	9	9	9	9	11	11
MIN. WATER FLOW (GPM)	20.5	21	25	32	41	47	59	68	90	90
HEAD LOSS (FT. OF HD.)	0.7	1.6	2.3	1.5	2.7	3.7	6.5	8.8	6.6	6.6
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160	160
MIN. WORKING PRESSURE (PSI)	12	12	12	12	12	12	12	12	12	12
RELIEF VALVE SIZE (MBH)	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391
# OF RELIEF VALVES	1	1	1	1	1	2	2	2	2	3
RELIEF VALVE SIZE (INLET)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE SIZE (OUTLET)	3/4"	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	50
HEATING SURFACE (SQ. FT.)	59	76.8	88.1	96	120.2	144	176	200	253.4	295.1
GAS										
INLET CONNECTION	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"	2"	2-1/4"
MAX. INLET PRESSURE, NAT (WC)	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2	10-1/2
MIN. INLET PRESSURE, NAT (WC)	5	5	5-1/2	5	5	5	5	5	6	6
MANIFOLD PRESSURE, NAT (WC)	4	4	4	3-1/2	3-1/2	3-1/2	3-1/2	3-1/2	4	4
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	10	10	10	10	10	10	10
BTU/HR INPUT	495,000	645,000	745,000	985,000	1,255,000	1,435,000	1,795,000	2,065,000	2,618,000	3,080,000
BTU/HR OUTPUT	400,950	522,450	603,450	797,850	1,016,550	1,162,350	1,453,950	1,672,650	2,094,400	2,464,000
ELECTRICAL										
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120	120
CONTROL VOLTAGE	24	24	24	24	26	24	24	24	24	24
TOTAL AMPS	7.2	7.2	7.2	10.8	10.8	10.8	14.4	14.4	3.4	3.4
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1	1	1
DIMENSIONS (INCHES)										
HEIGHT	33-1/4"	33-1/4"	33-1/4"	36"	36"	36"	36"	36"	67-3/4"	67-3/4"
WIDTH	45-1/4"	56-3/4"	64"	48-1/4"	58-1/2"	68-3/4"	82-1/4"	92-1/2"	102-1/4"	118"
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"	57"	57"
SERVICE CLEARANCES (INCHES)										
FRONT	24"	24"	24"	30"	30"	30"	30"	30"	24"	24"
BACK	3"	3"	3"	3"	3"	3"	3"	3"	24"	24"
RIGHT SIDE	3"	3"	3"	3"	3"	3"	3"	3"	24"	24"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
TOP	3"	3"	3"	3"	3"	3"	3"	3"	24"	24"
VENTING										
SIZE (INCHES)	6"	8"	8"	10"	12"	12"	14"	14"	2 - 18"	2 - 18"
CATEGORY	I	I	I	I	I	I	I	I	I	I
MAXIMUM DRAFT	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.05	-0.05
MINIMUM DRAFT	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-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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