



COPPER-FIN[®] BOILER PRODUCT SUMMARY

(CB) 495,000 - 2,065,000 BTU/HR

	CB-0495	CB-0645	CB-0745	CB-0986	CB-1256	CB-1436	CB-1796	CB-2066
WATER								
GALLON CAPACITY	1.7	1.9	2.0	3.4	3.7	4.1	4.5	4.8
HEATING SURFACE (SQ. FT.)	59.0	76.8	88.1	96.0	120.2	144.0	176.0	200.0
WATER CONNECTIONS	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"
MAX. WATER FLOW RATE (GPM)	55	55	55	90	90	90	90	90
HEAD LOSS (FT. OF HD.)	6.5	6.7	6.8	5.8	6.6	7.2	8.4	9.2
MIN. WATER FLOW RATE (GPM) *	21	21	25	27	34	39	49	56
HEAD LOSS (FT. OF HD.) *	0.7	1.6	2.3	0.8	1.1	1.7	2.4	4.5
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1	2	2	2
RELIEF VALVE SIZE	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
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50	50	50	50	50	50
GAS								
INLET CONNECTION	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.
MIN. INLET PRESSURE, NAT	4.0" w.c.	4.0" w.c.	4.0" 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.	1.2" 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.
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.
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.
BTU/HR INPUT	495,000	645,000	745,000	985,000	1,255,000	1,435,000	1,795,000	2,065,000
BTU/HR OUTPUT	400,950	522,450	603,450	797,850	1,016,550	1,162,350	1,453,950	1,672,650
ELECTRICAL								
VOLTAGE/HEATER	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24
TOTAL AMPS	8.0	8.0	8.0	8.0	8.0	8.4	8.4	8.4
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1
DIMENSIONS								
HEIGHT	33-14"	33-14"	33-14"	36"	36"	36"	36"	36"
WIDTH (INCLUDES PUMP)	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"	33-1/2"	33-1/2"	33-1/2"	33-1/2"	33-1/2"
SERVICE CLEARANCES								
FRONT	24"	24"	24"	30"	30"	30"	30"	30"
BACK	3"	3"	3"	3"	3"	3"	3"	3"
RIGHT SIDE	3"	3"	3"	3"	3"	3"	3"	3"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"
TOP	3"	3"	3"	3"	3"	3"	3"	3"
VENTING								
SIZE	6"	8"	8"	10"	12"	12"	14"	14"
VENT CATEGORY	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
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.
MINIMUM DRAFT	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.	-0.01" w.c.

* Minimum flow rate and head loss are based on a 40°F temperature rise for CB0495-0745 models and based on a 60°F temperature rise for CB0986-2066 models

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