



Lochinvar[®]
High Efficiency Water Heaters, Boilers and Pool Heaters

COPPER-FIN[®] BOILER PRODUCT SUMMARY
(CB) 495,000-2,065,000 BTU/HR

	CB-0497	CB-0647	CB-0747	CB-0987	CB-1257	CB-1437	CB-1797	CB-2067
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"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"
MAX. WATER FLOW RATE (GPM)	60	60	60	90	90	90	90	90
HEAD LOSS (FT. OF HD.)	6.6	6.8	6.9	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 SIZE (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	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	4.0" 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.	3.2" 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.
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 W/ PUMP	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	33-1/4"	33-1/4"	33-1/4"	36"	36"	36"	36"	36"
WIDTH	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 (RECOMMENDED)								
FRONT	24"	24"	24"	24"	24"	24"	24"	24"
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	CAT I	CAT I	CAT I	CAT I	CAT I	CAT I	CAT I	CAT 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	-0.02" 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 40°F temperature rise for CB0497-0747 models and are based on 60°F temperature rise on CB0987-2067 models.

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