



COPPER-FIN[®] BOILER PRODUCT SUMMARY

(CB) 315,000 - 500,000 BTU/HR

	CB-315	CB-360	CB-399	CB-500
WATER				
GALLON CAPACITY	1.0	1.0	1.1	1.2
HEATING SURFACE (SQ. FT.)	30.5	34.0	43.0	52.1
WATER CONNECTIONS	2"	2"	2"	2"
DRAIN	3/4"	3/4"	3/4"	3/4"
MAX. WATER FLOW RATE (GPM)	30	30	30	30
HEAD LOSS (FT. OF HD.)	6.5	6.7	6.9	7.0
MIN. WATER FLOW RATE (GPM) *	13	15	17	21
HEAD LOSS (FT. OF HD.) *	1.3	1.5	2.0	3.5
MAX. WORKING PRESSURE (PSI)	160	160	160	160
# OF RELIEF VALVES	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	1"	1"
RELIEF VALVE RATING (MBH)	510	510	1,352	1,352
RELIEF VALVE PRESSURE RATING (PSI)	30	30	50	50
GAS				
INLET CONNECTION	3/4"	1"	1"	1"
MAX. INLET PRESSURE, NAT	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, NAT	4.5" w.c.	4.5" w.c.	5.0" w.c.	5.0" w.c.
MANIFOLD PRESSURE, NAT	3.5" w.c.	3.5" w.c.	3.5" w.c.	3.5" w.c.
MAX. INLET PRESSURE, LP	14" w.c.	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, LP	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.
MANIFOLD PRESSURE, LP	10.0" w.c.	10.0" w.c.	10.0" w.c.	10.0" w.c.
BTU/HR INPUT	315,000	360,000	399,999	500,000
BTU/HR OUTPUT	258,300	295,200	327,999	410,000
ELECTRICAL				
VOLTAGE/HEATER	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24
TOTAL AMPS	2.0	2.0	2.0	2.0
# OF ELECTRICAL CONNECTIONS	1	1	1	1
DIMENSIONS				
HEIGHT	29-1/2"	29-1/2"	29-1/2"	34-1/2"
WIDTH	32-1/2"	35-1/2"	44-1/2"	52-1/2"
DEPTH	21-1/2"	21-1/2"	22"	22"
SERVICE CLEARANCES				
FRONT	24"	24"	24"	24"
BACK	6"	6"	6"	6"
RIGHT SIDE	6"	6"	6"	6"
LEFT SIDE (PIPING)	24"	24"	24"	24"
TOP	29"	29"	29"	29"
VENTING				
SIZE	8"	9"	10"	10"
VENT CATEGORY	I	I	I	I
VENT MATERIAL	B-VENT	B-VENT	B-VENT	B-VENT
MAXIMUM DRAFT	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.	-0.05" w.c.
MINIMUM DRAFT	-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 all models.

Lochinvar, LLC • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900 / Fax: 615-547-1000
www.Lochinvar.com

CBA-PS-05 (Replaces CBA-PS-04 01/09)

08/13-Printed in U.S.A.