



**SOLUTION™ BOILER (CB)
PRODUCT SUMMARY**

45,000-260,000 Btu/hr

SOLUTION™ GAS BOILER (CB MODELS)

	CB-045	CB-075	CB-090	CB-135	CB-180	CB-215	CB-260
WATER							
GALLON CAPACITY	0.80	0.80	0.80	0.84	0.89	0.92	0.95
WATER CONNECTIONS	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
MAX. WATER FLOW (GPM)	30	30	30	30	30	30	30
HEAD LOSS (FT. OF HD.)	5.1	5.3	5.5	5.7	5.9	6.1	6.3
MIN. WATER FLOW (GPM)	1.9	3.1	3.7	5.6	7.4	8.9	10.7
HEAD LOSS (FT. OF HD.)	0.2	0.2	0.2	0.3	0.4	0.4	0.5
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160
RELIEF VALVE SIZE (MBH)	510	510	510	510	510	510	510
# OF RELIEF VALVES	1	1	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
PRESSURE RATING (PSI)	30	30	30	30	30	30	30
HEATING SURFACE (SQ. FT.)	5.8	10.6	10.6	15.3	19.9	23.5	26.9
GAS							
INLET CONNECTION	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
MAX. INLET PRESSURE, NAT (WC)	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
MANIFOLD PRESSURE, NAT (WC)	3.5	2.4	3.5	3.5	3.5	3.5	3.5
MAX. INLET PRESSURE, LP (WC)	13	13	13	13	13	13	13
MIN. INLET PRESSURE, LP (WC)	11	11	11	11	11	11	11
MANIFOLD PRESSURE, LP (WC)	10	7	10	10	10	10	10
Btu/hr INPUT	45,000	75,000	90,000	135,000	180,000	215,000	260,000
Btu/hr OUTPUT	36,900	61,500	73,800	110,700	147,600	176,300	213,200
ELECTRICAL							
VOLTAGE/HEATER	120	120	120	120	120	120	120
CONTROL VOLTAGE	24	24	24	24	24	24	24
TOTAL AMPS	2	2	2	2	2	2	2
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1
DIMENSIONS (INCHES)							
HEIGHT	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"
WIDTH	11-1/2"	15-1/2"	15-1/2"	19-1/2"	23-1/2"	26-1/2"	29-1/2"
DEPTH	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"	21-1/2"
SERVICE CLEARANCES (INCHES)							
FRONT	24"	24"	24"	24"	24"	24"	24"
BACK	6"	6"	6"	6"	6"	6"	6"
RIGHT SIDE	6"	6"	6"	6"	6"	6"	6"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"
TOP	14"	14"	14"	14"	14"	29"	29"
VENTING							
SIZE (INCHES)	4"	5"	5"	6"	7"	7"	8"
CATEGORY	I	I	I	I	I	I	I
MAXIMUM DRAFT (WC)	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
MINIMUM DRAFT (WC)	-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



Lochinvar Corporation • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900 / Fax 615-547-1000

www.Lochinvar.com