



SOLUTION[®] BOILER PRODUCT SUMMARY

(CB) 45,000 - 260,000 BTU/HR

	CB-045	CB-075	CB-090	CB-135	CB-180	CB-215	CB-260
WATER							
GALLON CAPACITY	0.8	0.8	0.8	0.8	0.9	0.9	1.0
HEATING SURFACE (SQ. FT.)	5.8	10.6	10.6	15.3	19.9	23.5	26.9
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 RATE (GPM)	30	30	30	30	30	30	30
HEAD LOSS (FT. OF HD.)	5.1	5.3	5.3	5.7	5.9	6.1	6.3
MIN. WATER FLOW RATE (GPM) *	2	3	4	6	7	9	11
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
# 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"
RELIEF VALVE RATING (MBH)	510	510	510	510	510	510	510
RELIEF VALVE PRESSURE RATING (PSI)	30	30	30	30	30	30	30
GAS							
INLET CONNECTION	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
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.
MIN. INLET PRESSURE, NAT	4.5" w.c.	4.5" 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	3.5" w.c.	2.4" w.c.	3.5" w.c.	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.	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.	11.0" w.c.	11.0" w.c.	11.0" w.c.
MANIFOLD PRESSURE, LP	10.0" w.c.	7.0" w.c.	10.0" w.c.	10.0" w.c.	10.0" w.c.	10.0" w.c.	10.0" w.c.
BTU/HR INPUT	45,000	75,000	90,000	135,000	180,000	215,000	260,000
BTU/HR OUTPUT (HIGH FIRE)	36,900	61,500	73,800	110,700	147,600	176,300	213,200
BTU/HR OUTPUT (LOW FIRE)	18,450	30,750	36,900	55,350	73,800	88,150	106,600
ELECTRICAL							
VOLTAGE/HEATER	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24
TOTAL AMPS	2.0	2.0	2.0	2.0	2.0	2.0	2.0
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1
DIMENSIONS							
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							
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	4"	5"	5"	6"	7"	7"	8"
VENT CATEGORY	I	I	I	I	I	I	I
VENT MATERIAL	B-VENT	B-VENT	B-VENT	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.	-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.	-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.

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