



**MINI-FIN[®] BOILER (RB)
PRODUCT SUMMARY**

45,000-500,000 BTU/HR

MINI-FIN® GAS BOILER (RB MODELS)

	RB-045	RB-075	RB-090	RB-135	RB-180	RB-225	RB-270	RB-315	RB-360	RB-399	RB-500
BOILER											
GALLON CAPACITY	0.80	0.80	0.80	0.84	0.89	0.92	0.95	0.98	1.01	1.11	1.19
WATER CONNECTIONS	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	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"	3/4"	3/4"	3/4"	3/4"
MAX. WATER FLOW (GPM)	30	30	30	30	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	6.5	6.7	6.9	7
MIN. WATER FLOW (GPM)	1.9	3.1	3.7	5.6	7.4	9.3	11.1	13	14.9	16.5	20.7
HEAD LOSS (FT. OF HD.)	0.2	0.2	0.2	0.3	0.4	0.4	0.5	1.3	1.5	2	3.5
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160	160	160
MIN. WORKING PRESSURE (PSI)	12	12	12	12	12	12	12	12	12	12	12
RELIEF VALVE SIZE (MBH)	510	510	510	510	510	510	510	510	510	1391	1391
# OF RELIEF VALVES	1	1	1	1	1	1	1	1	1	1	1
RELIEF VALVE SIZE (INLET)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE SIZE (OUTLET)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
PRESSURE RATING (PSI)	30	30	30	30	30	30	30	30	30	50	50
HEATING SURFACE (SQ. FT.)	5.8	10.6	10.6	15.3	19.9	23.5	26.9	30.5	34	43	52.1
GAS											
INLET CONNECTION	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"
MAX. INLET PRESSURE, NAT (WC)	10-1/2"	10-1/2"	10-1/2"	10-1/2"	10-1/2"	10-1/2"	10-1/2"	10-1/2"	10-1/2"	10-1/2"	10-1/2"
MIN. INLET PRESSURE, NAT (WC)	5	5	5	5	5	5	5	5	5	5	5
MANIFOLD PRESSURE, NAT (WC)	3-1/2"	2.3	3-1/2"	3-1/2"	3-1/2"	3-1/2"	3-1/2"	3-1/2"	3-1/2"	3-1/2"	3-1/2"
MAX. INLET PRESSURE, LP (WC)	13	13	13	13	13	13	13	13	13	13	13
MIN. INLET PRESSURE, LP (WC)	11	11	11	11	11	11	11	11	11	11	11
MANIFOLD PRESSURE, LP (WC)	10	6.9	10	10	10	10	10	10	10	10	10
BTU/HR INPUT	45,000	75,000	90,000	135,000	180,000	225,000	270,000	315,000	360,000	399,999	500,000
BTU/HR OUTPUT	36,900	61,500	73,800	110,700	147,600	184,500	221,400	258,300	295,200	327,180	410,000
ELECTRICAL											
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120	120	120
CONTROL VOLTAGE	24	24	24	24	24	24	24	24	24	24	24
TOTAL AMPS	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1	1	1	1
DIMENSIONS (INCHES)											
HEIGHT	27"	27"	27"	27"	27"	27"	27"	27"	27"	28"	28"
WIDTH	14-1/2"	18-1/2"	18-1/2"	22-1/2"	26-1/2"	29-1/2"	32-1/2"	35-1/2"	38-1/2"	47-3/4"	53-1/2"
DEPTH	24"	24"	24"	24"	24"	25"	25"	25"	25"	26"	26"
SERVICE CLEARANCES (INCHES)											
FRONT	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
BACK	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
RIGHT SIDE	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
TOP	14"	14"	14"	14"	14"	29"	29"	29"	29"	29"	29"
VENTING											
SIZE (INCHES)	3"	5"	5"	5"	6"	7"	7"	8"	8"	10"	10"
CATEGORY	I	I	I	I	I	I	I	I	I	I	I
MAXIMUM DRAFT	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
MINIMUM DRAFT	-0.02	-0.02	-0.02	-0.02	-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	B-VENT	B-VENT	B-VENT	B-VENT



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