



POWER-FIN[®] BOILER PRODUCT SUMMARY

(PB) 500,000 - 2,000,000 BTU/HR (5:1 Turndown)

	PB-0502 (M9)	PB-0752 (M9)	PB-1002 (M9)	PB-1302 (M9)	PB-1501 (M9)	PB-1701 (M9)	PB-2001 (M9)
WATER							
GALLON CAPACITY	3.5	4.0	4.5	5.0	5.5	5.8	6.0
HEATING SURFACE (SQ. FT.)	58.7	88.2	116.0	149.2	156.8	177.8	209.4
WATER CONNECTIONS	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
DRAIN	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"
MAX. WATER FLOW RATE (GPM)	75	75	75	75	90	90	90
HEAD LOSS (FT. OF HD.)	7.2	7.5	7.8	9.5	10.5	11.8	12.4
MIN. WATER FLOW RATE (GPM) *	23	32	43	56	44	50	59
HEAD LOSS (FT. OF HD.) *	0.6	1.3	2.4	4.6	2.7	3.9	5.2
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1	1	2
RELIEF VALVE SIZE	1"	1"	1"	1"	1-1/4"	1-1/4"	1"
RELIEF VALVE RATING (MBH)	1,352	1,352	1,352	1,352	1,934	1,934	1,352
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50	50	50	50	50
GAS							
INLET CONNECTION	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"
MAX. INLET PRESSURE, NAT	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, NAT	3.2" w.c.	3.2" w.c.	3.2" w.c.	3.2" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MANIFOLD PRESSURE, NAT	-8.3" w.c.	-4.6" w.c.	-7.1" w.c.	-6.8" w.c.	-4.1" w.c.	-5.1" w.c.	-4.0" w.c.
MAX. INLET PRESSURE, LP	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, LP	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
MANIFOLD PRESSURE, LP	-9.7" w.c.	-5.5" w.c.	-9.3" w.c.	-9.5" w.c.	-2.3" w.c.	-2.6" w.c.	-2.4" w.c.
BTU/HR INPUT	500,000	750,000	1,000,000	1,300,000	1,500,000	1,700,000	2,000,000
BTU/HR OUTPUT (HIGH FIRE)	425,000	637,000	850,000	1,105,000	1,275,000	1,445,000	1,700,000
BTU/HR OUTPUT (LOW FIRE)	85,000	127,400	170,000	221,000	261,000	295,800	348,000
ELECTRICAL							
VOLTAGE/HEATER	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24
TOTAL AMPS	6.7	6.7	6.7	6.7	6.5	6.5	6.5
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1
DIMENSIONS							
HEIGHT	44-1/2"	52-1/4"	59-1/4"	67-3/4"	65-1/2"	70"	76-3/4"
WIDTH	23-1/4"	23-1/4"	23-1/4"	23-1/4"	27-1/4"	27-1/4"	27-1/4"
DEPTH	28-1/2"	28-1/2"	28-1/2"	28-1/2"	29-3/4"	29-3/4"	29-3/4"
SERVICE CLEARANCES							
FRONT	24"	24"	24"	24"	24"	24"	24"
BACK (PIPING)	24"	24"	24"	24"	24"	24"	24"
RIGHT SIDE	0"	0"	0"	0"	0"	0"	0"
LEFT SIDE	0"	0"	0"	0"	0"	0"	0"
TOP	24"	24"	24"	24"	24"	24"	24"
VENTING							
SIZE	7" / 4"	9" / 5"	10" / 6"	12" / 8"	8" / 6"	9" / 7"	10" / 8"
VENT CATEGORY	II / IV	II / IV	II / IV	II / IV	II / IV	II / IV	II / IV
VENT MATERIAL	AL29-4C	AL29-4C	AL29-4C	AL29-4C	AL29-4C	AL29-4C	AL29-4C

* Minimum flow rate and head loss are based on a 40°F temperature rise for PB0502-1302 models and based on a 60°F temperature rise for PB1501-2001 models.

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