



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	1
RELIEF VALVE SIZE	1"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"
RELIEF VALVE RATING (MBH)	1,352	1,352	1,352	1,352	1,954	1,954	1,954
RELIEF VALVE PRESSURE RATING	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	14" w.c.	14" w.c.	14" w.c.	14" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, NAT	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" 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	999,000	1,300,000	1,500,000	1,700,000	2,000,000
BTU/HR OUTPUT (HIGH FIRE)	425,000	638,000	849,000	1,105,000	1,275,000	1,445,000	1,700,000
BTU/HR OUTPUT (LOW FIRE)	85,000	127,600	169,800	221,000	255,000	289,000	340,000
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	8.3	8.3	8.3
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	CAT II / IV	CAT II / IV	CAT II / IV	CAT II / IV	CAT II / IV	CAT II / IV	CAT 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.

M9 models may be common vented into Category II vent systems with factory supplied "Cat IV to Cat II Vent Adapter". See vent submittal for details.

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