



## POWER-FIN<sup>®</sup> BOILER PRODUCT SUMMARY (PB) 500,000 - 2,000,000 BTU/HR

	PB-0502 (F9)	PB-0752 (F9)	PB-1002 (F9)	PB-1302 (F9)	PB-1501 (B9)	PB-1701 (B9)	PB-2001 (B9)
<b>WATER</b>							
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
<b>GAS</b>							
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	4.2" w.c.	4.2" w.c.	4.2" w.c.	4.2" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MANIFOLD PRESSURE, NAT	3.2" w.c.	3.2" w.c.	3.2" w.c.	3.2" w.c.	-5.3" w.c.	-6.3" w.c.	-3.9" 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	10.0" w.c.	10.0" w.c.	10.0" w.c.	10.0" w.c.	-3.4" w.c.	-3.8" w.c.	-2.1" w.c.
BTU/HR INPUT	500,000	750,000	999,999	1,300,000	1,500,000	1,700,000	2,000,000
BTU/HR OUTPUT	425,000	637,000	850,000	1,105,000	1,260,000	1,428,000	1,680,000
<b>ELECTRICAL</b>							
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
<b>DIMENSIONS</b>							
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"
<b>SERVICE CLEARANCES</b>							
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"
<b>VENTING</b>							
SIZE	7"	9"	10"	12"	12"	14"	14"
VENT CATEGORY	CAT I	CAT I	CAT I	CAT I	CAT I	CAT I	CAT I
VENT MATERIAL	"B" VENT	"B" VENT	"B" VENT	"B" VENT	"B" VENT	"B" VENT	"B" VENT
MAXIMUM DRAFT	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" 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 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.