

**PARKER BOILER CO.**  
**BOILER ROOM FLOOR PLAN SPECIFICATION SHEET**  
**PARKERETTE VERTICAL DRUM GAS FIRED STEAM BOILER 1-1/2 TO 3 H.P.**

BRFP-102  
5A

**(IA) RECOMMENDED BOILER ROOM SIZE, SINGLE BOILER, ATMOSPHERIC GAS FIRED:**

NO.	ITEM	1-1/2 H.P.	3 H.P.
A	Boiler Room Size (Recommended I.D., W x L x H)	6-1/2 x 6 x 9'	6-1/2 x 6 x 9'
D1	Door No. 1 (W x H)	3 x 7'	3 x 7'
D2	Door No. 2 (W x H)	2-1/2 x 7'	2-1/2 x 7'
AO *	Air Openings - Total Free Area	100 Sq. " *	129 Sq. " *
WIF	Width in Front	36"	36"
IWA	Width Boiler Cabinet	18"	20"
WIR	Width in Rear	24"	22"
LOL	Length on Left	20"	18"
2LA	Length Boiler Cabinet	18"	20"
LOR	Length on Right	34"	34"
3HA	Cabinet Height	39"	41"
4A	Vent Stack Diameter w/Draft Hood (Standard)	5"	6"
4B	Vent Stack Diameter w/Barometric Damper (Special Order)	5"	5"
7A	Gas Inlet Size - Standard Natural Gas	3/4"	3/4"
7B	Gas Inlet Size - High Pressure Natural Gas & LPG Gas	3/4"	3/4"
7C	B.T.U. Input required at rating (Per Hour)	65,000	129,000
9A HP	Steam Outlet Size High Pressure (Standard)	1/2"	1/2"
9 LP	Steam Outlet Size Low Pressure (Special)	1-1/4"	1-1/4"
10	Water Inlet Pipe Size to Boiler	1/2"	1/2"
11	Main Blowdown Line Size	1"	1"
12A HP	Safety Valve Drain Size (100 PSI)	3/4"	3/4"
12A LP	Safety Valve Drain Size (15 PSI)	3/4"	3/4"
18	Water Column Drain Size	3/4"	3/4"
22	Return Tank Size (W x L x H)	10 x 20 x 35"	10 x 20 x 35"
23 **	Return Line Inlet Size	3/4" **	3/4" **
26	Return Tank Water Inlet Line Size	1/2"	1/2"
27A	Return Tank Vent Size Required	1"	1"
27B	Return Tank Vent w/Dry Cleaning Steam Vacuum	3"	3"
28	Return Tank Overflow	3/4"	3/4"
29	Return Tank Drain Line Size	3/4"	3/4"
30	Blowdown Tank Size (Diameter x Height)	12 x 66"	12 x 66"
32	Blowdown Tank Vent Outlet Size	2-1/2"	2-1/2"
32L ***	Minimum Reduced Vent Line Size for up to 150 PSI	2" ***	2" ***
33	Blowdown Tank Drain Line Size	1"	1"
FS	Recommended Drain Line Size - floor sump to sewer	2"	2"
ES	Electrical Service - Main Line Disconnect Switch	15 Amps	15 Amps

\* Air Openings based on horizontal ducts to outdoors. See GBI 101-5, Paragraph V for complete details.

\*\* Can be decreased on high pressure or close runs. Increase on low pressure or long runs.

\*\*\* Consult Local Inspection Authority for approval before reducing Vent Line to size shown.

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**PARKERETTE VERTICAL DRUM GAS FIRED STEAM BOILER 1-1/2 TO 3 H.P.**

**(IB) MINIMUM RECOMMENDED BOILER ROOM SIZE, SINGLE BOILER WITH RETURN TANK AND BLOWDOWN TANK:**

<b>NO.</b>	<b>ITEM</b>	<b>1-1/2 H.P.</b>	<b>3 H.P.</b>
A	Boiler Room Size (Recommended I.D., W x L x H)	6 x 5 x 7'	6 x 5 x 7'
WIF	Width in Front	35"	35"
WIR	Width in Rear	19"	17"
LOL	Length on Left	18"	18"
LOR	Length on Right	24"	22"

**(IC) MINIMUM ALLOWABLE BOILER ROOM SIZE FOR SINGLE BOILER AND RETURN SYSTEM:**

**Blowdown Tank and All Other Equipment Outside Boiler Room**

A	Boiler Room Size (Recommended I.D., W x L x H)	5-1/2 x 4-1/2 x 7'	5-1/2 x 4-1/2 x 7'
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NOTE: All installation dimensions and specifications are adequate for proper operation of standard equipment. Special equipment may require additional space. All installations must comply with Local Code Requirements. Specifications subject to change without notice.