

**PARKER BOILER CO.**

BRFP-101-IV-V

**BOILER ROOM FLOOR PLAN SPECIFICATION SHEET**

9C

**U-DRUM POWER GAS, OIL OR COMBINATION FIRED STEAM BOILER 9.5-22 H.P.**

<b>(IA) RECOMMENDED BOILER ROOM SIZE, SINGLE BOILER:</b>					
NO.	ITEM	9.5 H.P.	12 H.P.	16 H.P.	22 H.P.
A	Boiler Room Size (Recommended I.D. W x L x H)	8-1/2 x 12 x 12'	8-1/2 x 12 x 12'	9 x 12-1/2 x 13'	9-1/2 x 13-1/2 x 14'
D1	Door No. 1 (W x H)	3-1/2 x 7'	3-1/2 x 7'	4 x 7'	5 x 8'
D2	Door No. 2 (W x H)	2-1/2 x 7'	2-1/2 x 7'	2-1/2 x 7'	2-1/2 x 7'
AO *	Air Openings- Total Free Area	398 sq. in. *	516 sq. in. *	688 sq. in. *	946 sq. in. *
WIF	Width in Front	30"	30"	31"	32"
IWA	Width Boiler Cabinet	31"	31"	35"	39"
WIR	Width in Rear	41"	41"	42"	43"
LOL	Length on Left	18"	18"	18"	18"
2LA	Length Boiler Cabinet	47"	47"	53"	66"
LOR	Length on Right	79"	79"	79"	78"
3HA	Cabinet Height	65"	65"	71"	82"
4A	Vent Stack Diameter with Barometric Damper	8"	8"	10"	12"
4B	Vent Stack - Minimum Height above Boiler at Sea Level	10'	12'	12'	12'
7A	Gas Inlet Size - Power Gas or Combination Fired Only	1"	1"	1"	1"
7C	B.T.U. Input required at rating	398M	516M	688M	946M
8A	Oil Input at Rating (No. 2 Light Fuel Only)	3 GPH	4 GPH	6 GPH	7.5 GPH
8B	Oil Supply Line Size Minimum for 30'	3/8"	3/8"	1/2"	1/2"
9A HP	Steam Outlet Size - High Pressure	1"	1"	1"	1-1/4"
9 LP	Steam Outlet Size - Low Pressure	1-1/2"	1-1/2"	1-1/2"	2"
10	Water Inlet Pipe Size to Boiler	3/4"	3/4"	3/4"	3/4"
11	Main Blowdown Line Size	1"	1"	1"	1-1/4"
12A HP	Safety Valve Drain Size (100 PSI)	1"	1"	1"	1-1/4"
12A LP	Safety Valve Drain Size (15 PSI)	1-1/2"	1-1/2"	1-1/2"	2"
18	Water Column Drain Size	3/4"	3/4"	3/4"	1"
22	Return Tank Size (W x L x H)	10 x 36 x 42"	10 x 36 x 42"	10 x 36 x 42"	13 x 36 x 46"
23 **	Return Line Inlet Size	1-1/4" **	1-1/4" **	1-1/2" **	1-1/2" **
26	Return Tank Water Inlet Line Size	1/2"	1/2"	3/4"	3/4"
27A	Return Tank Vent Size Required	1"	1"	1-1/4"	1-1/4"
27B	Return Tank Vent with Dry Cleaning Steam Vacuum	3"	3"	3"	3"
28	Return Tank Overflow	1"	1"	1"	1"
29	Return Tank Drain Line Size	3/4"	3/4"	1"	1"
30	Blowdown Tank Size (Diameter x Height)	12 x 66"	12 x 66"	16 x 68"	20 x 71"
32	Blowdown Tank Vent Outlet Size	2-1/2"	2-1/2"	2-1/2"	3"
32L ***	Minimum Reduced Vent Line Size for up to 150 PSI	2" ***	2" ***	2" ***	2-1/2"
33	Blowdown Tank Drain Line Size	1"	1"	1"	1-1/4"
FS	Recommended Drain Line Size from floor sump to sewer	2"	2"	2"	3"
ES	Electrical Service - Main Line Disconnect Switch	15 AMP	15 AMP	15 AMP	15 AMP

\* Air Opening sizes based on horizontal ducts to outdoors. See GBI 101-105 Pg. 2, Par. 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.

**NOTE:** All installation dimensions and specifications are adequate for operation of standard equipment. Specs. subject to change without notice. Special equipment may require additional space. All installations must comply with Local Code Requirements.