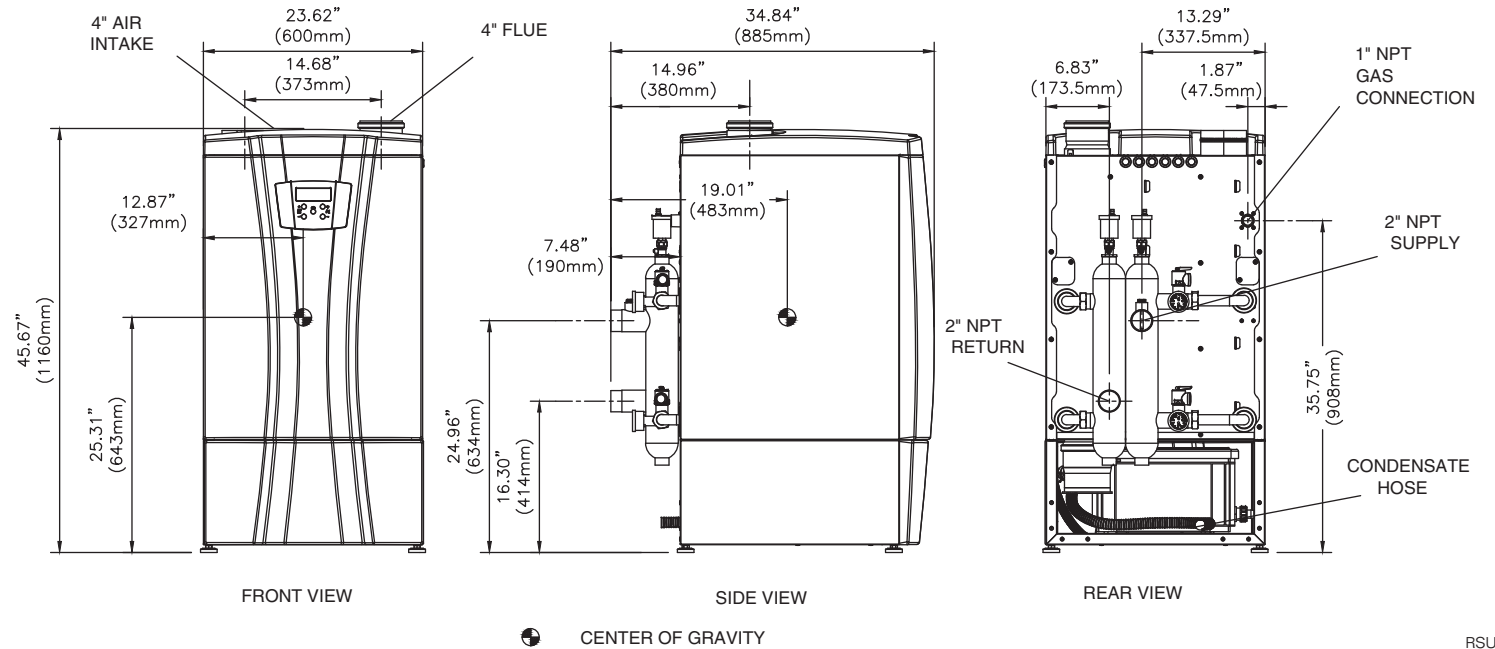


**NOTE:** Dimensions are approximate and should not be used to "rough-in" equipment.

\* Add circulator amps.

\*\* For incoming gas pressures lower than 3" W.C. natural or propane, consult factory.



RSUB-193

**A.G.A. CERTIFIED RATINGS & CAPACITIES**

<b>Fuel Type</b>	Natural/Propane Gas	<b>Boiler FLA</b>	2.50 A
<b>Input BTU/hr.</b>	500,000 / 147 kW	<b>Min. Gas Pressure Required</b>	3" W.C.
<b>Output BTU/hr.</b>	472,000 / 138 kW	<b>Max. Gas Pressure Allowed</b>	13" W.C.
<b>Electrical Requirements</b>	120VAC / 1 ph / 60 hz	<b>Operating Weight</b>	320 lbs. / 145 kg.

**TEMPERATURE RISE / PRESSURE DROP**

25°F / 13.9°C		30°F / 16.7°C				35°F / 19.4°C					
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
37.8	2.4	37.0	109.0	31.5	1.9	26.0	76.6	27.0	1.7	20.0	58.9

**BOILER TRIM & CONTROLS**

<b>Main Gas Valve</b>	Sit 848 Sigma	<b>Air Switch</b>	HUBA
<b>Ignition Control</b>	Argus	<b>Blower Motor</b>	EBM
<b>Operating Control</b>	Argus	<b>Relief Valve - IW</b>	3/4" x 3/4" @ 125 psi
<b>High Limit</b>	J2D-AOVJ	<b>Relief Valve - IB</b>	3/4" x 3/4" @ 50 psi

**RECOVERY CAPACITY**

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
1420	5368	947	3578	710	2684	568	2147	473	1789	406	1534

**A.S.M.E.**

<b>ASME Sect IV Htg Surface</b>	12.00 Sq. Ft. / 1.125 Sq. M.	<b>Design Data</b>	Max. 160 psig & 210°F
<b>Water Volume</b>	4.0 gal / 15.41 l (liters)		

<b>REP FIRM</b>	_____	<b>INFINITE ENERGY 2-500</b>
<b>SUBMITTED BY</b>	_____	
<b>JOB NAME</b>	_____	<b>Category IV Appliance</b>
<b>ARCHITECT</b>	_____	(see Installation and Operation Manual for venting information)
<b>ENGINEER</b>	_____	<b>RBI</b>
<b>CONTRACTOR</b>	_____	
<b>DATE</b>	_____	
	_____	
		A Division of Mestek, Inc. Westfield, MA 01085 (413) 568-9571

SIF-500-2