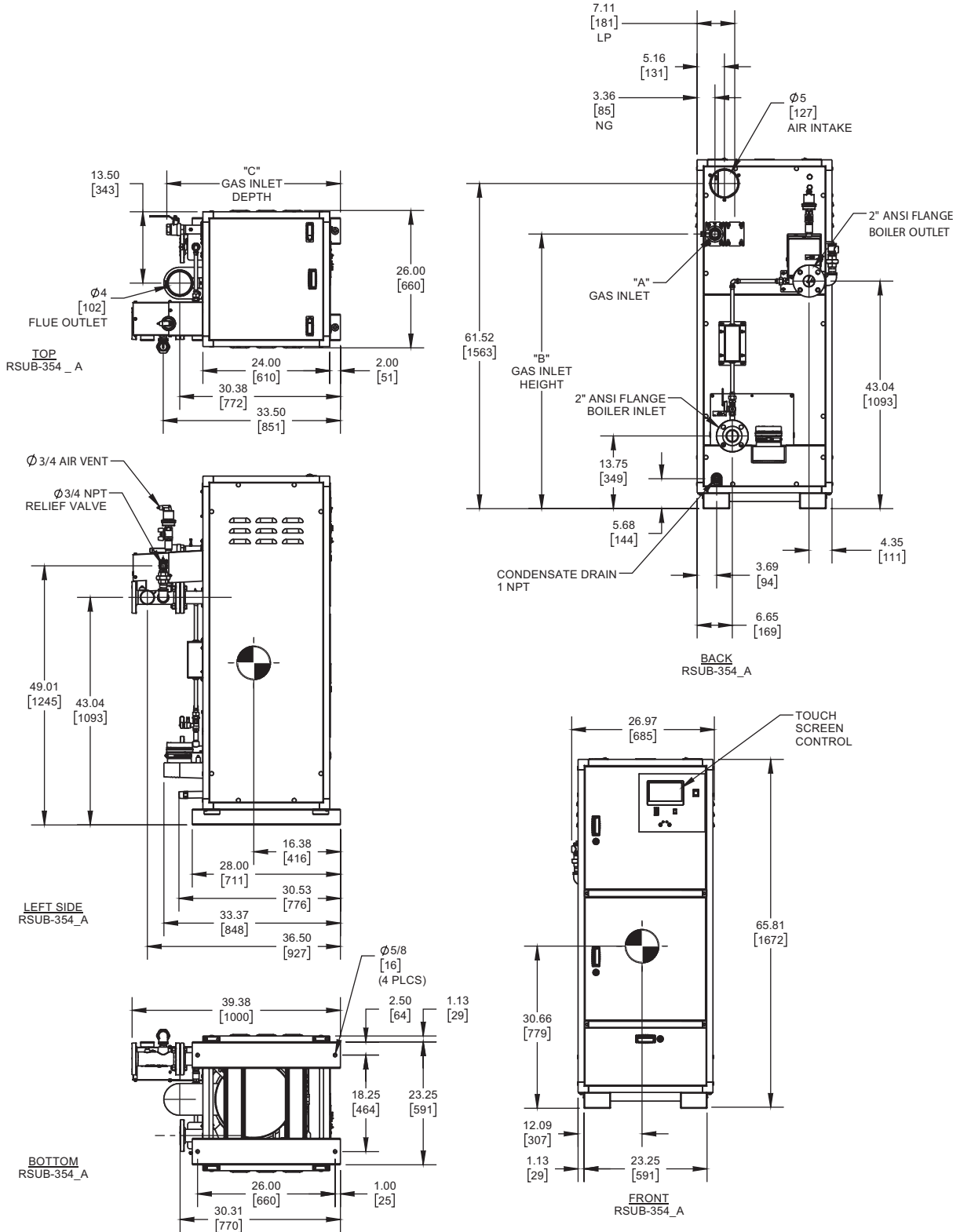


# ENCORE 600


Category II or Category IV Appliance  
(see Installation and Operation Manual for venting information)

## INDOOR UNIT



GAS OPTION	"A"	"B"	kPa
NG	1-1/4 NPT	51.95	32.83
LP	3/4 NPT	51.95	32.84

### Notes:

1. Dimensions are approximate and should not be used to "rough-in" equipment.
2. Dimensions are subject to change without notice.
3. All dimensions are in inches [mm].
4.  Symbol indicates center of gravity.

## BOILER CERTIFIED RATINGS & CAPACITIES

<b>Fuel Type</b>	Natural/Propane Gas	<b>Boiler FLA</b>	17.1 *
<b>Input BTU/hr.</b>	600,000 / 176 KW	<b>Boiler HP</b>	17.5
<b>Output BTU/hr.</b>	586,800 / 172 KW	<b>Min. Gas Pressure Required</b>	4" W.C.
<b>Electrical Requirements</b>	120 VAC/60 Hz/1PH (with neutral)	<b>Max. Gas Pressure Allowed</b>	14" W.C.
		<b>Operating Weight</b>	633 lbs. / 287.1 kg.

## BOILER TRIM & CONTROLS

<b>Main Gas Valve</b>	Dungs MBC	<b>Air Switch</b>	Huba
<b>Ignition Control</b>	Fenwal	<b>Flow Sensor</b>	SIKA
<b>Operating Control</b>	HeatNet®	<b>Blocked Flue Switch</b>	Cleveland NS2
<b>High Limit</b>	Jumo	<b>Blower Motor</b>	Ametek
<b>Relief Valve</b>	3/4" x 3/4" set @ 50 psi	<b>L.W.C.O.</b>	800

## A.S.M.E.

<b>ASME Sect IV Fire Side Htg Surface</b>	72.91 Sq. Ft. / 6.77 Sq. M.	<b>Design Data</b>	Max. 160 psig & 210°F
<b>ASME Sect IV Water Side Htg Surface</b>	95.8 Sq. Ft. / 8.90 Sq. M.	<b>Water Volume</b>	12.4 gal. / 46.9 Liters


\* Add circulator amps.

## BOILER TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

20°F / 11.1°C				30°F / 16.7°C				40°F / 22.2°C				50°F / 27.8°C				60°F / 33.3°C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		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	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
58.7	3.7	4.2	12.7	39.1	2.5	3.3	9.9	29.4	1.9	2.9	8.8	23.5	1.5	2.7	8.2	19.6	1.2	2.6	7.8

Flow GPM				Temp. Rise** (°F)				Vent Length (Equiv. Ft.)				Air Inlet Length (Equiv. Ft.)			
Min		Max		Min		Max		Min		Max		Min		Max	
19.6		58.7		20		60		6		100		0		100	

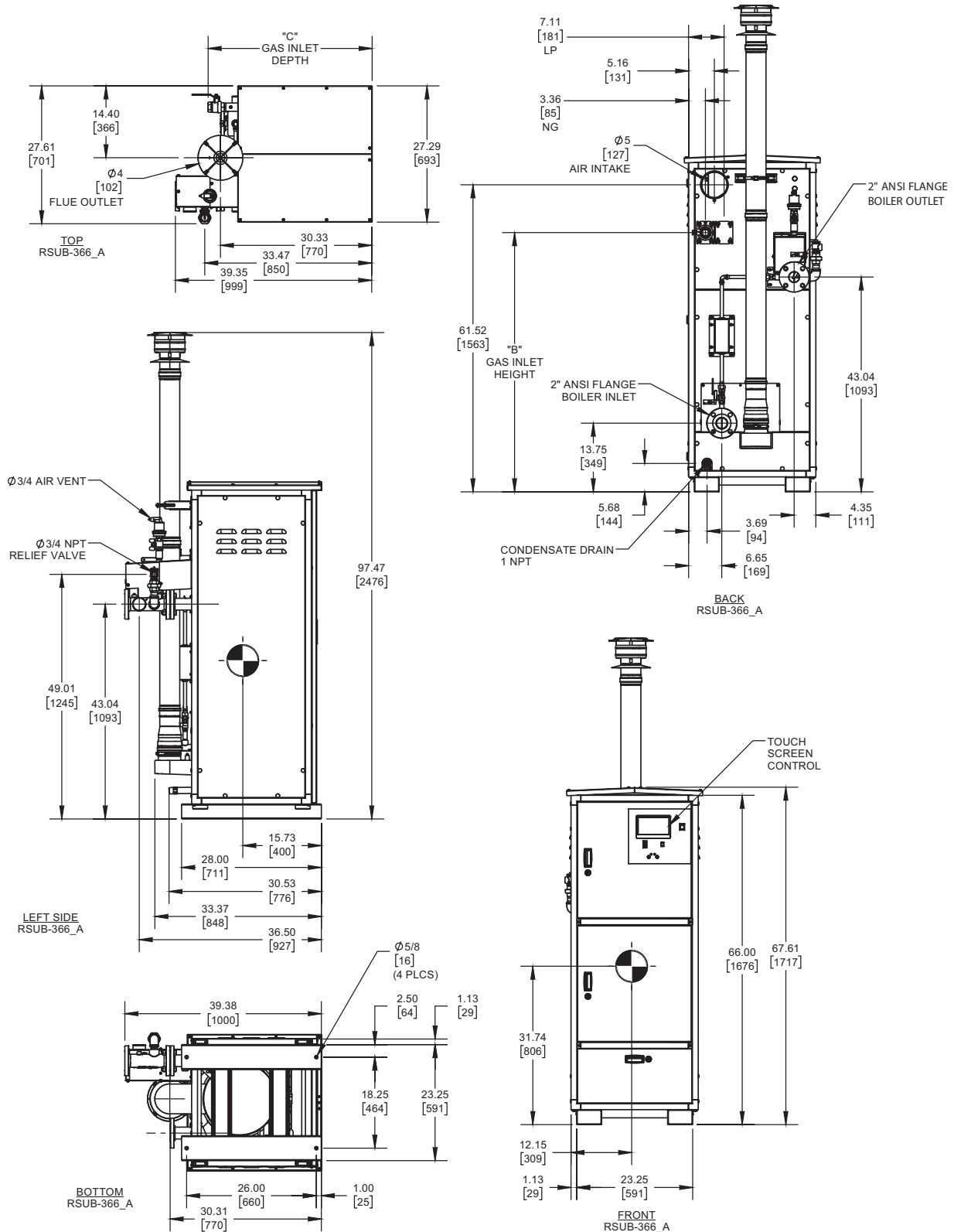
\*\* Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

<p><b>REP FIRM</b> _____</p> <p><b>SUBMITTED BY</b> _____</p> <p><b>JOB NAME</b> _____</p> <p><b>ARCHITECT</b> _____</p> <p><b>ENGINEER</b> _____</p> <p><b>CONTRACTOR</b> _____</p> <p><b>DATE</b> _____</p>	<div style="background-color: black; color: white; padding: 5px; font-weight: bold; font-size: 1.2em;">ENCORE 600</div> <p><b>Category II or Category IV Appliance</b> (see Installation and Operation Manual for venting information)</p> <div style="text-align: center;">  <p><b>RBI</b>® A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515</p> <p>RELIABLE. BOLD. INNOVATIVE.</p> </div>
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# ENCORE 600

Category II or Category IV Appliance  
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## OUTDOOR UNIT



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<b>Input BTU/hr.</b>	600,000 / 176 KW	<b>Boiler HP</b>	17.5
<b>Output BTU/hr.</b>	585,600 / 172 KW	<b>Min. Gas Pressure Required</b>	4" W.C.
<b>Electrical Requirements</b>	120 VAC/60 Hz/1PH (with neutral)	<b>Max. Gas Pressure Allowed</b>	14" W.C.
		<b>Operating Weight</b>	612 lbs. / 277.6 kg.

## BOILER TRIM & CONTROLS

<b>Main Gas Valve</b>	Dungs MBC	<b>Air Switch</b>	Huba
<b>Ignition Control</b>	Fenwal	<b>Flow Sensor</b>	SIKA
<b>Operating Control</b>	HeatNet®	<b>Blocked Flue Switch</b>	Cleveland NS2
<b>High Limit</b>	Jumo	<b>Blower Motor</b>	Ametek
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		<b>Water Volume</b>	12.4 gal. / 46.9 Liters
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Min		Max		Min		Max		Min		Max		Min		Max	
19.5		58.6		20		60		6		100		0		100	

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