

# LCD 1650

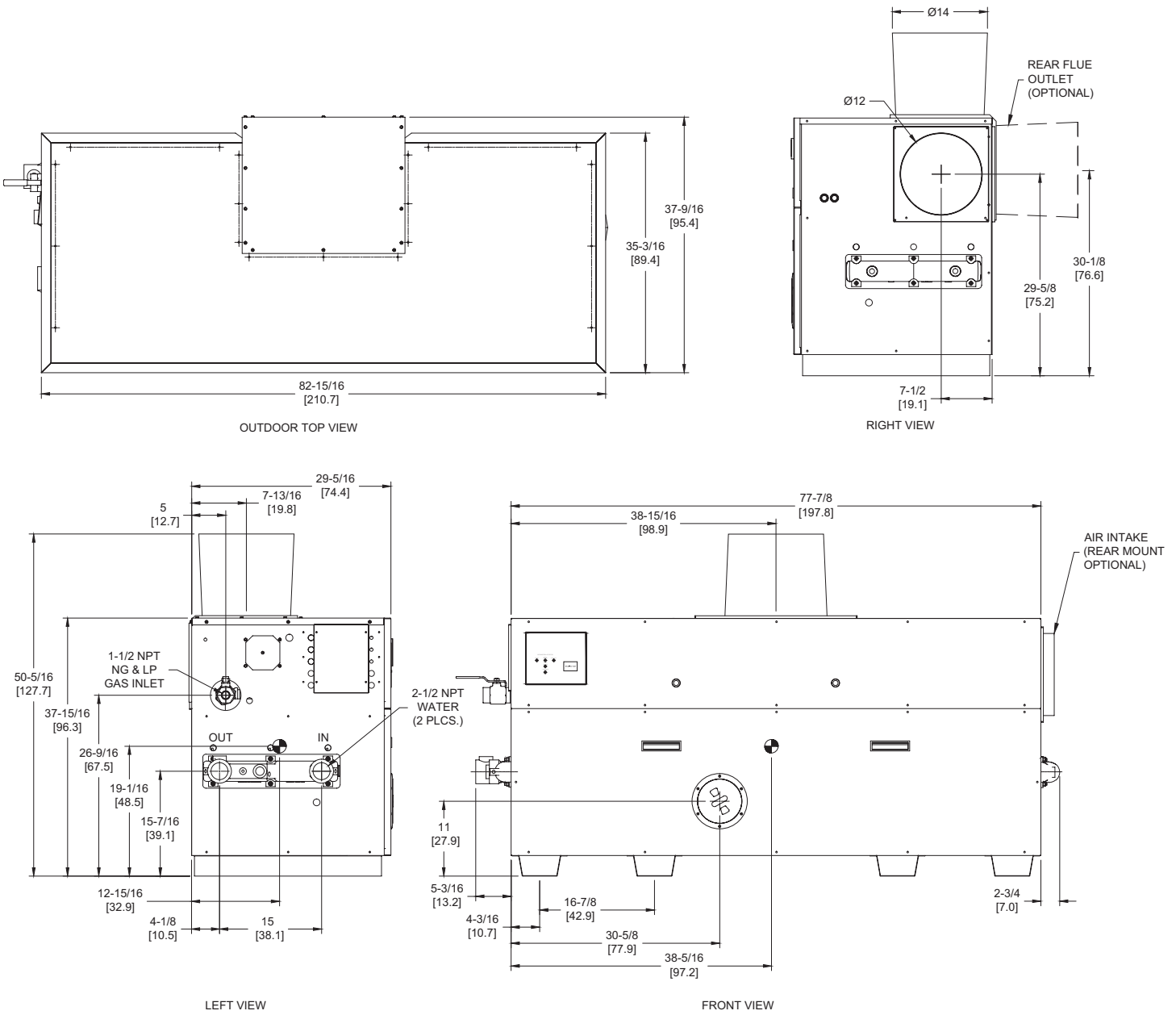
## Category I or Category III Appliance

(see Installation and Operation Manual for venting information)

### CODE OPTIONS

CSD-1

UTC Lockout/Reset Control  
Manual Reset LWCO



RSUB-22-F

#### 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 (cm).
4. Symbol indicates center of gravity.

## BOILER CERTIFIED RATINGS & CAPACITIES

<b>Fuel Type</b>	Natural/Propane Gas	<b>Boiler FLA</b>	11.0*
<b>Input BTU/hr.</b>	1,650,000 / 483 kW	<b>Min. Gas Pressure Required</b>	7" WC**
<b>Output BTU/hr.</b>	1,353,000 / 396 kW	<b>Max. Gas Pressure Allowed</b>	14" WC
<b>Electrical Requirements</b>	120VAC/ 1 ph/ 60 hz	<b>Operating Weight</b>	906 lbs. / 411 kg.

## BOILER / WATER HEATER TRIM & CONTROLS

<b>Main Gas Valve</b>	Honeywell V8944B 1-1/2"	<b>Pilot Valve</b>	Honeywell VR8205Q
<b>Firing Valve</b>	Honeywell B200T1058 1-1/2"	<b>Air Switch</b>	Cleveland RSS-495
<b>Safety Valve</b>	Honeywell V48A 1-1/2"	<b>Blower Motor</b>	(2) 1/4 hp - FLA 10.2
<b>Ignition Control</b>	UTC 1003-61A	<b>Relief Valve - LW</b>	3/4" x 3/4" set @ 125 psi
<b>Operating Control (LB/LW)</b>	Jumo	<b>Relief Valve - LB</b>	1" x 1- 1/4" set @ 50 psi
<b>High Limit (LB/LW)</b>	Jumo	<b>Flow Switch</b>	TACO

## A.S.M.E.

<b>ASME Sect IV Htg Surface</b>	149 Sq. Ft. / 13.84 Sq. M.	<b>Design Data</b>	Max. 160 psig & 250°F
<b>Water Volume</b>	4.9 gal / 18.6 Liters		

\* Add circulator amps.

\*\* For incoming gas pressures lower than 7" WC natural or 11" WC propane, consult factory.

## BOILER 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
108.2	6.8	7.02	20.7	90.2	5.7	5.01	14.8	77.3	4.9	3.77	11.1

## WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
4075	15405	2717	10270	2038	7703	1630	6162	1358	5135	1164	4402

**REP FIRM** \_\_\_\_\_  
**SUBMITTED BY** \_\_\_\_\_  
**JOB NAME** \_\_\_\_\_  
**ARCHITECT** \_\_\_\_\_  
**ENGINEER** \_\_\_\_\_  
**CONTRACTOR** \_\_\_\_\_  
**DATE** \_\_\_\_\_

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**RBI**®  
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Westfield, MA 01085  
(413) 564-5515