

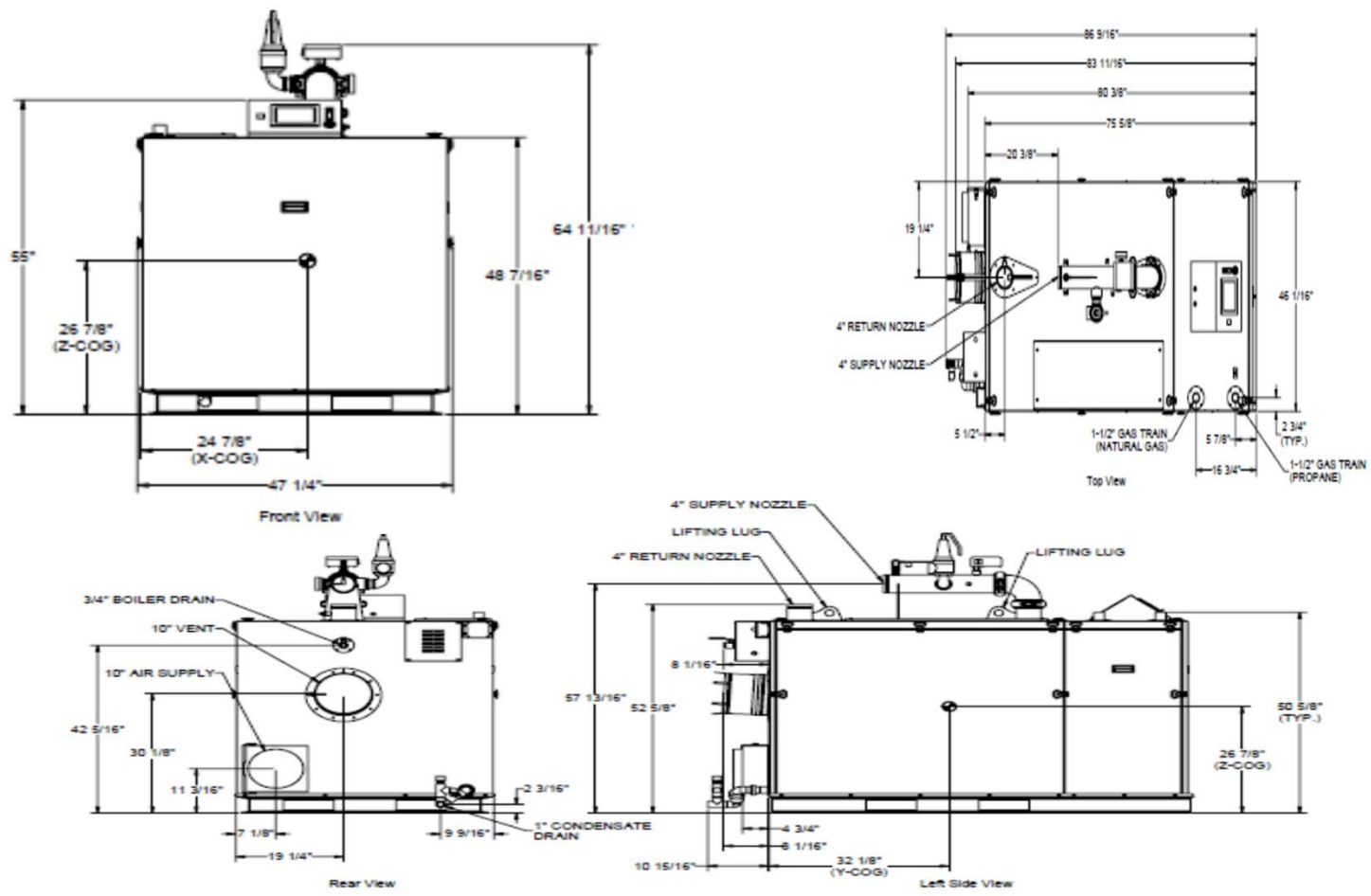
AMP CONDENSING BOILERS - SUBMITTAL DATA SHEET

RATINGS AND CAPACITIES		
Input - Low Fire	500,000	BTU/HR
Input - High Fire	2,500,000	BTU/HR
Output - High Fire	2,425,000	BTU/HR
Boiler Horsepower	72.4	BHP
Thermal Efficiency	97.0%	
Low Fire Thermal Efficiency	Up to 99%	
Heating Surface	301	Sq.Ft.
Water Content	34.6	Gallons
Fuel	Natural Gas / Propane	
Firing Rate	Full Modulation	
Burner Turndown	5:1	
Low NOx Emissions	< 10 ppm	
Inlet Gas Pressure (NG)	4" wc	Min.
Inlet Gas Pressure (Propane)	8" wc	Min.
	14" wc	Max.
Shipping Weight, Approximate	2,038	lbs

ASME Section IV (Max 160 PSIG / 21°C)
 ETL Certified to ANSI Z21.13 / CSA 4.9
 ETL Certified to UL 795 / CSA 3.1

DIMENSIONS / CONNECTIONS		
- Height	54-7/8"	(Note 1)
- Width	46"	(Note 2)
- Length	75-5/8"	(Note 3)
- Supply Connection	4" Grooved	
- Return Connection	4" Grooved	
- Vent / Air Intake Connections	10"	
- Gas Connection	1-1/2" NPT	

STANDARD EQUIPMENT		
- ASME Stainless Steel Heat Exchanger		
- Stainless Steel Pre-Mix Burner		
- Variable Speed Combustion Blower		
- Concert Control™ (24v)		
- High Limit Temperature Control, Manual Reset		
- Water Flow Switch		
- Low Water Cutoff, Manual Reset		
- Condensate Trap		
- Blocked Condensate Switch		
- ASME Pressure Relief Valve		
- Pressure / Temperature Gauge		
- Supply & Return Temperature Sensors		
- Flue Gas Temperature Sensor		
- Modulating Gas Valve		
- Manual Fuel Changeover Switch		
- Direct Spark Ignition and UV Scanner		
- High/Low Gas Pressure Switches, Manual Reset		
- Combustion Air Switch		
- Blocked Vent Switch		
- 208-240v/1/60 Line Voltage		
- Amp Draw: 208v (14.1) and 240v (12.6)		
- 208-240-460v/3ph/60hz Line Voltage		
- Amp Draw: 208v (11.0); 240v (9.9) and 460v (6.4)		
- Category II and IV Venting		
- Individual or Common (Engineered) Vent System		
- CPVC, Polypropylene & Stainless Steel Acceptable *Material		
- Sealed or Room Combustion Air Intake		
- Up to 300 ft equivalent venting / air intake		



- NOTES:
1. Height dimension is from floor to top of control box.
 2. Width does not include jacket butterfly clips that require 3/4" +/- clearance on each side.
 3. Length is the measurement of the boiler skid base.
 4. Dimensions shown are for reference only

FLOWS AND PRESSURE DROPS		
Delta T	Flow (GPM)	r P (Ft. Hd)
20°F r T (Max)	243	14.8
25°F r T	194	10.9
30°F r T	162	8.3
35°F r T	139	6.7
40°F r T	121	5.8
45°F r T	108	4.6
50°F r T	97	4.4
55°F r T (Min)	88	3.5

* Flue system material shall be capable of continuous operation at 210°F or higher and shall be certified to UL 1738 – venting system for gas-burning appliances cat II, III and IV.

AMP-2500-DF

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