

PFC 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 or 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 / 210°F)



ETL Certified to ANSI Z21.13 / CSA 4.9



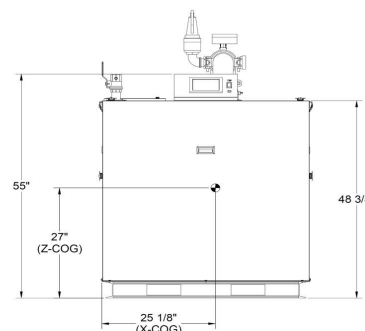
ETL Certified to UL 795 / CSA 3.1

DIMENSIONS / CONNECTIONS

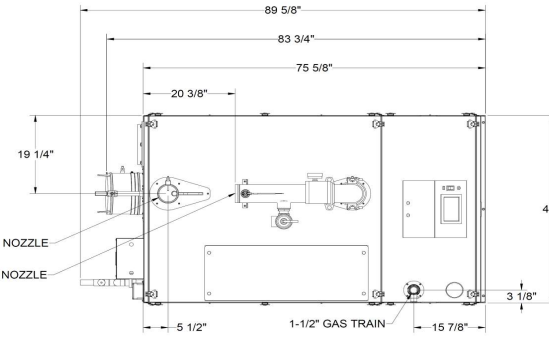
- Height	54-7/8"	(Note 1)
- Width	46"	(Note 2)
- Length	75-5/8"	(Note 3)
- Supply Connection	4" Grooved	
- Return Connection	4" Grooved	
- Vent / Air Intake Connections	10"	
- Gas Connection	1-1/2" NPT	

STANDARD EQUIPMENT

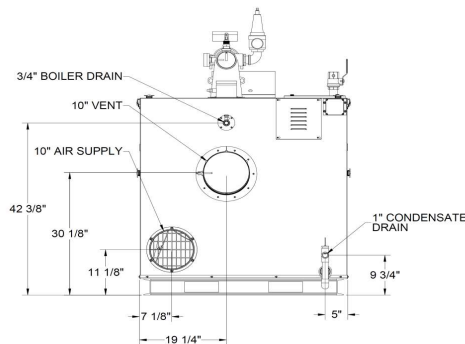
- ASME Stainless Steel Heat Exchanger
- Stainless Steel Pre-Mix Burner
- Variable Speed Combustion Blower
- Honeywell SOLA Control
- High Limit Temperature Control, Manual Reset
- Water Flow Switch
- Low Water Cutoff, Manual Reset
- Condensate Trap
- Blocked Condensate Switch
- ASME Pressure Relief Valve
- Pressure / Temperature Gauge
- Supply & Return Temperature Sensors
- Flue Gas Temperature Sensor
- Modulating Gas Valve
- Direct Spark Ignition and UV Scanner
- High/Low Gas Pressure Switches, Manual Reset
- Combustion Air Switch
- Blocked Vent Switch
- 120-208-240v/1/60 Line Voltage
 - Amp Draw: 120v (13.5), 208v (8.2) and 240v (7.7)
- 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



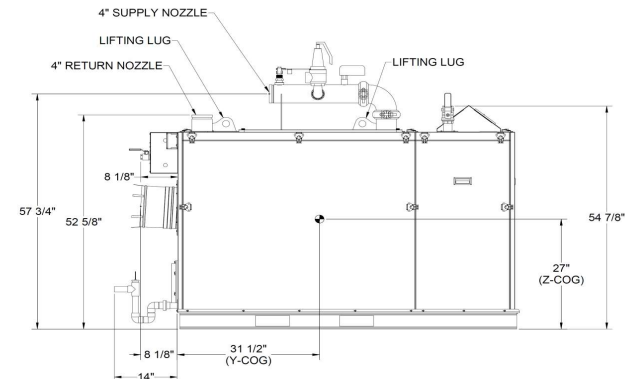
Front View



Top View



Rear View



Left Side View

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)	Δ P (Ft. Hd)
20°F Δ T (Max)	243	14.8
25°F Δ T	194	10.9
30°F Δ T	162	8.3
35°F Δ T	139	6.7
40°F Δ T	121	5.8
45°F Δ T	108	4.6
50°F Δ T	97	4.4
55°F Δ 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.

PFC-2500

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PeerlessBoilers.com

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(Drawing No.: PFC-8206)