

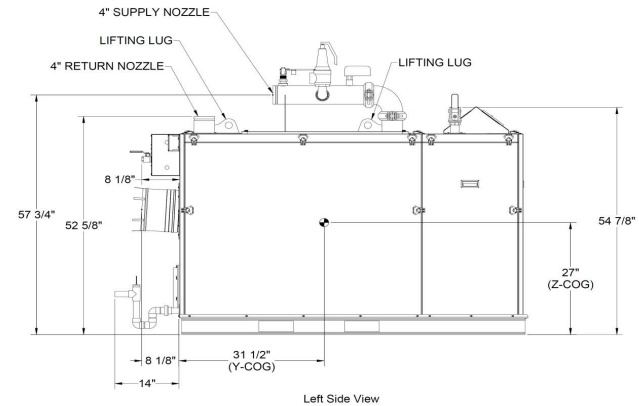
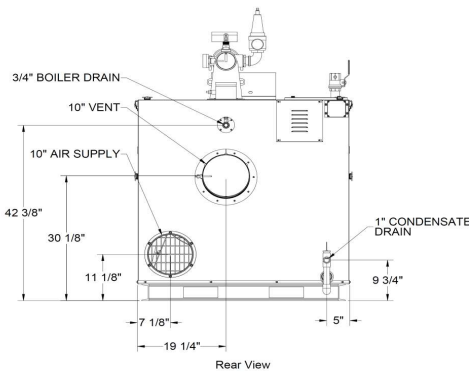
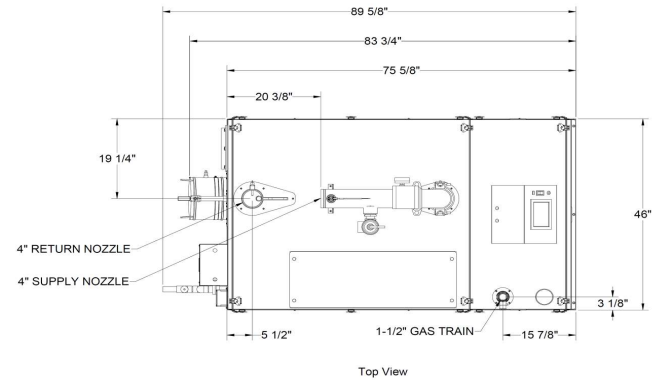
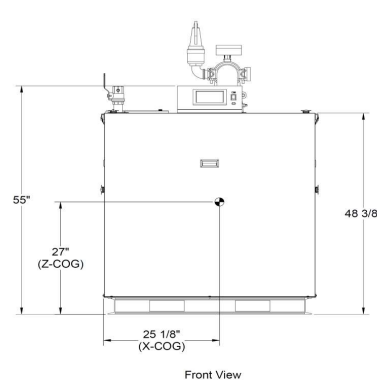
PFC CONDENSING BOILERS - SUBMITTAL DATA SHEET

RATINGS AND CAPACITIES		
Input - Low Fire	600,000	BTU/HR
Input - High Fire	3,000,000	BTU/HR
Output - High Fire	2,910,000	BTU/HR
Boiler Horsepower	86.9	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	
- 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	

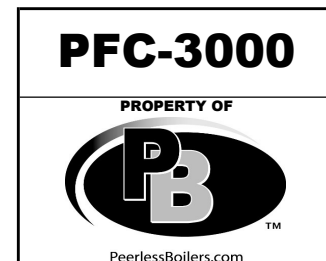


NOTES:

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)	Δ P (Ft. Hd)
20°F Δ T (Max)	291	19.4
25°F Δ T	233	13.4
30°F Δ T	194	10.6
35°F Δ T	166	8.8
40°F Δ T	146	7.4
45°F Δ T	129	6.0
50°F Δ T	116	5.3
55°F Δ T (Min)	106	4.4

* 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.



Updated 07/24/2023

(Drawing No.: PFC-8207)