

prestige

Fully Condensing Water Boiler



Engineering Submittal Prestige EXCELLENCE 110

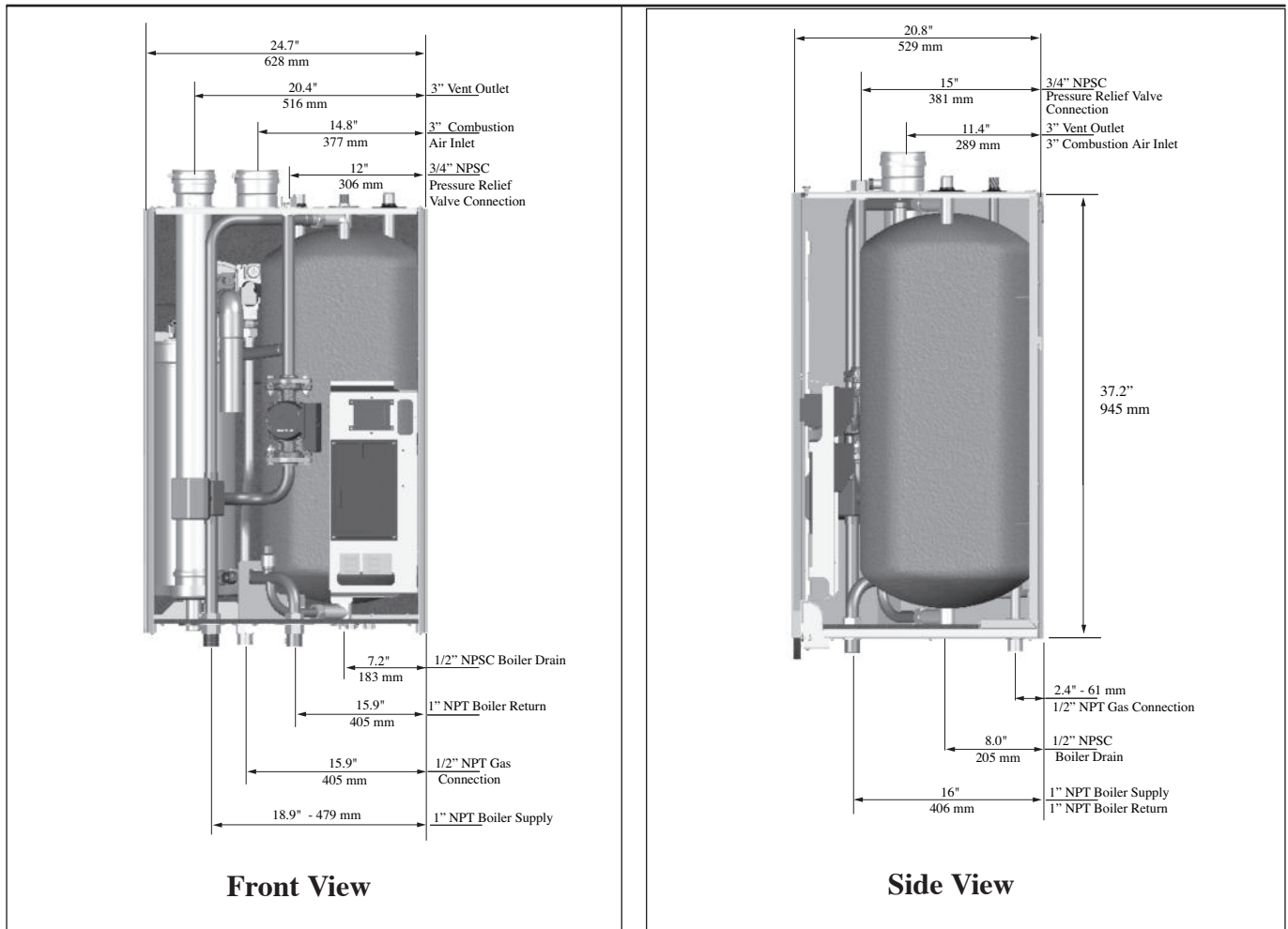


- Digital display control panel
- Use of 3" PVC, CPVC or AL29-4C pipe for vent and air up to 60 equivalent feet each or 4" up to 100 equivalent feet each (total of length and fitting - each 90° elbow equals 5 feet and each 45° elbow equals 3 feet)
- Limited 10 year warranty
- Boost feature for low temperature startup
- Light weight construction for wall mounting
- Standard equipment:
 - ASME 30 psi pressure relief valve
 - pressure and temperature gauge
 - high limit temperature safety control
 - outdoor temperature reset control
 - 3 speed flanged circulator prepiped and prewired
 - air vent
 - 24 volt terminal strip with removable jumpers for manual reset or automatic reset
 - automatic low water cutoff feature
 - variable speed blower
 - 3-way diverting valve
 - thermostatic domestic mixing valve
- Microprocessor electronic gas and air controller
- 14 gallon "Tank-in-Tank" indirect fired water heater
- Stainless steel premix burner
- Reliable spark ignition
- Unique geometry – 3 consecutive baffles guide water flow through the heat exchanger and around the combustion chamber
- High water content – stable temperature control and less sensitive to water flow
- Electronic controls with easy to read menus, performance and trouble shooting codes
- Swing out control panel for easy access and servicing
- Attractive appliance design for installation in high visibility areas
- Boiler water supply temperature can be maintained by the Prestige, eliminating the need for a mix system to achieve the desired temperature with high limit protection

Engineering Submittal Data

- ASME Boiler Certification - ASME "H" Stamp
- ENERGY STAR Qualified
- Unit complies with ANSI Z21.13 and CSA 4.9 Boiler Standards
- Fully condensing – 95% AFUE Efficiency
- Full modulation capability from 25% to rated input
- Modulation allows fewer and longer cycles leading to lower operating cost and longer component life
- Low pressure drop heat exchanger
- Built-in, prepiped, 14 gallon, stainless steel "Tank-in-Tank" indirect fired water heater capable of producing 180 gph of continuous hot water
- Control interface and logic with a three way diverting valve to ensure domestic priority
- Approved for zero clearance to combustibles (excluding vent and boiler piping)
- Automatic boiler freeze protection
- Anti-freeze allowed when used per manufacturer's specifications.
- Superior grade stainless steel heat exchanger construction - 439 Grade
- Self cleaning flue ways in heat exchanger
- Low NOx operation exceeding SCQMD 2012 regulations

Project / Location: _____	Date: _____
Consulting Engineer / Architect: _____	
Mechanical Contractor: _____	
Notes: _____	



Boiler Specifications

Model	Fuel	Input Modulation MBH	AFUE %	DOE Heating Capacity MBH	NET I=B=R MBH	Boiler Water Volume Gal.	Supply/Return Connections	Gas Connection	Vent/Air Diameter	Weight Lbs
PE 110	Natural	30-110	95	99	86	2.5	1"	1/2"	3"	190
PE 110 LP	Propane	27-97	95	87	76					

Domestic Hot Water Performance/Specifications

Model	10 min. Peak Flow Gal.	1 Hour Rating GPH	Continuous Flow @ 70° Rise GPH	Domestic Inlet/Outlet	Domestic Capacity Gal.	Heating Water Capacity Gal.
PE 110	55	210	180	3/4"	14	2.3

Conditions:

- 50°F Domestic cold water inlet temperature
- 120°F Domestic hot water outlet temperature when factory supplied mixing valve is installed
- 186°F Boiler water supply temperature

Note: Minimum allowable flow rate at full input: 5 gpm