

prestige

Fully Condensing Water Boiler



Engineering Submittal Prestige EXCELLENCE 110



TriMax Control System

- Graphical display with 6 navigation buttons
- EZ Setup allows quick and easy boiler settings adjustment
- Logging function records sensor readings for system optimization and troubleshooting
- Lockout screen includes a text description with basic troubleshooting information
- Outdoor temperature reset to maximize efficiency
- Two space heating call inputs with independent outdoor reset curves
- Domestic hot water priority with optional timeout
- Integrated cascade control for up to 6 Prestige boilers
- 0-10 VDC Modulation input
- Modbus building management system (BMS) interface
- Warm weather shutdown option
- Optional boiler freeze protection

Prestige Excellence Features

- Light weight construction for wall mounting
- Approved for zero clearance to combustibles
- 14 gallon “Tank-in-Tank” indirect fired water heater
- 2” PVC, CPVC venting up to 45 equivalent feet
- 3” PVC, CPVC, PP, or AL29-4C venting up to 100 equivalent feet.
- Limited 10 year warranty on heat exchanger and “Tank-in-Tank” water heater

Approvals

- 96% AFUE Efficiency
- ENERGY STAR Qualified
- ANSI Z21.13 and CSA 4.9 Boiler Standards Compliance
- ASME Boiler Certification – ASME “H” Stamp
- Low NOx operation exceeding SCQMD 2012 regulations

Stainless Steel Fire Tube Heat Exchanger

- 439 Stainless Steel heat exchanger construction
- Low pressure drop minimizes circulator size
- High water content provides stable temperature control
- Self cleaning flue ways reduce maintenance

Standard Equipment

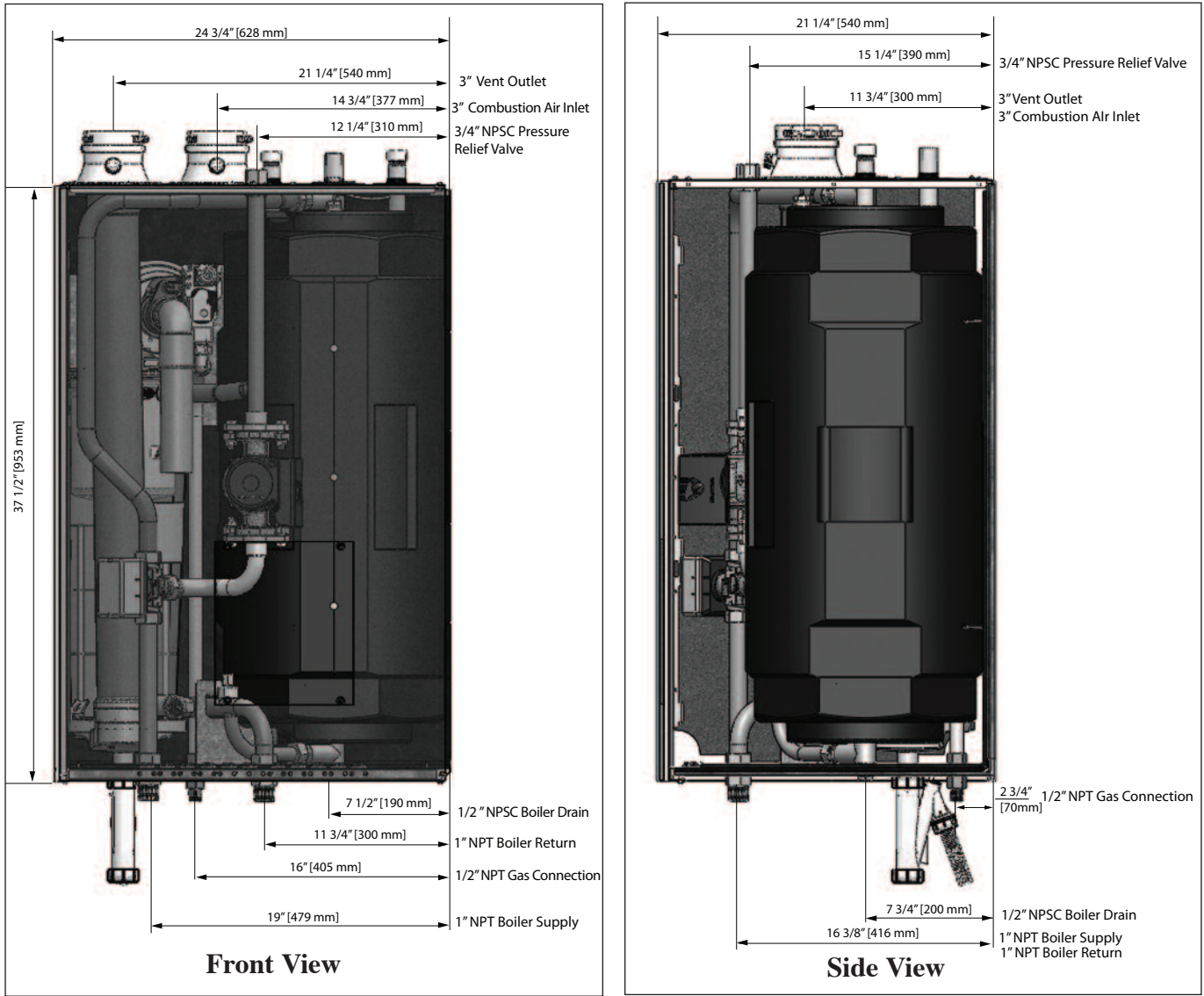
- Stainless steel premix burner
- Direct spark ignition with variable speed blower
- Full modulation from 25% to rated input
- Automatic air vent
- ASME 30 PSI pressure relief valve
- Pressure and temperature gauge
- Thermostatic domestic mixing valve
- 3-Way diverting valve prepiped and prewired
- 3 Speed flanged circulator prepiped and prewired
- Outdoor temperature sensor
- Automatic low water cutoff feature
- High temperature limit safety control
- Line voltage terminal strip with individual fuses
- Low voltage terminal strip with removable jumpers for manual or automatic reset limits
- Swing down control panel for easy access and servicing
- Alarm contact

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
PTE 110	Natural	30-110	96	99	86	2.5	1"	1/2"	3"	190
PTE 110 LP	Propane	25-97	96	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.
PTE 110	55	210	180	3/4"	14	2.3

Domestic Hot Water Conditions:

- 50°F Domestic cold water inlet temperature
- 108°F Domestic hot water outlet temperature when factory supplied mixing valve is installed