

### Total Tankless Solution (TTS) Specification Sheet

# TTS-S2MINI

## Standard Commercial Tankless Water Heater System

### UNMATCHED TECHNOLOGY

FRG's TTS-S2MINI Series provides the most complete commercial water heater solution in the market. This tankless water heating system provides up to 399,800 BTU/hr in the smallest footprint while having the advantage of redundancy and equalizing heating performance.

### KEY FEATURES

#### OPC (One Point of Connection)

- Water, Recirculation Return Line, Power, Gas, Venting & Condensation Drain

#### Manifold systems

- Hot Water Outlet, Cold Water Inlet, Gas, Condensate Drain

#### Building recirculation

#### Reduction in labor hours

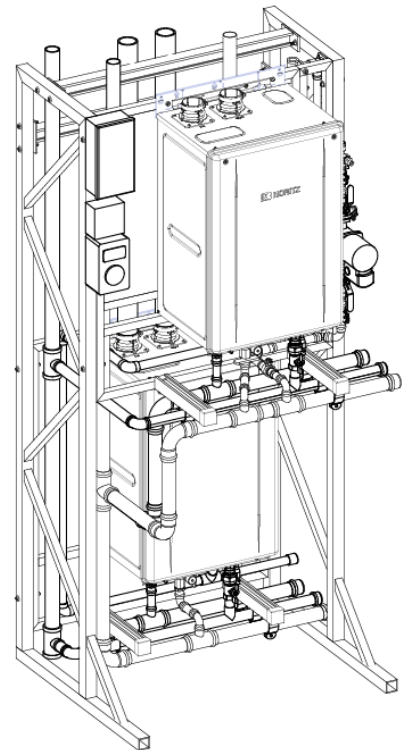
#### Worry-free installation

#### Designed to fit through 3'-0" x 7'-0" Door

#### Pre-engineered system

#### Pre-configured control wiring

#### Pre-installed system controllers



#### Warranty

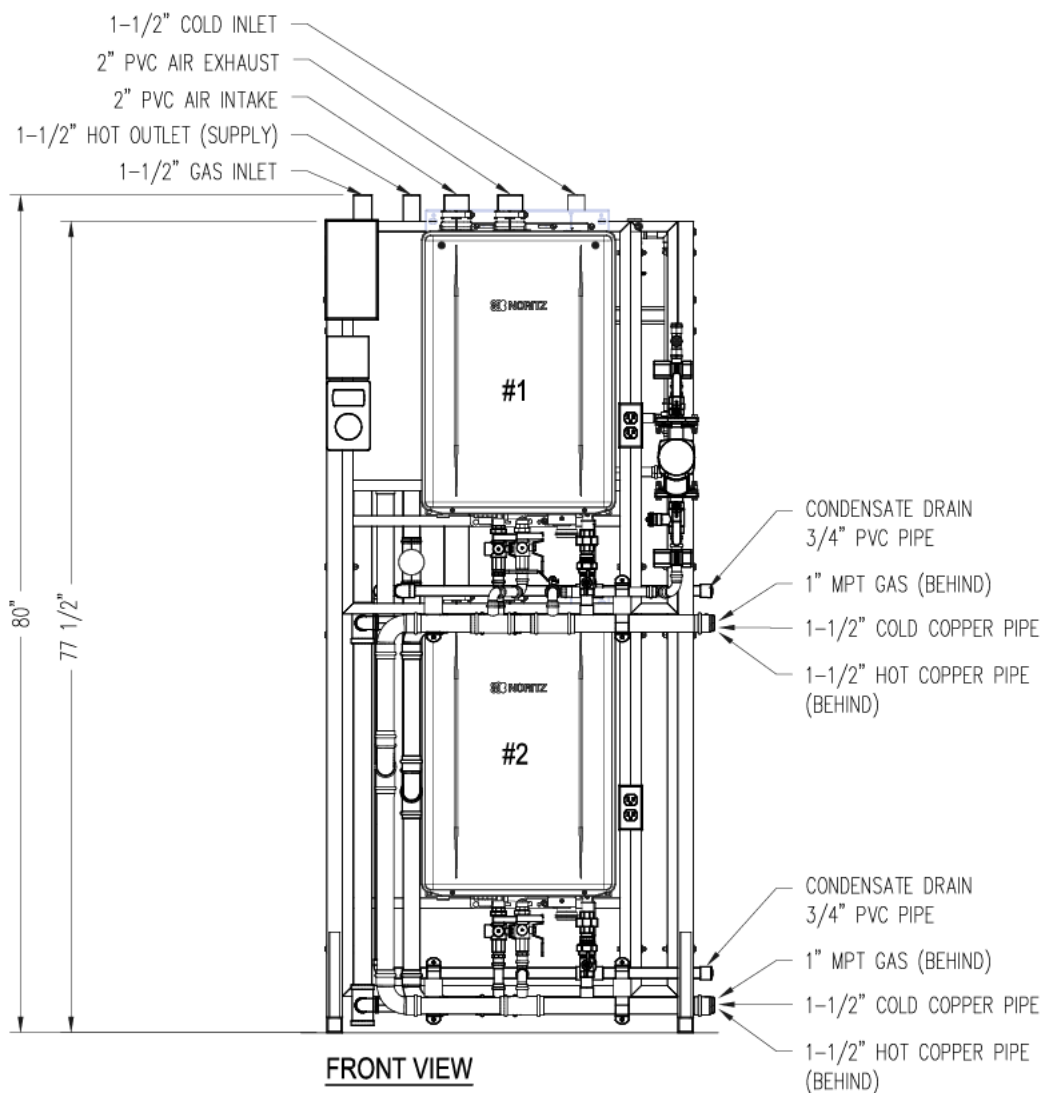
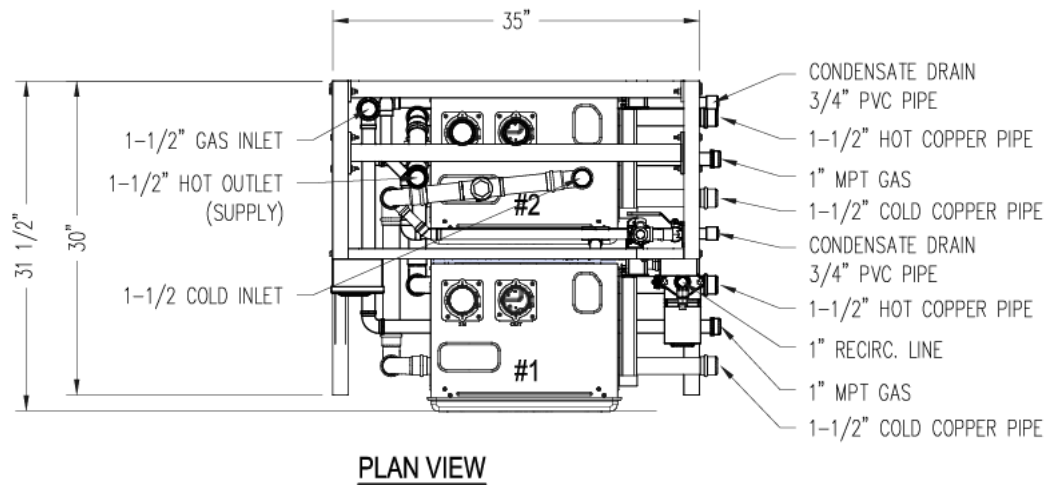
- 10 Years Heat Exchanger per Tankless Unit
- 5 Years Water Heater Parts & Components
- 3 Year Circulation Pump
- 1 Year Labor

#### Additional Included Accessories:

- Condensate Neutralizer (Qty 1)
- Expansion Tank (Non-ASME)  
- 4.5 Gallon (TTS-S2MINI/3/4MINI Models)

# TTS-S SERIES SPECIFICATIONS (SYSTEM DIMENSIONS)

## Model: TTS-S2MINI



## TTS-S SERIES SPECIFICATIONS (PARAMETERS)

| Model Name                         |                                | TTS-S2MINI                                                                 |
|------------------------------------|--------------------------------|----------------------------------------------------------------------------|
| Min. Input (BTU/HR)                |                                | 12,800                                                                     |
| Max. Output (BTU/HR)               |                                | 399,800                                                                    |
| Turn Down Ratio                    |                                | 32:1                                                                       |
| System Dimensions L X D X H (IN)   |                                | 35 X 31.5 X 80<br>(51 CU. FT.)                                             |
| System Weight (LBS)                |                                | 180                                                                        |
| Shipping Dimensions L X D X H (IN) |                                | 45.5 X 42 X 83.5<br>(92 CU. FT.)                                           |
| Shipping Weight (LBS)              |                                | 360                                                                        |
| GPH @100°F Rise                    |                                | 468                                                                        |
| Operating Pressure                 |                                | 15 - 150 psi                                                               |
| Gas Supply Pressure                |                                | NG: 3.5" - 10.5" LP: 8.0" - 14.0"                                          |
| Water Holding Capacity             |                                | 0.80 Gallon (3.2L) per Heater                                              |
| Connection Size                    | Water Inlet                    | 1-1/2" LC-ODT/PP                                                           |
|                                    | Hot Water Outlet               | 1-1/2" LC-ODT/PP                                                           |
|                                    | Hot Water Recirculation Return | 3/4" LC-ODT/PP                                                             |
|                                    | Gas Inlet                      | 1-1/2" Sch40-BI-NPT                                                        |
|                                    | Condensate Drain               | 3/4" Sch 40 PVC-ODT                                                        |
| Power Consumption                  | Supply Total Rack              | 208/240 VAC 1-PH<br>20-AMPS                                                |
|                                    | Sub - Heater                   | 120VAC (60Hz), less than 4 amperes                                         |
|                                    | Sub - Recirculation Pump       | 120VAC (60Hz), 5 to 45W                                                    |
| Temperature Setting                | °F Mode                        | 100-150°F (In 5°F intervals), 160°F, 170°F, 185°F (14 Options)             |
|                                    | °C Mode                        | 37-48°C (In 1°C intervals), 50-85°C (In 5°C intervals) (20 Options)        |
| Materials                          | Heater Front Cover             | Hot-dipped zinc-aluminum-magnesium-alloy-coated steel w/ Polyester Coating |
|                                    | Heater Casing                  | Zincified Steel Plate / Polyester Coating                                  |
|                                    | System Rack                    | Aluminum                                                                   |
| Pump Performance                   | Sub - Recirculation Pump       | 3.5-GPM @ 15' of head (see Pump Curve below)                               |

