

SUBMITTAL SHEET

JOB NAME _____

LOCATION _____

ARCH. / ENGR. _____

WHOLESALER _____

MECH. CONTRACTOR _____

MODEL NO. _____ GAS TYPE _____

BTU/HR INPUT _____ BTU/HR OUTPUT _____

NOTES _____

Standard equipment

Boiler

- Stainless Steel Fire-Tube Heat Exchanger
- Non-Metallic Heat Exchanger Base
- 10 to 1 Turndown Ratio (110-199 Sizes)
- 8 to 1 Turndown Ratio (80 Size)
- Built-in ECM Circulator (Taco 0015e)
- 3 in 1 Air/Vent Adapters w/Test Port
- Built-in LWCO Port
- Wall Mount Bracket & Template
- Condensate Trap
- Low NOx SCAQMD Compliant
- High Altitude Approved

Control Features

- Color Touch Screen Display
- Easy Set-up with Control Wizard
- Zone and/or Priority Based Control
- Four Thermostat Inputs (2 on combi)
- 0-10V Input (modulation or setpoint)
- Outdoor Reset for Each Priority
- Rate Adjustable per Priority
- Four Outputs (2 on combi) can be used with external circulators, dampers, or system aux
- Aux Inputs – Flow Switch or End Switch
- Aux Outputs – System Pump or Damper
- Individually Fused 120V Outputs
- Modbus Connectivity
- Additional Heat Demand Contact

Optional accessories

- **Easy Up manifold**
Avoid flow issues, save time with quick fit near boiler piping
- **Isolation flush valves**
For easy DHW maintenance
- **Paintable sidewall vent termination**
Blend in, nice appearance
- **2" & 3" concentric vent termination**
For one penetration through sidewall or roof
- **Low water cut off**
Simple plug & play kit to meet local codes
- **Condensate neutralizer**
To protect home drain line
- **Water treatment and test kit**
To help ensure entire system protection
- **Parts kit**
Critical components to optimize customer service
- **Maintenance kit**
Key components to perform annual boiler maintenance
- **Propane kit**
Simple conversion to match home LP supply
- **System sensors**
Extra monitoring points on supply & return pipes for further modulation
- **Boiler pedestal kit**
For floor standing installations

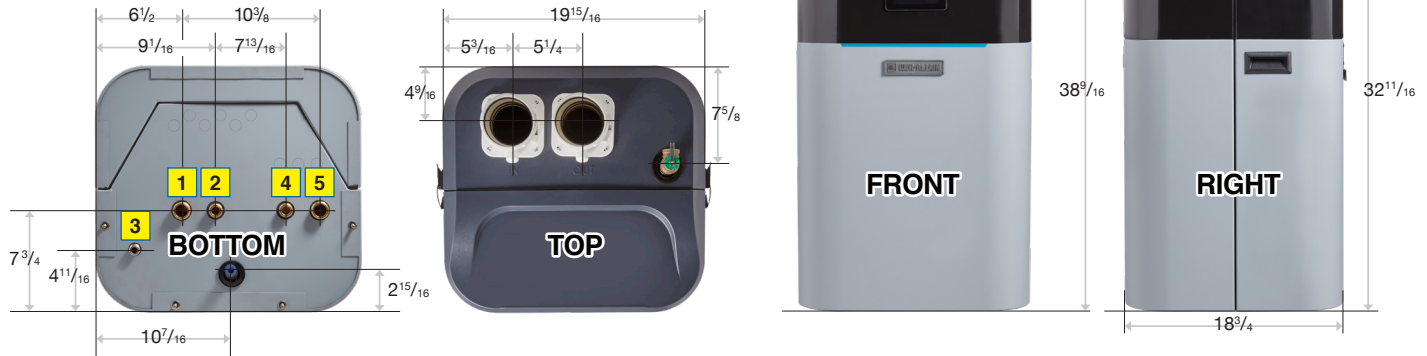


HIGH-EFFICIENCY CONDENSING BOILER

 4 Heat Only Sizes, 3 Combi Sizes | Water | Natural or Propane Gas | 80-199 MBH
 Direct Vent or Direct Exhaust | 95% AFUE

Dimensions

All measurements are in inches



Specifications

Domestic Hot Water Flow Rate Gallons Per Minute @ Temp Rise			
Model ¹	70°F	75°F	77°F
110-C	3.0	2.9	2.8
150-C	4.1	3.9	3.8
199-C	5.4	5.0	4.9

Connections (NPT/Inches)		80	110	150	199
1	Heating system supply tapping	1"	1"	1"	1"
2	Domestic hot water outlet	-	3/4"	3/4"	3/4"
3	Gas connection	1/2"	1/2"	1/2"	1/2"
4	Domestic cold water supply	-	3/4"	3/4"	3/4"
5	Heating system return tapping	1"	1"	1"	1"
6	Combustion air connection	3"	3"	3"	3"
7	Flue outlet connection	3"	3"	3"	3"

		AHRI Certified Ratings								
	Model ¹	Input (MBH)	DOE Heating Capacity (MBH) ²	Net AHRI Water Ratings (MBH) ³	DOE Seasonal Efficiency (AFUE)	Boiler Water Content (Gallons)	Vent/Air Pipe Size (Inches)	Vent Material	Boiler Dimensions	Boiler Weight (Lbs.)
HEAT ONLY	80-H	80	74	64	95%	2.2	2 or 3	PVC, CPVC, PP, SS	19"L x 20"W x 33"H	104
	110-H	110	100	87	95%	2.2	2 or 3	PVC, CPVC, PP, SS	19"L x 20"W x 33"H	104
	150-H	150	139	121	95%	3.1	2 or 3	PVC, CPVC, PP, SS	19"L x 20"W x 33"H	117
	199-H	199	184	160	95%	3.8	2 or 3	PVC (3" only), CPVC, PP, SS	19"L x 20"W x 33"H	127
COMBI	110-C	110	100	87	95%	2.2	2 or 3	PVC, CPVC, PP, SS	19"L x 20"W x 33"H	114
	150-C	150	139	121	95%	3.1	2 or 3	PVC, CPVC, PP, SS	19"L x 20"W x 33"H	126
	199-C	199	184	160	95%	3.8	2 or 3	PVC (3" only), CPVC, PP, SS	19"L x 20"W x 33"H	135

¹ Shipped as Natural gas, field convertible to LP with optional kit. ² Based on standard test procedures prescribed by the United States Department of Energy, MBH refers to thousands of Btu per hour. ³ Net AHRI ratings are based on net installed radiation of sufficient quantity for the requirement of the building and nothing needs to be added for normal piping and pick-up. Ratings are based on piping and pick-up allowance of 1.15. An additional allowance should be made for unusual piping and pick-up loads. In the interest of continual improvement in product and performance, Weil-McLain reserves the right to change specifications without notice.

