

# SUBMITTAL SHEET

JOB NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

ARCH. / ENGR. \_\_\_\_\_

WHOLESALER \_\_\_\_\_

MECH. CONTRACTOR \_\_\_\_\_

MODEL NO. \_\_\_\_\_

NOTES

## Standard Equipment

### Boiler:

- Cast aluminum block
- 30 PSI ASME relief valve
- Drain valve
- Stainless Steel Burner (80, 105) with woven steel fiber mesh (155, 230, 299 & 399)
- Direct spark ignition
- Variable speed blower assembly
- Venturi mixing system with air silencer
- Negative pressure regulated gas valve
- 50 VA transformer
- Dual scale temp. & pressure gauge
- Outlet water temp. sensor
- Inlet water temp. sensor
- Flue gas temp. sensor
- Outdoor temp. sensor
- System water temp. sensors
- Water treatment – inhibitor & test kit

### Boiler Circulators:

- 1" Flanges (80 & 105) Taco 007
- 1" & 1¼" Flanges (155 & 230) Taco 0014
- 1¼" & 1½" Flanges (299) Taco 0014
- 1¼" & 1½" Flanges (399) Taco 0013

### U-Control Module:

- 3.5" LCD display
- Three boiler priorities with multiple preset system configurations
- Color-coded removable terminal blocks
- Multiple boiler functionality
- Alarm control functionality
- Ignition control
- High limit & modulating temp. control
- Low water protection
- Outdoor reset
- Ability to control any combination of 3 circulators

### Complete Jacket Assembly with:

- Fully removable jacket front
- Adjustable boiler legs
- On/off power switch
- Condensate trap with drain tee assembly
- Propane conversion orifice (all except model 80)

### Optional Equipment:

- Wall mounting kit
- LWCO (w/harness and test button)
- Concentric Vent Kit
- Condensate Neutralizer Kit
- Ultra Easy-Up Manifold



# ULTRA

## Series 4

## Specifications

RATINGS	Ultra 80	Ultra 105	Ultra 155	Ultra 230	Ultra 299	Ultra 399
CSA Input (Maximum)	80 MBH	105 MBH	155 MBH	230 MBH	299 MBH	399 MBH
CSA Input (Minimum)	16 MBH	21 MBH	31 MBH	46 MBH	62 MBH	80 MBH
DOE Heating Capacity	71 MBH	94 MBH	139 MBH	207 MBH	270 MBH	*364 MBH
Net AHRI	62 MBH	82 MBH	121 MBH	180 MBH	235 MBH	317 MBH
DOE AFUE	93.5%	94%	94%	94.1%	92.5%	*91.7%

\*Combustion Efficiency

DATA	Ultra 80	Ultra 105	Ultra 155	Ultra 230	Ultra 299	Ultra 399
Vent Size	2" or 3"	2" or 3"	3"	3" or 4"	4"	4"
Vent Material	PVC/CPVC/ PP	PVC/CPVC/ PP	PVC/CPVC/ PP	PVC/CPVC/ PP	PVC/CPVC/ PP	PVC/CPVC/ PP
Combustion Air Size	2" or 3"	2" or 3"	3"	3" or 4"	4"	4"
Water Volume	.69 Gal.	.82 Gal.	1.17 Gal.	1.57 Gal.	2.1 Gal.	2.1 Gal.
Approx. Shipping Weight	199 Lbs.	207 Lbs.	234 Lbs.	246 Lbs.	297 Lbs.	297 Lbs.

DIMENSIONS	Ultra 80	Ultra 105	Ultra 155	Ultra 230	Ultra 299	Ultra 399
Min. Recommended Pipe Size	1"	1"	1¼"	1¼"	1½"	1½"
Supply Tappings	1"	1"	1"	1"	1¼"	1¼"
Return Tappings	1"	1"	1"	1"	1¼"	1¼"
Gas Connection Size	½"	½"	½"	½"	¾"	¾"



\*80-299 Models

In the interest of continual improvements in product and performance, Weil-McLain reserves the right to change specification without notice. For reference use only – see product manual for detailed information.