

# Evergreen™

## SUBMITTAL SHEET

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

LOCATION \_\_\_\_\_

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

WHOLESALER \_\_\_\_\_

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

MODEL NO. \_\_\_\_\_ GAS TYPE \_\_\_\_\_

BTU/HR INPUT \_\_\_\_\_ BTU/HR OUTPUT \_\_\_\_\_

NOTES \_\_\_\_\_

### STANDARD FEATURES

#### Boiler

- Stainless steel fire-tube heat exchanger
- Non-metallic heat exchanger base
- Floor standing or wall-mount option with kit (220-399)
- Natural or LP gas
- Negative regulated combustion
- 5 to 1 turndown ratio (70-155)
- 10 to 1 turndown ratio (220-399)
- Boiler circulator
- Propane conversion kit
- Low water cut-off
- Water treatment- inhibitor & test kit

#### Control Features

- Easy installation with Setup Wizard
- Zone and/or priority based control
- Three thermostat inputs
- Outdoor reset for each priority
- Rate adjustable per priority
- 0-10V input (modulation or setpoint)
- Four total outputs
  - 1 dedicated boiler circulator output
  - 3 additional outputs can be used with circulators, dampers or system aux
- Aux inputs - flow switch or end switch

- Aux outputs - system pump or damper
- Modbus connectivity
- Additional heat demand contact

#### Multiple Boiler Features

- Up to 8 boilers, multiple system
- Series, Parallel or SmartSequencing®
- Lead boiler rotation
- 2 network priorities for the system
- 2 local priorities per boiler
- 24 zone inputs and outputs with 8 total cascaded boilers
- Aux inputs - flow switch or end switch
- System aux outputs - system pump or damper

#### Venting\*

- Direct vent 100 ft. for intake and 100 ft. for vent
  - Dual pressure zones (220-399)
  - Common combustion air
- \*Please call your Weil-McLain® technical representative for additional venting options.*

#### Jacket Assembly

- Fully removable jacket front door
- Adjustable boiler legs

- Mounting bracket ready for wall-mount kit (ships standard 70-155; optional kit 220-399)
- Condensate trap

#### Boiler Circulators

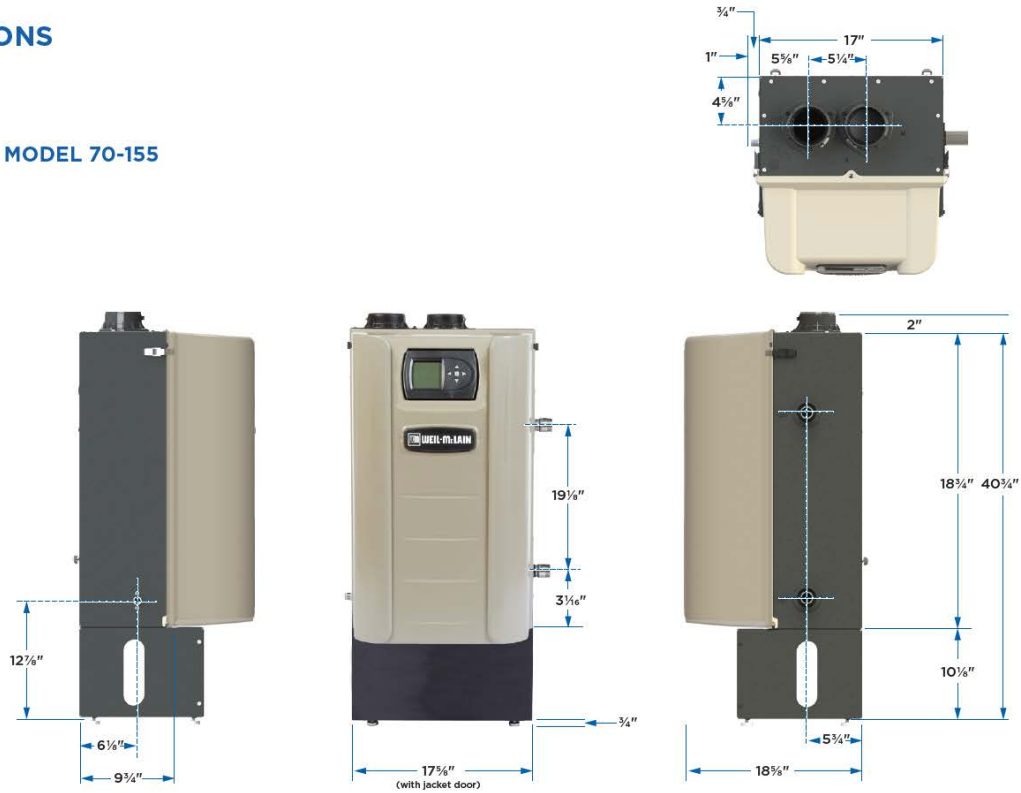
- Taco ECM 007e (70/110)
- Taco ECM 0015e (155)
- Taco 0014 (220/299)
- Taco 0013 (399)

#### Optional Equipment

- Wall-mount kit (220-399)
- Concentric vent kit
- Condensate neutralizer kit
- Sidewall vent/air termination kit
- Maintenance kits

**DIMENSIONS**

**MODEL 70-155**



**MODEL 220-399**



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## SPECIFICATIONS

MODEL	EVG 70	EVG 110	EVG 155	EVG 220	EVG 299	EVG 399
CSA INPUT (MBH)	70	110	155	220	299	399
DOE HEATING CAPACITY (MBH)	65	101	143	206	280	383*
NET AHRI (MBH)	57	88	124	179	243	333
DOE AFUE	95.2%	95.0%	95.1%	95.0%	95.0%	96.5%*
VENT MATERIAL	PVC, CPVC, PP, SS (AL29-4C)	PVC, CPVC, PP, SS (AL29-4C)	PVC, CPVC, PP, SS (AL29-4C)	PVC, CPVC, PP, SS (AL29-4C)	PVC, CPVC, PP, SS (AL29-4C)	PVC, CPVC, PP, SS (AL29-4C)
VENT/COMBUSTION AIR CONNECTION DIAMETER	3"	3"	3"	4"	4"	4"
VENT/COMBUSTION AIR PIPE SIZE	2" or 3"	3"	3"	3" or 4"	4"	4"
VENTING LENGTH	100'	100'	100'	100'	100'	100'
MIN. RECOMMENDED PIPE SIZE	1"	1"	1¼"	1¼"	1½"	1½"
SUPPLY/RETURN TAPPING	1"	1"	1¼"	1½"	1½"	1½"
GAS CONNECTION SIZE	½"	½"	½"	¾"	¾"	¾"
APPROX. SHIPPING WEIGHT (Lbs.)	125	125	145	215	260	260
WATER VOLUME (Gal.)	2.5	2.5	3.2	4.6	7.0	6.7

*\*Evergreen 399 ratings are gross output and combustion efficiency*

