



HIGH-EFFICIENCY CONDENSING BOILER

Water | Natural/Propane Gas | 220-399 MBH | 3 Sizes

Direct Vent | 95% AFUE*

**Evergreen 399 rating is combustion efficiency*

SUBMITTAL SHEET

JOB NAME _____

LOCATION _____

ARCH. / ENGR. _____

WHOLESALE _____

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
- Natural or LP gas
- Negative regulated combustion
- 10 to 1 turndown ratio
- Boiler circulator
- Propane conversion kit
- Low water cut-off
- Sentinel X100 inhibitor and test kit
- Low NOx < 20 PPM

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
 - Common combustion air
- *Please call your Weil-McLain® technical representative for additional venting options.*

Jacket Assembly

- Easy maintenance with top access panel
- Fully removable jacket front door

- Adjustable boiler legs
- On/off power switch
- Line voltage service receptacle
- Mounting bracket ready for wall-mount kit
- Condensate trap

Boiler Circulators

- 1-1/4" & 1-1/2" flanges (220/299) Taco 0014
- 1-1/4" & 1-1/2" flanges (399) Taco 0013

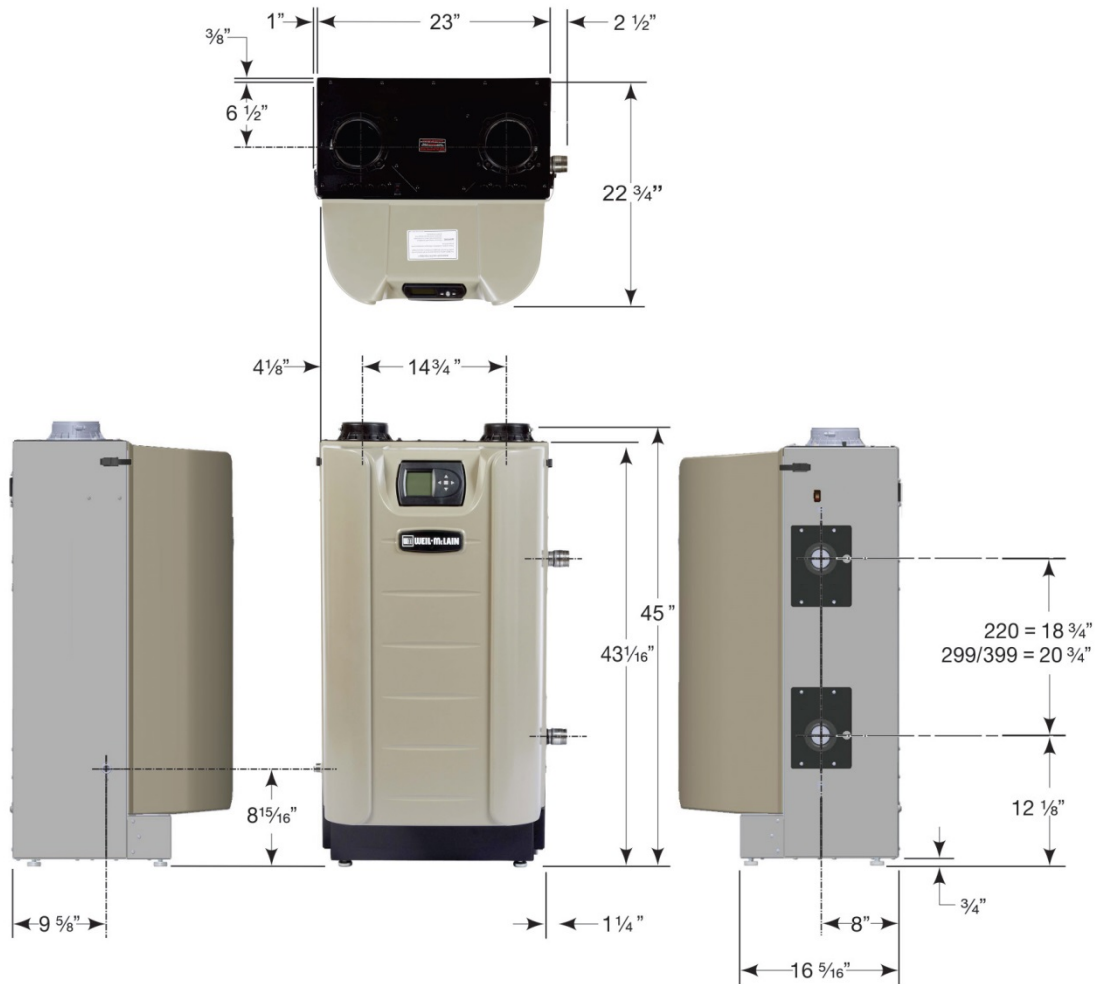
Optional Equipment

- Wall-mount kit
- Concentric vent kit
- Condensate neutralizer kit
- Sidewall vent/air termination kit
- Maintenance kits

Warranty

- Residential use:
- 12 year heat exchanger
 - 2 year parts
- Commercial use:
- 10 year heat exchanger
 - 2 year parts

220-399 MBH SPECIFICATIONS



MODEL	CSA INPUT (MBH)	DOE HEATING CAPACITY (MBH)	NET AHR (MBH)	DOE AFUE	VENT MATERIAL	VENT SIZE	COMBUSTION AIR SIZE	VENTING LENGTH	MIN. RECOMMENDED PIPE SIZE	SUPPLY / RETURN TAPPING	GAS CONNECTION SIZE	APPROX. SHIP WEIGHT	WATER VOLUME
EVG 220	220	206	179	95.0%	PVC, CPVC, PP, SS (AL29-4C)	3" or 4"	3" or 4"	100'	1 1/4"	1 1/2"	3/4"	215 lbs.	4.6 Gal.
EVG 299	299	280	243	95.0%	PVC, CPVC, PP, SS (AL29-4C)	4"	4"	100'	1 1/2"	1 1/2"	3/4"	260 lbs.	7.0 Gal.
EVG 399	399	383*	333	96.5%*	PVC, CPVC, PP, SS (AL29-4C)	4"	4"	100'	1 1/2"	1 1/2"	3/4"	260 lbs.	6.7 Gal.

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