

AERCO Low NOx Esteem 399 Gas Fired Hot Water Boiler

FEATURES

- ✓ Condensing Boiler
- ✓ 3.6:1 Turndown
- ✓ 439 Stainless Steel Heat Exchanger
- ✓ Whisper Quiet Operation <50dBa
- ✓ Direct or Conventional Vent with Polypropylene, PVC, CPVC or AL29-4C Materials
- ✓ Minimal Space Requirements . Compact Size, Wall Hanging
- ✓ Outdoor Temperature Sensor
- ✓ Superior Reliability



DESCRIPTION

The AERCO Esteem 399 is a wall-hung boiler with a uniquely designed stainless-steel heat exchanger with 95% efficiency. It offers all the benefits of the new generation high efficiency, modulating, condensing boilers along with easy installation, low maintenance and high reliability.

At the heart of the AERCO Esteem 399 is a 439 stainless steel fire tube heat exchanger. This highly corrosion resistant heat exchanger is perfect for all condensing Hydronic heating designs. The design of the heat exchanger tube creates flue gas and water turbulence which maximizes thermal efficiency.

The AERCO Esteem has a premix air/fuel blower and a high grade stainless steel burner that is capable of modulating the firing rate from 28% to 100% allowing the boiler to closely match your heating needs without short cycling or reducing efficiency. The burner features a long life, quiet operation, reliable spark ignition, and clean combustion for low NOx applications.

The AERCO Esteem 399 also offers a smart and convenient 4-digit user interface module displays system stats and fully adjustable parameter values as well as diagnostic codes for easy troubleshooting and optimum system performance.

This superior design provides you with a heat source that you can install with confidence that will run at peak efficiency for many years with minimal maintenance.



PERFORMANCE SPECIFICATIONS

Model Number	Fuel	Input Modulation	Thermal Efficiency%	Heating Capacity	Water Volume Gal.
EST 399	Natural Gas or Propane	112,000 to 399,000	95.1%*	379,000	7

*Based on the BTS 2000 test standard as verified by AHRI

CONNECTIONS / DIMENSIONS / DATA

Model Number	Supply / Return Connections	Gas Connection	Vent / Air Diameter	Dimensions D X W X H	Weight lbs.
EST 399	1 ½+	1+	4+	20 ¾+X 24 ¾+X 37 ½+	200

SPECIFICATIONS

Model #	EST 399
Heating BTU/h	112,000 to 399,000
AFUE	95.1%
Type of Gas	Natural Gas or Propane
Gas Connections (NPT)	1+
Max. Gas Pressure	13+w.c
Min. Gas Pressure	5+w.c
Max. Allowed Working Pressure	30 psi
Electrical Req.	120V 15AMP service
Water Connections (NPT)	1.5+
Min. Water Flow at Max Firing Rate (GPM)	19 gpm
Min. Water Flow at Min Firing Rate (GPM)	6 gpm
Max. Water Flow (GPM)	38 gpm
Water Pressure Drop @ Max. Flow (PSI)	3.0 psi
Water Volume: Gallons	7
Water Volume: Liters	30
Turndown or Operating Range	3.6:1
Vent Size	4"
Vent Materials (as per local code)	Polypropylene, PVC, CPVC or AL29-4C
Temperature Control Range	60°F- 194°F
Maximum Noise Level	50 dba
NOx Emissions & Certification	12ppm at full fire, SCAQMD, TCEQ
Standard Listings and Approvals	ASME, ETL, CSD-1 (Optional)

Represented by:

