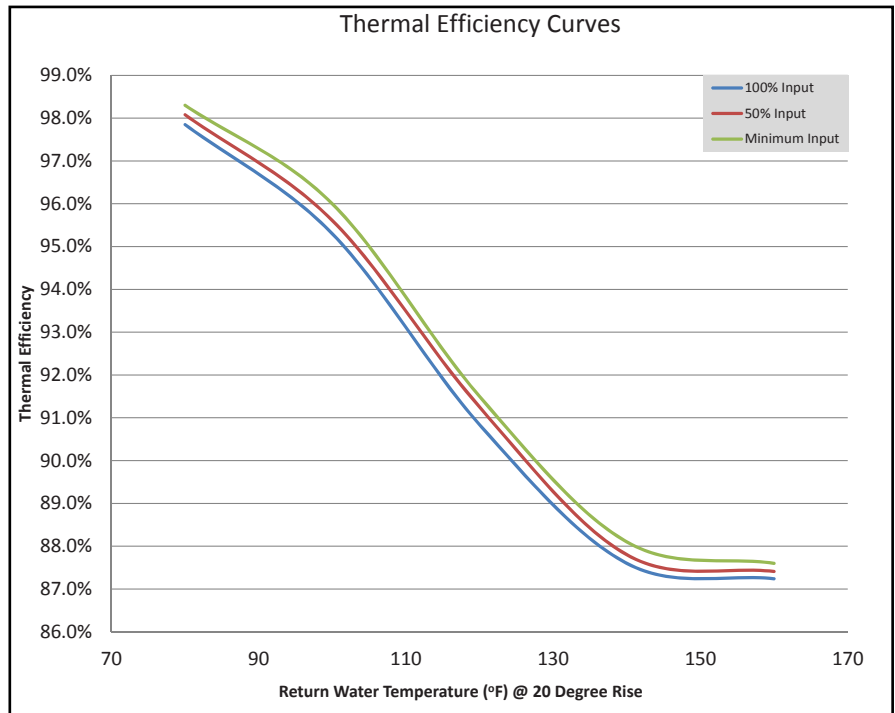




Benchmark Condensing Hydronic Boilers

AERCO is expanding its Benchmark series of high-efficiency boilers to include two new models- BMK750 and BMK1000. The expanded BMK SERIES (750 and 1000 mbh) delivers the highest burner turndown in the industry to achieve the highest seasonal efficiencies, as illustrated below.

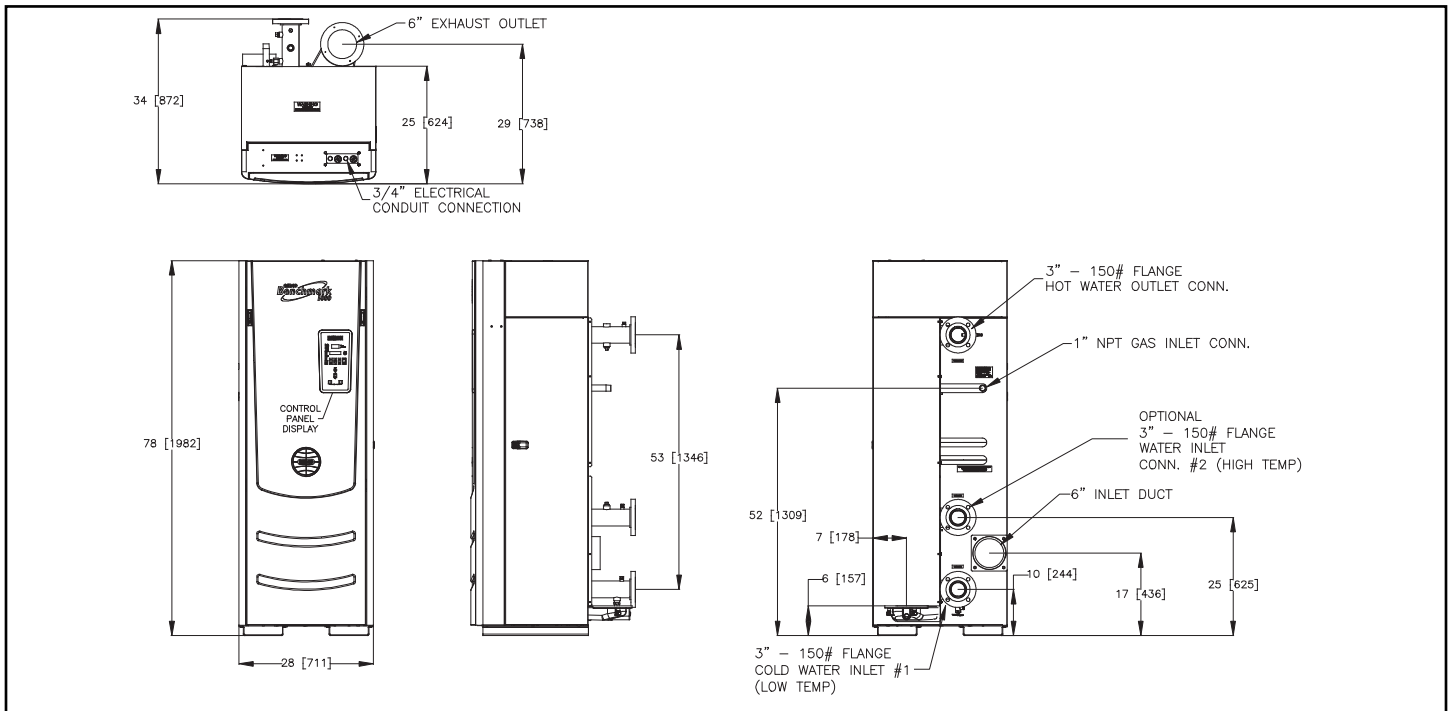
AERCO's Patent Pending, Oxygen Level (O₂) monitoring system, is available as an accessory on both models. When utilized this monitoring system, designed to display the O₂ level directly on the unit in real time, can also be remotely monitored via MODbus giving the customer the ability to monitor the boiler performance in the areas of emissions and fuel economy without traditional combustion calibration devices.



FEATURES:

- BMK 1000 - 20:1 Turndown Ratio (5%)
- BMK 750 - 15:1 Turndown Ratio (7%)
- Oxygen Level (O₂) Monitoring (optional)
- Stainless Steel Fire Tube heat exchanger
- Capable of variable primary flow Installations
- NOx Emissions 20 ppm or less @ all firing rate
 - 9ppm optional calibration (pending SCAQMD)
- Approved for zero-side clearance installation
- Compact Footprint (25"D x 28"W x 78"H)
- Precise Temperature Control
- High & Low Temperature System Return Connections (optional)
- Sealed Combustion Capable
- Easy Open Access for Service
- Acceptable vent materials AL29-4C, Polypropylene, CPVC, and PVC
- Reliable Quiet Operation
- Controls Options
 - Constant Setpoint
 - Indoor/ Outdoor Reset
 - Remote Setpoint
 - 4-20mA signal or ModBus

DIMENSIONS:



RATINGS AND DIMENSIONS:

Model	MBH Input (a)	MBH Output (a) (b)	AHRI Efficiency 80° to 180° F	Turndown	Width	Depth	Height	Water Volume (gal)	Weight (dry)	Weight (wet)
BMK750	750	653mbh-720mbh	95.5%	15:1	2'4"	2'10"	6'6"	16.25	669lbs	802lbs
BMK1000	1,000	870mbh-960mbh	96.8%	20:1	2'4"	2'10"	6'6"	14.25	700lbs	817lbs

(a) Altitude below 2000'. Apply altitude correction factor above 2000'.

(b) Output dependent upon application – see efficiency curves

SPECIFICATIONS:

ASME Working Pressure..... 160 PSIG
 Electrical Options..... 120/1/60 20 Amp (13 Amp FLA)
 Gas Requirements..... 14" W.C Maximum
 FM Gas Train 4.0" W.C. Min. @ Full Load
 DBB (IRI) Gas Train..... 4.5" W.C. Min. @ Full Load
 Water Connections 3" Flanged 150lb ANSI
 Vent/ Air Intake Connections..... 6 Inch
 Communications Protocol MODbus

Gas Connection 1" NPT
 Min./Max. Water Flow 25 GPM / 175 GPM
 Water Pressure Drop 3.0 PSIG @ 100 GPM
 Control Range 50°F to 190°F
 Ambient Temperature 0°F to 130°F
 Standard Listings & Approvals ... UL, CUL, CSD-1, ASME
 Gas Train Options..... FM Compliant or
 Factory Installed DBB (IRI)

Represented By:



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Specifications subject to change without prior notice.
 Consult website or contact AERCO.
 BMK SERIES 09/2012 NY