Natural or Propane Gas-fired Modulating Condensing Boiler

Qualifies for High Efficiency Federal Tax Credit!

95% AFUE

America’s Hottest Boiler Value!
An ISO 9001-2000 Certified Company
The Value of Efficiency

High efficiency is your solution to today's ever-increasing energy costs. As an ENERGY STAR Partner, Dunkirk is proud to offer the 95% AFUE Quantum 95M-200 gas-fired, condensing, hot water boiler.

The Quantum 95M-200 was the first 95% AFUE gas boiler available and the first to qualify for the U.S. Federal Government's $150 High Efficiency Homeowner Tax Credit.*

You should also check with your local utility company for the availability of additional rebates.

* For more information go to www.energystar.gov

Cost Saving Features

■ Infinitely Modulating Capacity from 80 to 200 MBH
An advanced microprocessor control continuously monitors supply and return water temperature, adjusting boiler output to match building load – ideal for applications with multiple zones.

■ Outdoor Temperature Reset
Additional savings with factory standard control, which adjusts the water supply temperature for best possible fuel economy based on actual seasonal conditions.

■ Domestic Hot Water Priority
Used with an indirect hot water heater, the UB95M saves energy by redirecting heat where and when it's needed. No waiting for hot water.

Annual Fuel Savings

The chart below can be used to estimate annual fuel cost savings for space heating when replacing an old inefficient boiler with a new condensing boiler.

Reduced Operating Costs

The Dunkirk Q95M's electrical operating costs are lower than other high efficiency boilers because no additional dedicated pump is required to serve the boiler which is typical of competitive products. An additional dedicated pump uses about the same amount of electricity as a 100 to 200 watt light bulb resulting in an additional savings of about $50 to $85 per year in electrical costs.*

* Actual savings may vary based on electrical cost per/kW HR. Savings estimate above based on $.10/kW HR.
The “Dealer-Driven Design” of the Q95M-200 is engineered with installation flexibility and convenience that benefit both the installer and the homeowner.

- No Primary/Secondary dedicated piping arrangement required - One circulator can service boiler and all zones.
- Intake & Flue gasses can be piped with readily available 3" PVC to 60 equivalent feet.
- Option of left, right or rear exit for return plumbing and gas piping.
- Piping connection options on rear and top of units facilitate multiple boiler installations with boilers located in close quarters.
- Integral Condensate Trap (No Field Assembly Required).
- Standard 115V convenience outlet.

**Contractor Benefits**

- **EASY INSTALLATION.**
- Ideal for high efficiency replacement jobs, new homes, radiant heating, and domestic hot water applications.
- No need to design / layout system (utilizes existing plumbing).*

* May require direct venting installation in homes not equipped for direct vent

**Q95M-200 Installation Features**

- Low Pressure Drop, ASME Certified Monoblock Cast Aluminum Heat Exchanger – lightweight and corrosion resistant.
- Digital display/user interface for real time operating diagnostics and programming information.
- Easily accessible front mount controls.
- Low Water Cut Off Control
- Factory installed, probe type, LWCO accurately senses water level to help prevent dry firing. Meets local codes requirements.
Natural or Propane Gas-Fired Modulating Condensing Boiler

Specifications

- Gas Fired Direct Vent Condensing Hot Water Boiler
- Uses natural or LP gas
- May be installed on combustible flooring (No Carpets)
- 8" clearance to rear, 1" clearance to top, front, left side, right side and base to combustible construction
- Option of left, right, or rear exit for return plumbing and gas piping
- 8" clearance to side where exits for air intake, gas, water and electrical installation
- 8" clearance to top, 24" clearance to front and left side, 12" clearance to rear for service
- 0" clearance for vent and air intake pipes to combustible clearances
- Water content in heat exchanger is 2.6 gallons.

Connections

- 120 Volts AC, 60 hertz, 1 phase, less than 12 amps
- Vent pipe and air intake pipe
  - Vent Pipe - first 2.5 feet is schedule 40 2" CPVC (provided), then schedule 40 3" PVC
  - Air intake – schedule 40 3" PVC
- Water In/Out ...................... 1-1/4" NPT
- Gas In ................................ 1/2" NPT
- Condensate Drain ................... 1/2" PVC
- Vent length runs – minimum of 15 ft. with a maximum of 60 equivalent ft.

Standard Equipment

- Aluminum monoblock boiler with painted metal and plastic jacket
- High limit Aquastat
- Circulator (Taco 007 or Grundfos) with isolation ball valves
- Manual reset LWCO
- Pressure gauge
- Temperature display
- 30 psi ASME rated relief valve
- Air purge vent
- Service switch
- Service receptacle outlet
- Microprocessor based modulating control
- Ceramic coated modulating burner
- Modulating automatic gas valve
- Modulating blower
- Direct Spark Igniter
- Manual Reset casting temperature switch
- Air proving / blocked vent safety assembly
- Integral condensate trap
- Outdoor Temperature Sensor with cover
- LP Conversion Kit standard

Options

- Concentric Vent Kit
- GCI-1002 – Accessory to allow for PC diagnostic interface
- HAM Kit – Accessory for use to interface with multiple boiler control systems

QUANTUM 95M-200 RATINGS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>INPUT (MBH)</th>
<th>HEATING CAPACITY (MBH)</th>
<th>I=B=R NET RATING (MBH)</th>
<th>AFUE (%)</th>
<th>FLUE DIAMETER</th>
<th>SHIPPING WEIGHT (LBS.)</th>
</tr>
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<tbody>
<tr>
<td>Q95M-200</td>
<td>Max 200</td>
<td>190</td>
<td>165</td>
<td>95</td>
<td>3&quot;</td>
<td>284</td>
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<tr>
<td></td>
<td>Min 80</td>
<td>76</td>
<td>66</td>
<td>95</td>
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USA Homeowner Assistance: 866-847-6656
USA Contractor Assistance: 800-325-5479

The cost savings data presented in these materials is included for demonstration purposes only, and does not constitute a guaranty of performance of any product. The cost savings data is estimated based on certain assumptions with respect to climate, energy costs and other factors. Actual results and savings will vary depending on these and other causes.