

Job: _____
 Engineer: _____
 Contractor: _____
 Prepared By: _____ Date: _____
 Model: _____

Condensing 90+ XPak™ Residential Hydronic Heating Boilers Models 85 & 120

Applications

- Radiant Heating
- Hydronic Space Heating
- Snow Melting
- DHW via indirect

High Efficiency

Infinitely modulating, Condensing design meets or exceeds Energy Star Standards.

Low Emissions

Low NOx design meets all current Green Legislation in North America.

Factory Installed Circulator w/ Bypass and Condensate Siphon

Thermostatically-controlled circulator maintains proper flow through the boiler. As a packaged system, installation is fast and easy. Twin chamber ball type Siphon, the best flue seal.

Electronic Ignition

Direct Spark Ignition

Compact, Lightweight Design

Mounts easily onto walls without heavy bracing.

Easy to Plumb, Easy to Service

Vent on top. Inlet and outlet water piping, gas connections, wiring and condensate drain at bottom. Controls are up front for easy access.

Safe Operation

Sealed combustion chamber runs cool and sensors shut down the boiler in the event of a fault.

Electronic Thermostat with Diagnostics

Electronic solid state thermostatic control operates the boiler in the most efficient manner. Faults are displayed on two digit display.

Whisper Quiet Operation

Less than 60 dba

DHW Temp Controller Up Front



Heat Exchanger

- ASME Inspected and Stamped 45 PSIG
- National Board Approved
- Extruded 6063-T1 Aluminum Alloy Single Pass Heat Exchanger
- 45 PSIG ASME Pressure Relief Valve
- Pressure Gauge
- 3 Speed Non-Ferrous Pump 120 VAC, Mounted
- Two Automatic Air Vents

AFUE Ratings

| Model | AFUE |
|-------|------|
| 85 | 90.3 |
| 120 | 90.5 |

Controls

- 120V, 60Hz, 1φ Power Supply
- 120/24V Transformer
- Electronic, Direct Spark Ignition (DSI)
- 100% Flame Monitor Shut-off/Lockout
- High Limit Control
- Operating Limit Control
- Pressure Switch
- Condensate High Level Sensor
- Flue Sensor
- Flue Limit

Venting Options

- AL29-4C Stainless Steel Vent
- CPVC Plastic Vent
- Polypropylene Plastic Vent
- Concentric Vent or Twin Penetrations
- Horizontal or Vertical Vent

Gas Control Train

- Natural Gas (Propane Conversion Kit w/ Every Unit)
- 4 to 1 Modulation
- Zero Governor Gas Valve
- Manual Gas Shut-Off Valve
- Redundant Valve Feature
- Negative Pressure Gas Regulator

Construction

- Indoor Construction
- Enclosed Front Controls
- Cylindrical Stainless Steel Burner
- Appliance Grade Finish

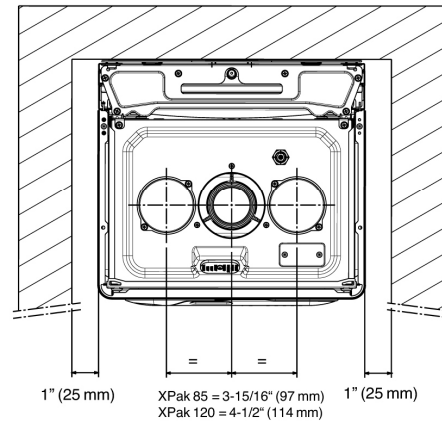
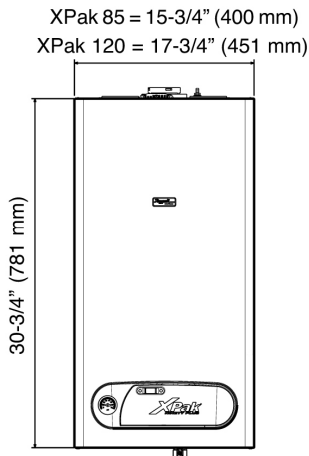
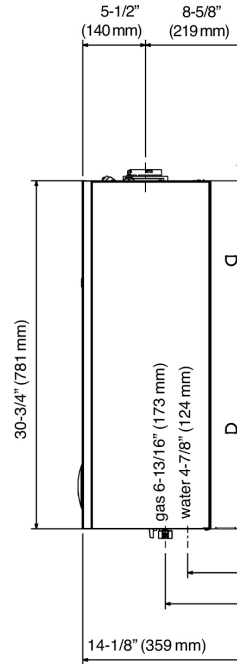
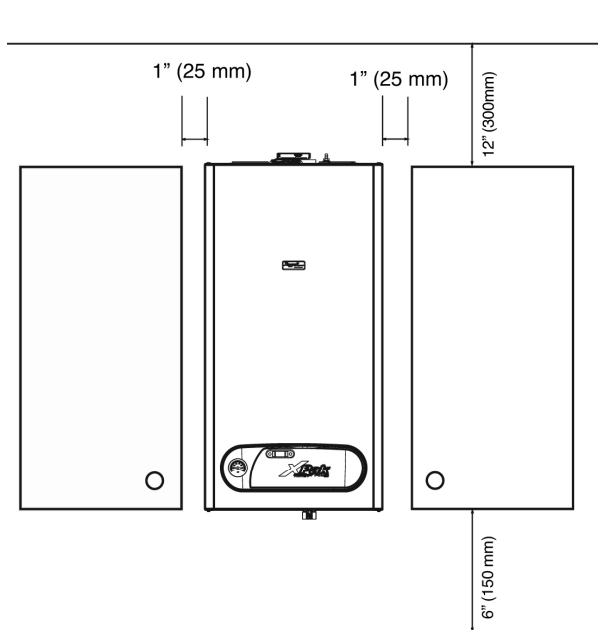


Raupak
 A Rheem® Company

Raypak XPak Residential Hydronic Heating Boilers

Model _____

Models 85 & 120



| Model | Input MBTUH | Heating Capacity MBTUH | AFUE (%) | NET AHRI Rating MBTUH | Piping Connections | | Vent Diameter | Approx Shipping Weight lbs (Kgs) | Clearances from combustibles | | | |
|----------|-------------|------------------------|----------|-----------------------|--------------------|---------|---------------|----------------------------------|------------------------------|-------------|-----|-----------|
| | | | | | Water NPT | Gas NPT | | | Front | Other Sides | Top | Flue Vent |
| XPak 85 | 87 | 78 | 90.3 | 67 | 3/4" | 3/4" | 3" | 84 (38) | 0" | 1" | 0" | 0" |
| XPak 120 | 120 | 108 | 90.5 | 94 | 3/4" | 3/4" | 3" | 93 (42) | 0" | 1" | 0" | 0" |

Note:

- DHW capability provided via following options: three way valve or pump and indirect tank

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