BAXI

# BAXI LUNA
# Duo-Tec 1.48 GA

## BAXI LUNA Duo-Tec 1.48 GA
## Condensing Gas Fired Wall Mounted Boiler

| | |
|---|---|
| Job Name | |
| Location | |
| Mechanical Contractor | |
| Architect/Engineer | |
| Wholesaler | |
| Model Number | |
| Gas Type | |

NOTES:

### Built in Features:

- Up to 95% AFUE
- Iron-Chromium stainless steel burner with superior resistance to high temperature scaling, embrittlement and loss of corrosion resistance
- Iron-Chromium stainless steel heat exchanger that resists corrosion and high temperature oxidation in burner and boiler applications
- Automatic burner setup to get highest efficiency
- Automatic air purge
- Electronic, direct spark gradual ignition with no standing pilot light.
- Field convertible from National gas to Propane with Gas recognition function
- Factory supplied horizontal coaxial termination and 90° elbow
- Differential pressure switch (low water cutoff)
- Domestic hot water priority (when optional indirect tank sensor is used)
- Heating supply temperature sensor
- 2 speed Boiler circulating pump (Grundfos)
- Pump seize protection
- 30 psi pressure relief valve
- Frost protection
- Heat exchanger thermo fuse
- Two stage flue temperature sensor
- Automatic self-diagnostics, featuring easy to view control panel with back-lit digital display that pinpoints operational and diagnostic status and facilitates troubleshooting.
- Legionella prevention function.
- All boiler piping connections are factory supplied union connections with shut off valves.

### Optional Features:

Baxi Room Unit Wi-fi thermostat

Indirect Tank Sensor Kit

Outdoor temperature sensor

Coaxial to Dual flue venting system boiler adapter

Baxi N.A.
2201 Dwyer Avenue, Utica, NY 13501
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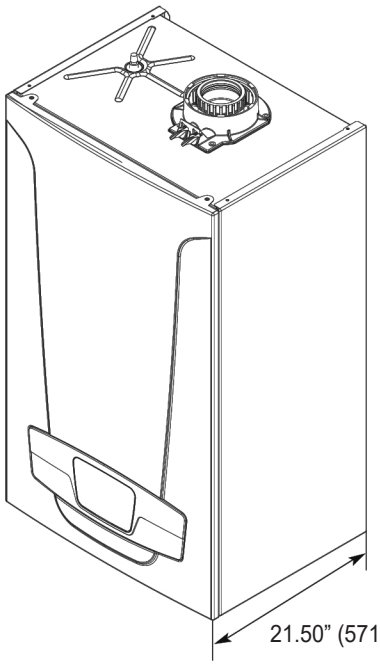
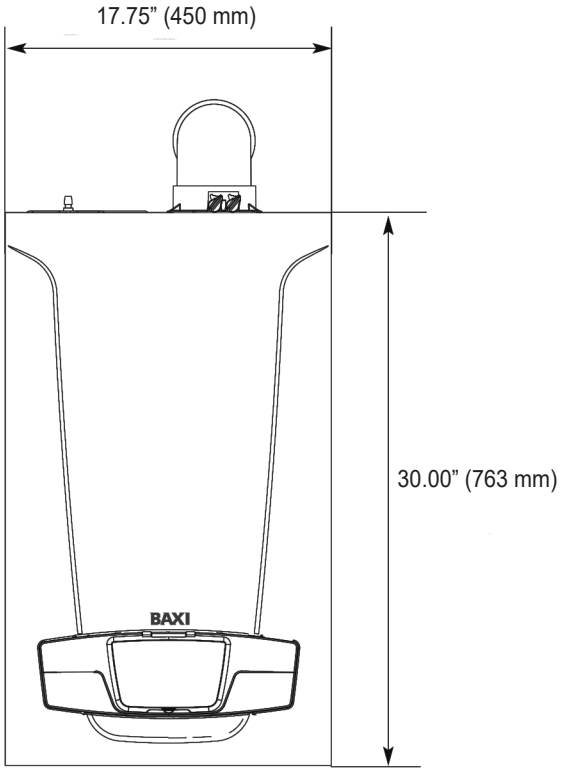
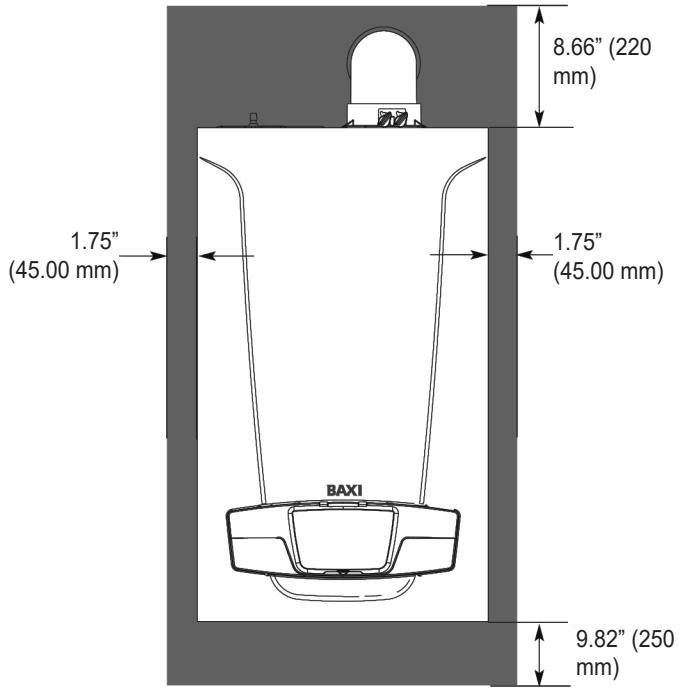
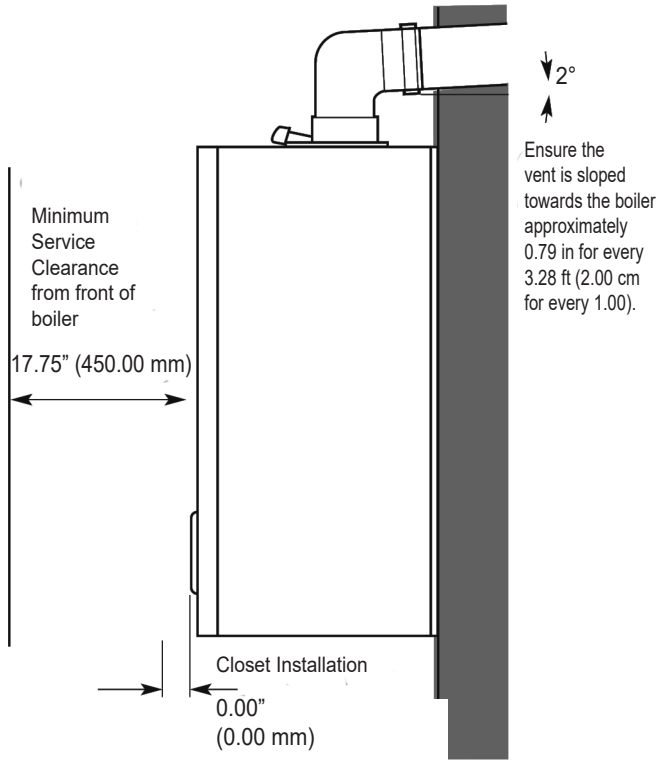
## BOILER DIMENSIONS




## CLEARANCES

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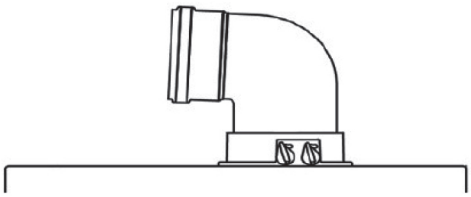
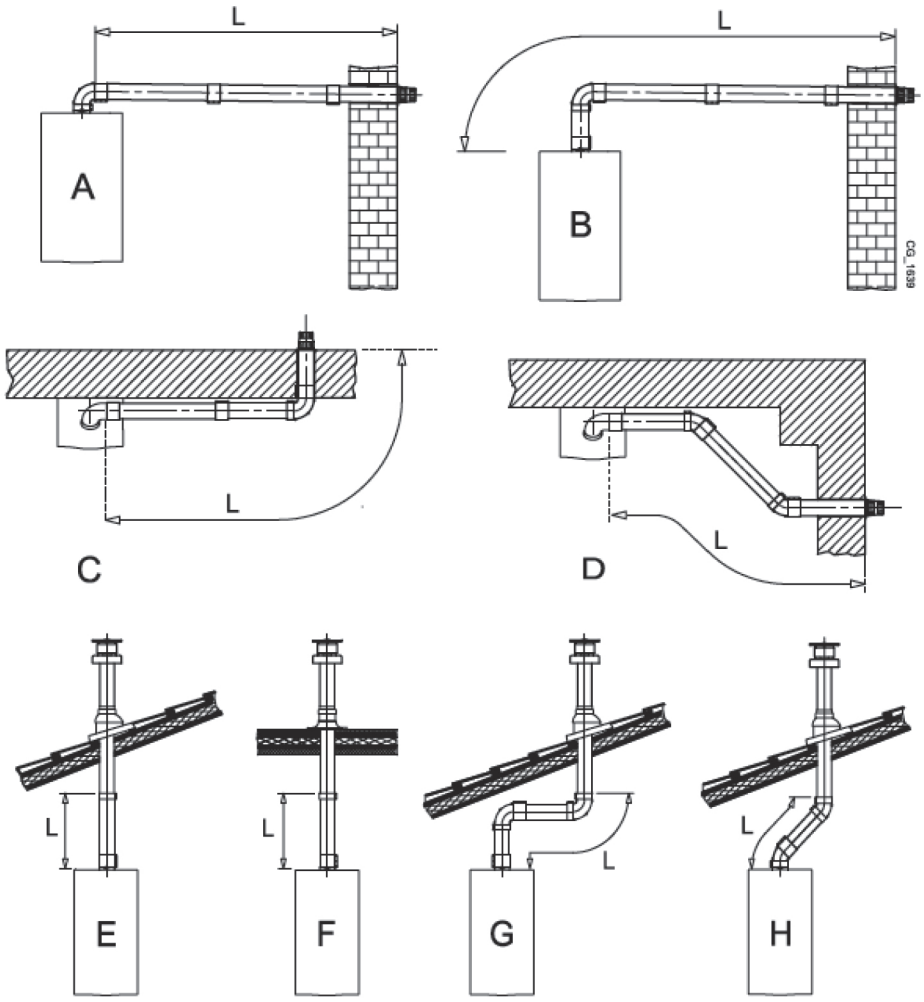
## VENTING OPTIONS

Please refer to the installation manual section 4. VENT SYSTEM for more information.

### Concentric Venting - Ø 125mm/80mm



| | |
|---|---|
| **A B** | Lmax = 32.80 / 10.00 mm - 80/125 mm |
| **C D** | Lmax = 29.52 / 9.00 mm - 80/125 mm |
| **E F** | Lmax = 32.80 / 10.00 mm - 80/125 mm |
| **G** | Lmax = 26.24 / 8.00 mm - 80/125 mm |
| **H** | Lmax = 29.52 / 9.00 mm - 80/125 mm |

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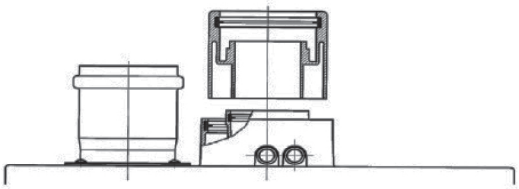
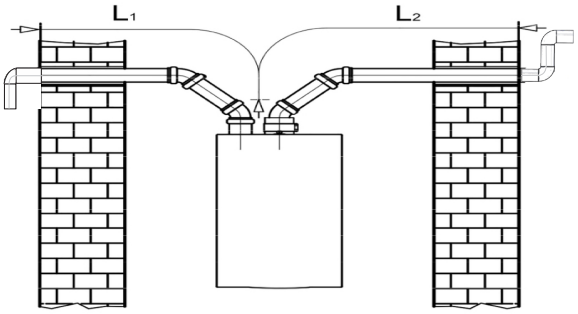
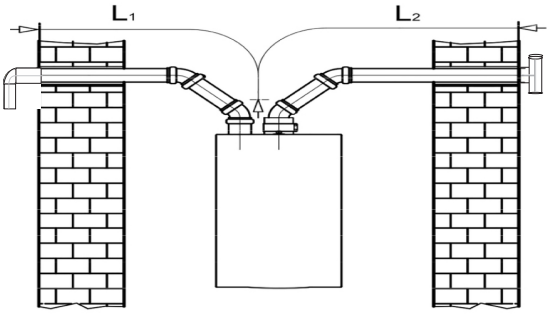
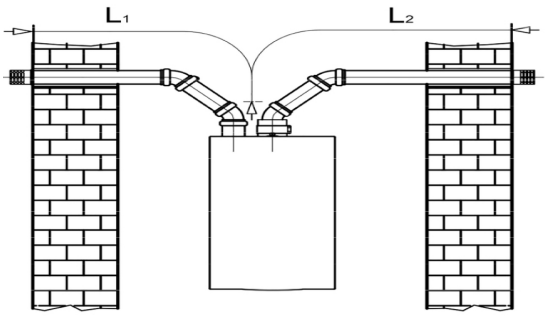
## Dual Flue Venting - BAXI Polypro Venting Ø 80 mm or 3” CPVC S636






L1 MAX = 49.2 ft / 15.00 m
L2 MAX = 147.6 ft./45.00 m
L1 + L2 = 196.8 ft. / 60.00 m

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| Baxi Luna Duo Tec 1.48 GA | | | |
|---|---|---|---|
| ***Central Heating*** | **MAX** | | **MIN** |
| Altitude (ft) | 0-2000 | 2000-4500 | - |
| Heat Input (BTUH) | 164,000 | 147,000 | 29,500 |
| Heat Output (BTUH) | 153,000 | 137,000 | 23,000 |
| $CO_2$ Setting Natural Gas (%) | 9.0 | 9.0 | 9.0 |
| Gas Rate Natural Gas ($ft^3/h$) | 152.55 | 136.74 | 27.44 |
| $CO_2$ Setting LP Gas (%) | 10.0 | 10.0 | 10.0 |
| Gas Rate LP Gas ($ft^3/h$) | 65.6 | 58.8 | 11.8 |
| CH Water Temp (°F) | 176 | | |
| Supply Connection (inches) | 1 NPT | | |
| Return Connection (inches) | 1 NPT | | |
| ***Central Heating System*** | | | |
| Max. System Pressure (psi/bar) | 30 / 2.11 | | |
| Min. System Pressure (psi/bar) | 7.25 / 0.5 | | |
| Max. System Temperature (°F) | 176 | | |
| Pressure Relief Setting (psi/bar) | 30 / 2.11 | | |
| Recommended System Pressure Cold (psi/bar) | 21.7 / 1.5 | | |
| Expansion Tank size (pre-charge pressure) | 2.2 gal (US) at 11.6 psi | | |
| ***Electrical*** | | | |
| Supply Voltage | 120v 60Hz | | |
| Power Consumption (Watts) | 173 | | |
| Internal Fuse (Amps) | 3.15 | | |
| ***General*** | | | |
| Gas Connection (inches) | 3/4 NPT | | |
| Lift Weight (lbs) | 113 | | |

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