

# Introducing The New Standard of High Efficiency Wallhung Boilers



Reviewed for Code Compliance  
Inspections Division  
Approved with Conditions  
Date: 02/23/15

# BAXI



## Baxi Luna Duo-Tec

- ◆ 7:1 modulation ratio promotes savings in fuel use and utility bills
- ◆ Gas-adaptive control ensures continuously optimum combustion
- ◆ Self-calibration function ensures precise set-up and commissioning

# Baxi Promises Quality, Reliability and Optimal Heating Comfort

Baxi's track record for manufacturing leading wallhung boiler technology spans four decades. Now, as other boiler manufacturers try to enter the category, Baxi innovation presents a significant leap forward in proven, reliable wallhung heating for homeowners and commercial property managers.

Field tested throughout North America, the new Baxi Luna Duo-Tec wallhung boiler features a 7:1 modulation ratio, plus gas-adaptive and self-calibrating advances. Up to 98 per cent energy efficient, it is ideal for a range of applications – from in-floor radiant and hydro-air (teamed with a hydronic air handler for both heating and cooling) to high or low temperature radiators and snowmelt systems.

## Sustainable Savings

- ◆ Its 7:1 modulation ratio generates significant savings in both fuel use and utility bills.
- ◆ Approved for closet installation, the boiler frees up valuable living space.
- ◆ A low-NOx, no-lead content heating appliance, the Luna Duo-Tec emits 90% less CO and 80% less NOx pollutants into the environment.

## Reliable Comfort

- ◆ Built-in gas-adaptive and self-calibrating elements enable precise set-up and commissioning.
- ◆ The built-in controller regularly checks for optimal combustion, providing high efficiency throughout the life of the boiler.
- ◆ The combination heating and domestic hot water model produces endless domestic hot water only, at a flow rate of 3.9 gallons per minute.

## Peace of Mind

- ◆ An optional 10-year extended parts and labor warranty is available to property owners through Baxi trained and certified heating and plumbing contractors.
- ◆ Baxi safety assurance starts with factory testing. The boiler was also field tested at 18 locations throughout North America.
- ◆ Baxi Luna Duo-Tec boilers are Energy Star listed and CSA approved, bearing the ASME H-Stamp.

# Always Be Certain with Baxi Luna Duo-Tec

## Baxi Luna Duo-Tec modulating, condensing boilers can be connected with...



*Solar Water Heating with Indirect Storage Tanks*



*Hydronic Air Handler*



*Designer High Output Radiators*



*Heated Towel Warmers*



*Modulo*

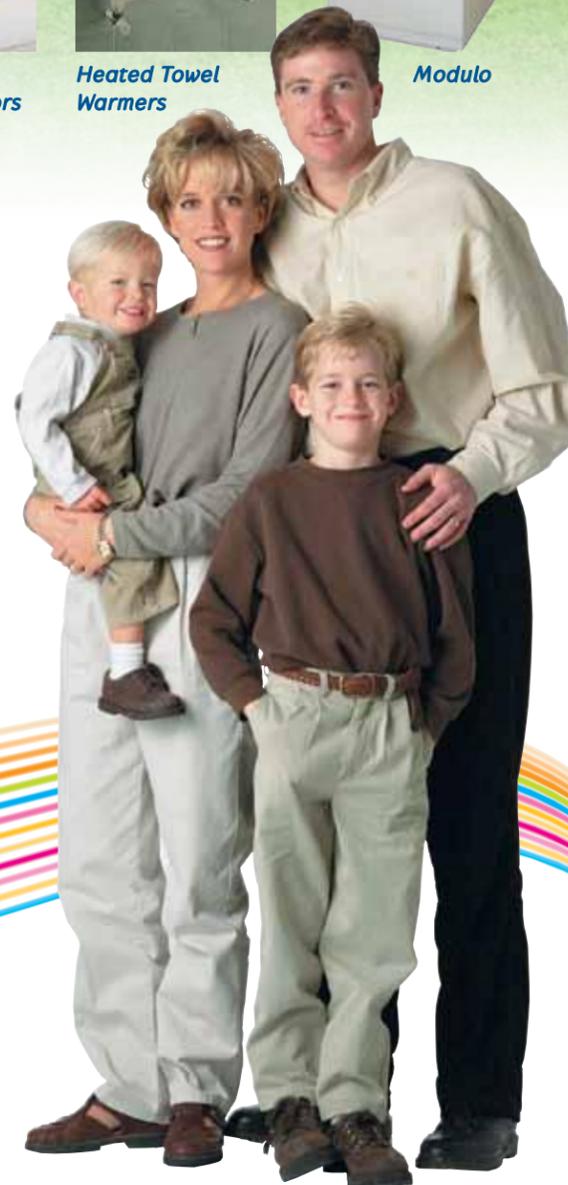
## Optional Accessories



*Baxi 4-to-1 Multi-Zone Controller (MLC 30B) can manage up to four non-mixed zones, each with its own thermostat*



*Baxi Remote RC Modulating Controller operates as a room thermostat and enables remote review of boiler information and setting of parameters*



Luna Duo-Tec Field Test



Reviewed for Code Compliance  
Inspectors Division  
Approved with Conditions  
Date: 02/23/15

# Baxi Always Safety First

Marathon International, the North American distributor of Baxi products, worked successfully with Baxi engineers and Baxi-certified contractors at 18 winter and shoulder season field test sites for the products throughout North America.

Baxi always puts safety first, starting with thorough factory testing of each built-in component of a gas-fired Baxi boiler. Marathon International and its representatives throughout North America promote Baxi training and certification among top heating and plumbing contractors with gas experience.

Baxi certified contractors involved in the Baxi Luna Duo-Tec field testing unanimously applauded the automatic gas-adaptive and self-calibrating capability and 7:1 turndown

as key safety and performance assurance. At installation, an installer verifies that the boiler has intelligently determined that the source of gas is either natural gas or propane. The interactive control panel on the front of the boiler verifies that all boiler parameters are set up with pinpoint accuracy. This self-calibrating feature is repeated regularly throughout the life of the boiler, ensuring the highest level of performance efficiency possible.



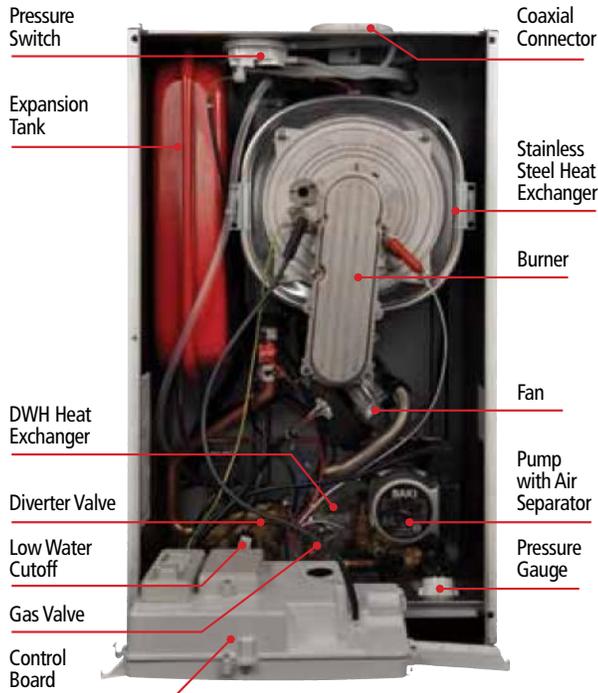
Finally, the digital control panel on the front of the boiler helps Baxi certified service technicians maintain the boiler and address any operating anomalies quickly and accurately.

These safety components further underscore why Baxi homeowners can **always be certain** they have the most efficient and safest wallhung boiler available.

# Built-In Value Added



Reviewed for Code Compliance  
Inspections Division  
Approved with Conditions  
Date: 02/23/15



*Baxi Luna Duo-Tec is a high efficiency modulating, condensing wallhung boiler with multiple built-in safety and performance enhancing components.*

- ◆ 7:1 turndown ratio (134,000 to 18,000 BTU/hr) enhances versatility and efficiency
- ◆ Automatic gas-adaptive and self-calibrating enhance combustion efficiency and lower fuel costs
- ◆ Two-speed modulating pump with built-in air vent generates up to 40% reduction in electrical use annually
- ◆ Stainless steel AISI 318 pre-mixing burner and heat exchanger (10-year warranty) assures longevity
- ◆ Stainless steel enhanced secondary heat exchanger (combi model) ensures condensation in domestic hot water mode
- ◆ Controller with large backlit digital display on front of boiler makes it easy to set up and service
- ◆ Pre-heat function helps eliminate cold water sandwich
- ◆ Ability to accept and increase heating of pre-heated solar water
- ◆ Frost protection, as well as pump and diverter valve seize prevention
- ◆ Approved for closet installation, saving valuable living space
- ◆ Ask a Baxi certified contractor about other built-in performance and safety features including high limit sensors, low water cut-off, shut off valves, pressure relief valve, system pressure gauge, expansion tank and auto bypass.

Baxi Luna High Efficiency Technical Notes			Baxi Luna Duo-Tec Residential Models		Baxi Luna HT Commercial Models		
			40 GA	1.33 GA	1.45	1.65	1.100
							
Rated heat input	BTU/hr		153,864	125,908	167,262	241,600	379,127
Reduced heat input	BTU/hr		21,838	21,838	55,618	73,361	112,980
Rated heat output	BTU/hr		136,486	136,486	153,546	221,789	348,039
Reduced heat output	BTU/hr		19,108	19,108	52,058	69,326	106,766
Sealed combustion chamber			yes	yes	yes	yes	yes
Ignition			electronic	electronic	electronic	electronic	electronic
Anti-frost device on heating circuit			yes	yes	yes	yes	yes
Maximum pressure on heating circuit	psi		43	43	30	30	30
Regulation of heating circuit water temperature	- high temp	°F/°C	176/80	176/80	86/180	86/180	86/180
	- low temp	°F/°C	113/40	113/40	86/113	86/113	86/113
Dimensions:	Height	in	30.04	30.04	37.40	37.40	37.40
	Width	in	17.71	17.71	23.62	23.62	23.62
	Depth	in	13.58	13.58	18.35	18.35	25.62
Coaxial/Dual flue tube	in/mm		2.36-3.93/60-100	2.36-3.93/60-100	3.15-4.92/3.15	3.15-4.92/3.15	4.33-6.30/4.33
Net weight	lbs		102	102	141	158	215
Gas type			NG/LP	NG/LP	NG/LP	NG/LP	NG/LP



Marathon International  
Exclusive North American Distributor for Baxi Products  
1815 Sismet Road, Mississauga  
Ontario L4W 1P9, Canada  
info@wallhungboilers.com

Baxi is ISO 9001 certified for quality management, OHSAS 18001 for health and safety management and ISO 14001 for environmental management.

The Company assumes no responsibility for any possible contents mistakes, and reserves the right to make changes in products, due to technical or commercial demands, at any time without notice.



[www.wallhungboilers.com](http://www.wallhungboilers.com)