



LABOR SAVER™ MANIFOLD INCLUDED



CONDENSING BOILERS

MAC COMBI MAH HEATING

with ARTIFICIAL INTELLIGENCE [AI]

SMARTER & EASIER
WITH 95% AFUE
EFFICIENCY

[AI] CONTROL

Self-Monitoring
Self-Adjusting
Self-Commissioning*



* Simply press two buttons to set up combustion. Analyzer not required, but recommended.







*Unit must be registered within 60 days from the date of original installation. All terms of Trinity Extended Service Agreement apply.











INTELLIGENT TECHNOLOGY

SMART CHOICE [for contractors and homeowners]

The MAC is an intelligent condensing approach to residential heat and domestic hot water.

The Utica High Efficiency Condensing Boiler uses [AI] ControlTechnology. The [AI] Control self commissions and continuously calibrates to ensure clean burning and optimum efficiency.

The [AI] Control measures water temperature, fluegas temperature, flame signal, and pressure that can impact the boiler operation and CO levels. The [AI] Control will automatically shut down operation should these values exceed normal operating levels. This provides added protection for you and your family.



Utica Boilers prides ourselves on safety. Though the [AI] Control indirectly monitors CO levels and acts accordingly, it is not a replacement for a CO Detector in your home.

[AI] CONTROL

- Digital Control with Graphic Display Boiler Status Temperature Display
- Diagnostics Automatically Adjusts for Fuel Type and Continuous Calibration

MODULATING TECHNOLOGY

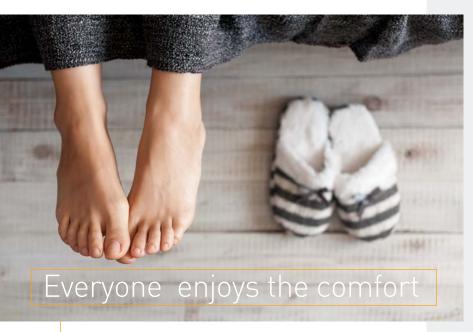
The [AI] Control automatically modulates the gas input to the burner.

During times when the domestic hot water or heating demand is high, the control increases the amount of gas in order to meet the requirement. During times when the load demand is less, the [AI] Control decreases the gas input to **only use the amount of fuel necessary.**

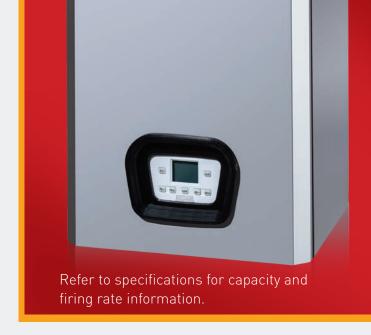
Self-Monitoring Self-Adjusting Self-Commissioning

OPTIMUM EFFICIENCY

[AI] modulation **saves energy** by reducing the amount of gas used. Homeowners enjoy comfort, energy savings, and **lower utility bills.**



- Homeowners enjoy comfort, energy savings, and lower utility bills.
- → Contractors enjoy the comfort of satisfied customers.



DID YOU KNOW...

...that the typical gas-fired water heater is **wasting energy** by constantly maintaining the temperature of the water in the tank?

It's true. So why spend money continually heating water that you're not even using? There is a **better modern solution** when replacing your heating boiler. Consider a **MAC combination boiler** or, "combi boiler."

The benefits of the MAC combi boiler include:

- the highest efficiency level at 95% AFUE
- space savings/wall mounted
- the ability to both heat your home as well as provide your domestic hot water needs
- eliminates the wasted energy associated with traditional gas water heaters
- **MONEY SAVINGS.** By automatically modulating the gas input to the heating level that is needed, the boiler system operates at optimum efficiency, **resulting in savings for you.**

The MAC combi boiler provides both your home heating needs and your domestic hot water needs in **one** super-efficient on-demand appliance.



EXCEPTIONAL SUPPORT

When it comes to support, Utica Boilers offers service that's beyond compare.

Our US-based support team is here for you AND your customers.

Our **Dealer Portal** offers a variety of resources, including tutorial videos and product specifications to help you every step of the way, from installation to maintenance to repair. www.uticadealer.com

Utica condensing boilers come with a **FREE** LABOR SAVER™ manifold, warranty, and support matched by no other manufacturer.



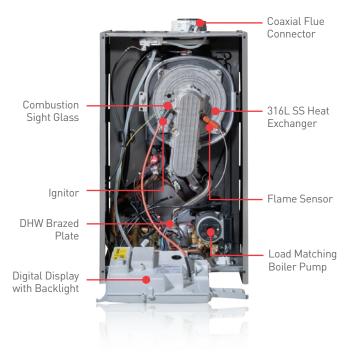


SAVE TIME & INCREASE PRODUCTIVITY with our LABOR SAVERTM MANIFOLD.

A CLOSER LOOK...



COMBI MODEL



HEATING ONLY MODEL



- Auto Commissioning and Continuous Calibration functions optimize combustion and result in lower fuel bills
- Features 316L Stainless Steel Heat Exchanger and Burner
- Features such as, high limit sensors, pressure relief valve, low water sensor, and system pressure gauge ensure safety and top performance of the unit
- Control Panel features a backlit digital display that indicates boiler status, temperature, and diagnostics
- Preheat function
- Built in load matching Pump contributes to savings in electrical usage



Our [AI] control is programmed to recognize an indirect tank, with no need for a separate relay. Utica Boilers H20 Indirect Hot Water Heaters are available in 30 to 115 gallon capacities and feature 316L stainless steel construction and top connections for an easy installation.

STANDARD EQUIPMENT

Heat Exchanger: 316L Stainless Steel Burner. MAC-205 and MAC-165 are also equipped with a stainless steel brazed plate heat exchanger

Primary/Secondary LABOR SAVER™ Manifold

Boiler Control Module: High Limit/Electronic Ignition Control

User Display Interface: Digital Temperature Display with diagnostics and programmable settings

Adaptive Combustion: Automatically Modulating Gas Valve, Stainless Steel Burner, Direct Spark Ignition, Separate Flame Sensor, 100% shutoff

Other: Assembled Boiler with Jacket, Induced Draft Fan, High limit sensors, 30psi Relief Valve, Low Water Pressure Switch, and Temperature/Pressure Gauge. Built-in Load Matching Pump

OPTIONAL EQUIPMENT:

Outdoor Temperature Sensor, Indirect Tank Sensor,
Floor Stand Kit

LEARN MORE!

You can learn more about the MAC/MAH and our full line of products, services, training and support by visiting our website, or check out our Facebook page.









RESET



PHYSICAL DATA

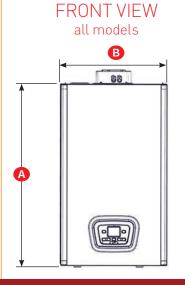
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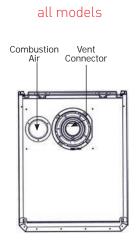
& HEATING BOILERS



PRODUCT DIMENSIONS

	DIMENSIONS	125 & 150	205 & 165
A	HEIGHT	30" [763mm]	30" [763mm]
B	WIDTH	17 3/4" [450mm]	17 3/4" [450mm]
9	DEPTH	13 9/16" [345mm]	21 1/2" [571]
D	CONDENSATE TRAP CONNECTION	13/16" [21mm] ID Hose	3/4" [19.1mm] NPT
3	SYSTEM SUPPLY	3/4" [19.1mm]	1" [25.4mm]
(3)	DHW OUTLET (125 OPTIONAL)	1/2" [15.9mm]	3/4" [19.1mm]
G	GAS CONNECTION	3/4" 19.1mm]	3/4" [19.1mm]
(1)	DHW (COLD WATER) INLET	1/2" [15.9mm]	3/4" [19.1mm]
0	SYSTEM RETURN	3/4" 19.1mm]	1" [25.4mm]
	BOILER FILLING CONNECTION	1/2" [15.9mm]	External to Boiler
1	PRIMARY WATER CONTENT	1 gal [3.60L]	1 1/4 gal [4.73L]

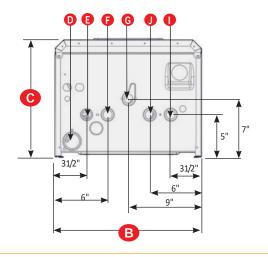


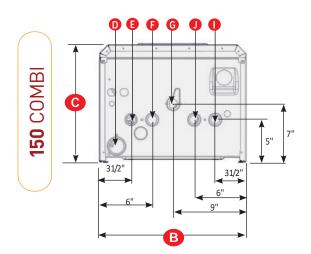


TOP VIEW

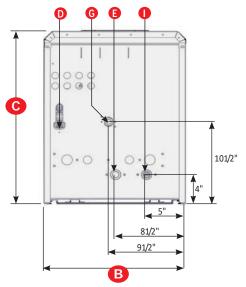
BOTTOM VIEWS

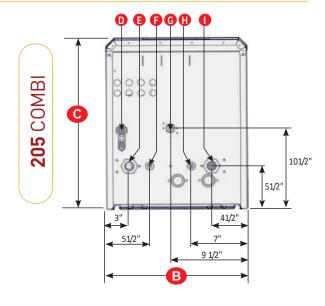






165 HEAT-ONLY





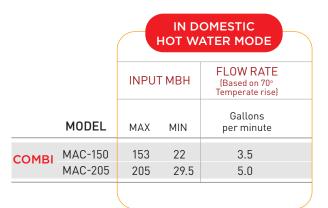




PRODUCT SPECIFICATIONS

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		IN SPACE HEATING MODE				
		INPUT MBH		AHRI C	ERTIFIED RA	ATINGS
	MODEL	MAX	MIN	Heating Capacity MBH	Efficiency AFUE %	Net Water MBH (1)
СОМВІ	MAC-150 MAC-205	125 164	22 29.5	113 153	95 95	98 133
HEAT	MAH-125 MAH-165	125 164	22 29.5	113 153	95 95	98 133

(1) Net Water Rating shown based on piping and pickup allowance of 1.15. Consult manufacturer before selecting boilers for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

		VENT MATERIAL / SIZE In Inches (mm)		
	MODEL	COAXIAL (2)	2-PIPE Polypropylene (2)	2-PIPE CPVC (2)
СОМВІ	MAC-150 MAC-205	2/4" (60mm/100mm) 3/5" (80mm/125mm)	2"or 3" (60mm or 80mm) 2"or 3" (60mm or 80mm)	3" 3"
HEAT ONLY	MAH-125 MAH-165	2/4" (60mm/100mm) 3/5" (80mm/125mm)	2"or 3" (60mm or 80mm) 2"or 3" (60mm or 80mm)	3" 3"
			,	

(2) Refer to IOM and vent pipe manufacturer's instructions for equivalent lengths and approved venting materials

	CLEARANCES	
DIMENSION	Combustible Materials (3)	Manufacturer Recommended for SERVICE (3) (4)
TOP	0" (0cm)	8-5/8" (220mm)
LEFT	1-3/4" (45mm)	1-3/4" (45mm)
RIGHT	1-3/4" (45mm)	1-3/4" (45mm)
FRONT	0" (0cm)	17-3/4" (450mm)
BACK	0" (0cm)	0" (0cm)
ВОТТОМ	0" (0cm)	*9-13/16" (250mm)
COMBUSTION AIR/VENT PIPING	0" (0cm)	6" (160mm)

BOILER

- (3) Required distance measured from boiler jacket.
- (4) Service, proper operation clearance recommendation.

CERTIFICATIONS

















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^{*} Allowance for piping at the bottom of the boiler not included.