

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that MADD LLC

Located At 186 HICKS ST

Job ID: 2011-11-2746-SF

CBL: 296- C-003-001

has permission to Install Mascott II Boiler in basement

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD**

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Jeff Levine

Job ID: 2011-11-2746-SF

Located At: 186 HICKS ST

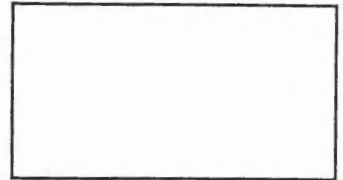
CBL: 296- C-003-001

Conditions of Approval:



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



2011-11-2746

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications x-3

Location / CBL 296-C-3 Use of Building 2012-40497 Date _____
 Name and address of owner of appliance 186 Hicks St. Portland Me.
MADD LLC - 453 Allen Ave 04103
 Installer's name and address Robert S Dorr 17 Milliken Rd.
Scarborough, Me. Telephone 415-3375

Location of appliance:
 Basement Floor
 Attic Roof

Type of Fuel:
 Gas Oil Solid

Appliance Name: Masco H II
 U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:
 Master Plumber # _____
 Solid Fuel # _____
 Oil # _____
 Gas # PNT 3597
 Other _____

Type of Chimney:
 Masonry Lined
 Factory built \$ _____
 Metal
 Factory Built U.L. Listing # _____
 Direct Vent
 Type _____
 RECEIVED UL# _____

Type of Fuel Tank
 Oil
 Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 4000.00
Permit Fee: \$ _____

RECEIVED
 SEP 21 2012
 Dept. of Building Inspections
 City of Portland Maine

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Signature of Installer Robert S Dorr

Approved with Conditions

See attached letter or requirement

Inspector's Signature _____ Date Approved _____

NOW WITH 100%
CUSTOMER SATISFACTION
GUARANTEE

LAARS® MASCOT® II

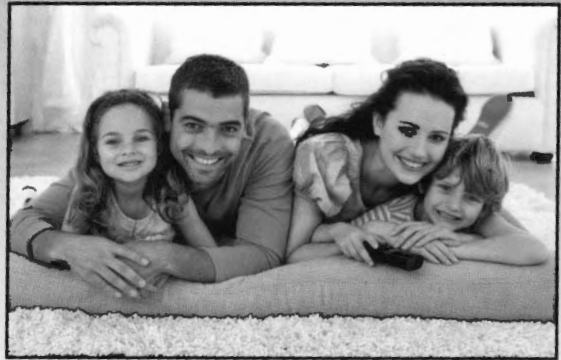
Gas-Fired Wall-Mounted
Combination Boiler &
Water Heater



LAARS® 
Heating Systems Company
A subsidiary of **BRADFORD WHITE®** Corporation

THE MASCOT® II

- Operates quietly, smoothly and reliably
- Energy Star rated, 95% Efficient (AFUE)
- Low emissions, 10ppm NOx
- Zero installation clearance, fits almost anywhere
- Easy to install, setup and service
- 2 year parts, 12 year heat exchanger warranty



100% CUSTOMER SATISFACTION GUARANTEE

If your Mascot II requires more than two warranty service repairs during the first year of operation, we will replace the boiler at no charge!

This program rivals any in the industry. All you have to do is have the boiler installed and started up per the installation & operations manual and register with Laars via a 10-Point installation checklist. It's that simple, Laars is engineered to be the best.

Ask your local Laars representative for details.

MASCOT® II APPLICATIONS

- Perfect for radiant floor heating applications, and systems with large emitters - no restriction on low return water temperatures
- Approved for closet and alcove installations - perfect for condominiums and town homes
- Great for saving space by combining heating and domestic hot water in one small appliance



**American design, with clean
appliance look and feel**

LAARS 

Heating Systems Company
A subsidiary of BRADFORD WHITE Corporation

MASCOT® II

INTELLIGENTLY DESIGNED



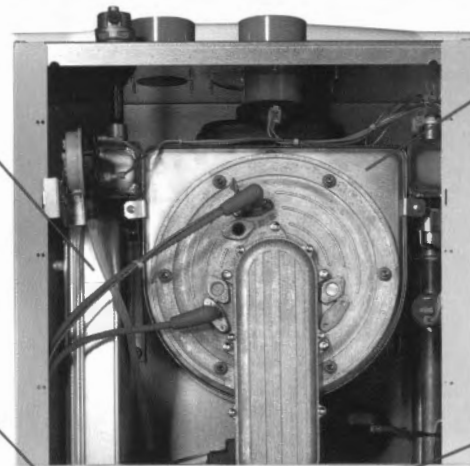
Air elimination valve

Concentric or two-pipe venting connections, two-pipe connection uses standard off the shelf PVC or CPVC piping.

A built in expansion tank eliminates unsightly externally mounted tanks

Each Mascot II uses a state of the art, condensing, stainless steel heat exchanger with a 5:1 turndown. The design delivers 95% AFUE, a low 10ppm NOx emissions and only 1.5 amp electrical draw resulting in one of the most environmentally friendly, compact, combination units on the market.

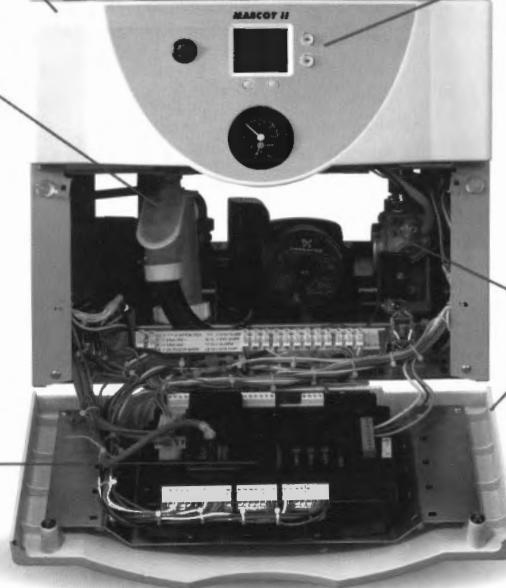
System is fully protected with resettable circuit breakers



Each Mascot II is supplied with a unique, sealed condensate trap that does not need priming at startup.

Every Mascot II is equipped with an advanced Laars integrated LCD push button control system, illuminated power switch and pressure gauge. Temperature control, diagnostics, outdoor reset capability and many other functions are seamlessly integrated in this one easy to use center console.

Laars advanced integrated control system



The Mascot II lower door opens independently from the rest of the unit allowing access to both the gas valve and controls at the same time, making setup very easy.

Mascot II boilers are designed with a built-in expansion tank, air elimination vent, three-speed circulator, primeless condensate trap and direct access to wiring. These features, along with a wall-mounting template, save contractors hundreds of dollars in material & labor and help reduce installation errors. Not to mention most components are "off the shelf" replacement parts and can easily be obtained from many distribution locations.

High Efficiency Mascot® II Boilers

The Mascot II is a 125 MBTU heating only or combination ("Combi" - heating and domestic hot water) wall mounted boiler packed with features and benefits that both the homeowner and contractor can enjoy.

For the homeowner, the Mascot II offers a 95% plus efficiency rating for lower operating costs, has "zero clearance installation" so it can fit just about anywhere and has a modern appliance design. It is a reliable, quiet, smooth operating boiler that has enough output to keep your home warm with continuous hot water for long relaxing showers.

Contractors will love the Mascot II because they install in less time than other units do, thanks to the service-friendly design and full package of system components. Components are easily accessible for disassembly, should an unlikely call for service be required, saving service time and money.

Boiler setup is a breeze because of full access to both the gas valve and control panel at the same time (see figure on following page). The gas valve is accessible directly behind the front lower panel that rotates down via a hinged connection. While the lower panel is open, the center console that houses the control display remains closed and fully visible.

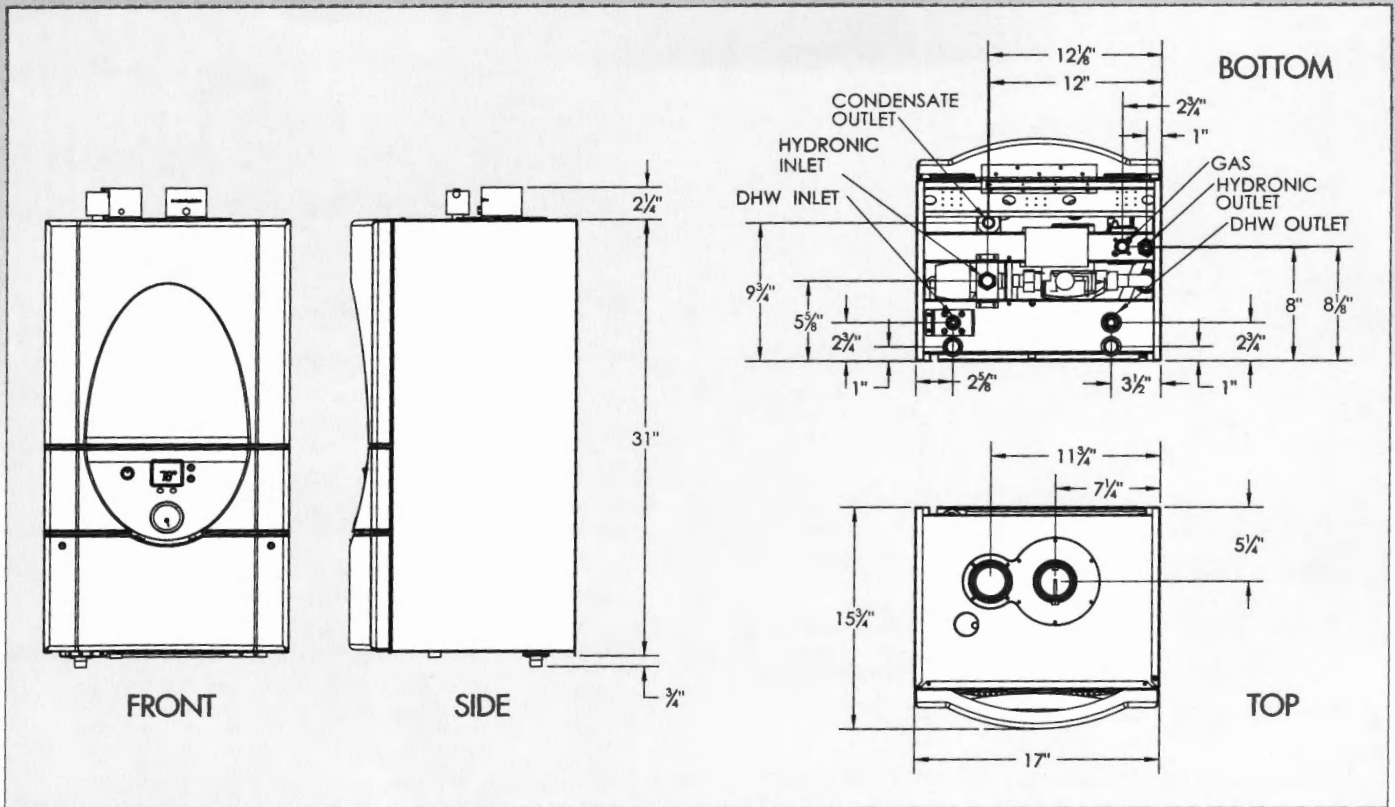
- Sleek, appliance-grade cabinet that looks great in any location
- 95% AFUE efficiency, condensing operation
- 2-year parts warranty, 12-year heat exchanger warranty
- Energy Star qualified
- Zero Installation Clearance
- Sealed combustion
- Direct spark ignition for smooth reliable starts
- Two venting options to meet the needs of almost any installation
- Optimized gas usage for lower energy bills via 20% to 100% input modulating gas valve
- Quiet variable speed blower
- Boilers are set up for natural gas, no parts necessary for conversion to LP gas
- Built in expansion tank that will handle 26 gallons of system water (enough to cover 1,800 feet of ½" PEX tubing)
- Three speed circulator with air vent and "quick-remove" mounting system
- Automatic 3-way valve for DHW priority eliminates the need for separate zone setup when using an indirect DHW tank
- Mounting kit with template and wall bracket for fast and easy installation
- Light-weight (100 lbs.) makes handling easy
- Stainless steel A.S.M.E. primary heat exchanger with externally welded manifolds for better flow rates and prevention of leaks
- Stainless steel brazed plate DHW heat exchanger (combi models) with advanced flow switch
- Hydronic system water pressure sensor for safety at low water levels
- Advanced Laars integrated control system with temperature control, diagnostics, outdoor reset capability, and easy access for field wiring
- Unique, sealed condensate trap does not need to be primed at startup
- Pump Freeze Protection

LAARS 

Heating Systems Company

A subsidiary of BRADFORD WHITE Corporation

LAARS® MASCOT® II DIMENSIONS



LAARS® MASCOT® II SPECIFICATIONS

DESCRIPTION	MASCOT II - 125	
Fuel	Natural Gas / LP Gas	
Input, max fire	125,000 BTU/hr	36.6 kW
Output, max fire	121,250 BTU/hr	35.5 kW
DHW Max Outlet Water Temp	180 °F	60 °C
DHW Max Flow Rate (dt@60°F)	4.0 gpm	15.1 l/m
Flow Rate, min	0.5 gpm	1.9 l/m
Pressure Relief Setting	30 psi	207 kPa
Gas Connection	1/2	NPT
Supply Flow Connection	3/4	NPT
Return Flow Connection	3/4	NPT
Burner and Heat Exchanger Material	Stainless Steel	—
Weight	100 lbs	45.4 kg
Service Clearances		
Front and Bottom	24 in	61 cm
Top and Sides	6 in	15.2 cm
Air Vents		
Two Pipe Flue Terminal	2 in	5.1 cm
Concentric	3 / 5 in	7.6 / 12.7 cm
Electrical Supply		
Voltage	120 V	
Frequency	60 HZ	



View our entire product line at www.Laars.com



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800.900.9276 • Fax 800.559.1583 (Customer Service, Service Advisors)
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1869 Sismet Road, Mississauga, Ontario, Canada L4W 1W8 • 905.238.0100 • Fax 905.366.0130

www.Laars.com