

FT SERIES

**301 & 399 MBH
Wall Hung Boiler**



**Floor Stand
Version!**

**High Efficiency
Commercial Wall Hung Boiler**

LAARS[®] 
Heating Systems Company
Built to be the Best[®]

LAARS® FT SERIES

DESIGNED FOR YOU

Since our beginning as Laars Engineering in 1948, Laars has embodied innovation and advancement in heating technology. We have built upon our technology for more than seventy-five years to ensure Laars products meet the demands of today's discerning customer.

Laars stands behind each of its products with stringent quality standards which require each unit to be live-fired before it's packaged, and a service support team that places the customer and their needs first – every time.



HIGH PERFORMANCE HEATING

- Robust stainless steel fire tube heat exchanger
- 10:1 turndown (399); 7.5:1 turndown (301)
- 95%+ thermal efficiency
- Low NOx emissions
- Two independent heating curves



FLEXIBLE SYSTEM INTEGRATION

- Cascade up to 4 boilers
- High and low temperature zone control
- DHW Smart Priority™
- Able to control boiler, DHW, and zone pumps



VERSATILE INSTALLATION OPTIONS

- PVC, CPVC, SS, or PP venting materials
- 3" Vent and air pipe lengths up to 65 equivalent feet (each)
- 4" vent and air pipe lengths up 150 equivalent feet (each)
- Options for floor or wall-mounted
- Includes propane conversion kit



Find Rebates &
Tax credits at
LAARS.COM



BIG PERFORMANCE

WALL OR FLOOR BOILER

ONE BOILER DOES IT ALL



DHW SMART PRIORITY™

Modern boilers can manage both space heating and domestic hot water (DHW) production. Typically, space heating is paused while domestic hot water is being produced. If domestic hot water is being used over an extended period of time, space heating comfort may be compromised. But, unlike typical boiler control systems, the FT Series boiler has DHW Smart Priority™ technology. This technology evaluates operating conditions and allows for simultaneous domestic water and space heating production when the domestic water does not need the full input of the boiler.

Laars FT Series 301 and 399 boilers deliver the ultimate comfort level for everyone in your home or business.

**FT Series
Boiler**

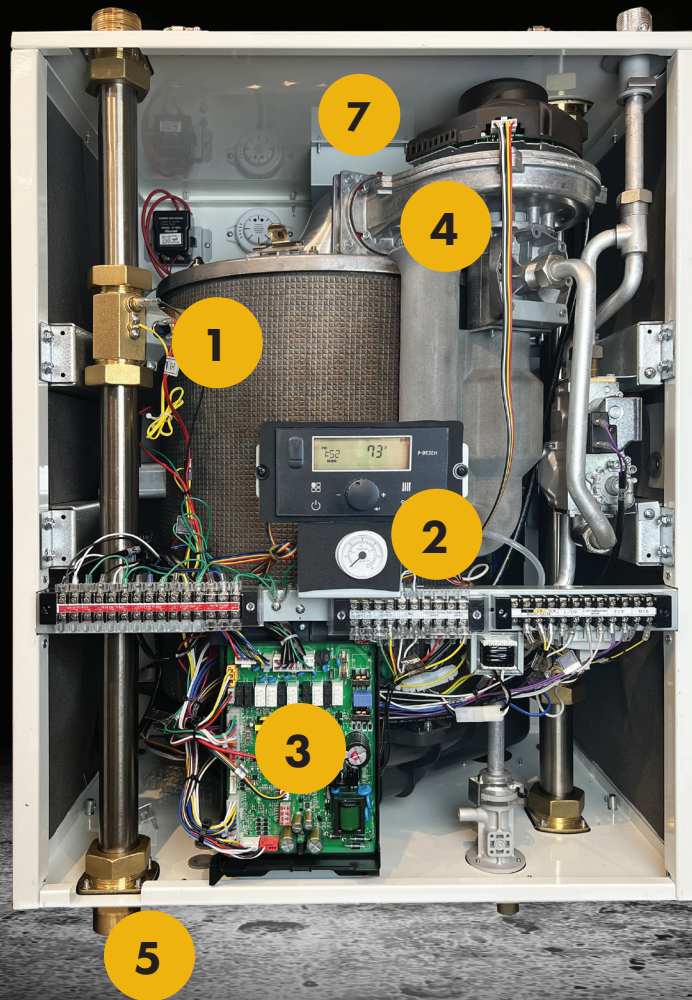


**LAARS-Stor®
Water Heater**



LAARS® FT SERIES

CONSTRUCTED FOR EASE OF USE



- 1** Stainless steel firetube heat exchanger constructed for high efficiency and long-life
- 2** Controls four pumps - boiler, DHW, and two zone pumps (with individual temperature control)
- 3** Integrated low temperature mixing logic, used with an optional strap-on temperature sensor, can control an external 24V mixing valve, eliminating the need to add and program an external mixing control
- 4** Easy access to the fan, gas valve, flame rod, and ignitor makes annual service to the unit a breeze

301 or 399 MBH

ENGINEERED FOR PERFORMANCE



FT399 Top of Unit



FT399 Bottom of Unit



- 5** Top and Bottom gas and water connections allow for versatility with new or retrofit installations
- 6** External air intake filter helps keep the intake free of debris and is easily accessible for cleaning
- 7** A sensor monitors intake air for flue gas contamination. If excessive contamination is detected, an alert is displayed on the boiler indicating action should be taken to minimize potential damage to the boiler
- 8** Side handles for an easier assisted install

LAARS® FT SERIES

PACKED WITH FEATURES



FLOOR STAND OPTION

- Allows boiler to be floor mounted
- Heavy duty steel construction
- Easy field assembly
- Top & Bottom boiler connection access
- Access panels for easy piping

- Two easy ways to order:
 - Order as a bundle that includes the boiler and floor stand kit
 - Order the stand kit separately



Floor Stand Kit
CA022600

INTAKE AIR QUALITY SENSOR TECHNOLOGY

Proper boiler combustion starts with fresh intake air, which leads to maximum efficiency and a longer life. The Laars FT Series 301 & 399 boilers are equipped with a sensor that detects if flue gases are contaminating the intake air to the boiler. If excessive flue gases are detected, an alert is displayed on the boiler indicating that the vent system should be evaluated. The potential of boiler damage caused by cross-contamination is greatly reduced by addressing an intake air contamination issue early.

OPTIONAL ACCESSORIES



Vent Terminal Flush
3" CA010101
4" CA010102



DHW Sensor / Mixing
Control Sensor
FT1868



Condensate
Neutralizer
A2123609



Condensate
Neutralizer & Pump
FT3007

ADDITIONAL ACCESSORIES:

Concentric Vent Terminal 3" 415-44069-01

High Altitude (>5000 ft) Kits: Natural Gas FT4139 • Propane FT4140

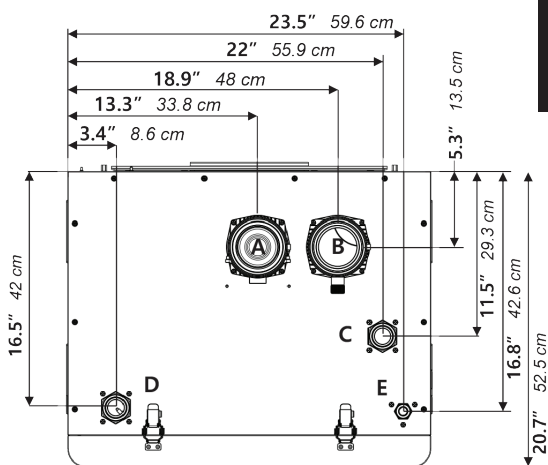
Cascade Kits: 2 Boilers CA017502 • 3 Boilers CA017503 • 4 Boilers CA017504

4" Vent Screen 10-391

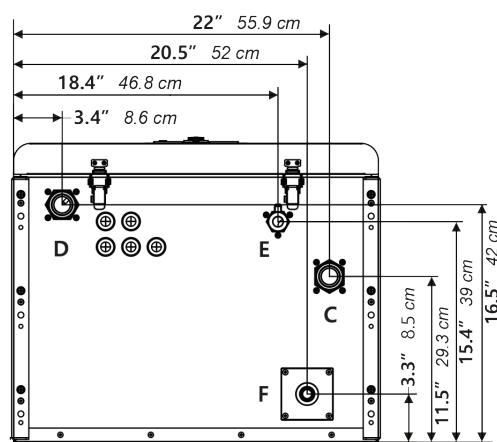
HEATING VERSATILITY

SIZING & DIMENSIONAL DATA

Model		Min Input Rate		Max Input Rate		Min Output Rate		Max Output Rate		AHRI Certified Combustion Efficiency (%)	AHRI Certified Therm Efficiency (%)	Product Weight		Shipping Weight	
		MBH	kW	MBH	kW	MBH	kW	MBH	kW			lbs	kg	lbs	kg
LFTHW301NX	Without Stand	39.9	11.7	301	88	37.9	11.1	286	84	95.4%	95.1%	240	109	265	120
LFTHW399NX		39.9	11.7	399	117	37.9	11.1	379	111	95.9%	95.4%	250	114	275	125
LFTHW301NF	With Stand	39.9	11.7	301	88	37.9	11.1	286	84	95.4%	95.1%	275	125	310	141
LFTHW399NF		39.9	11.7	399	117	37.9	11.1	379	111	95.9%	95.4%	285	130	320	145



TOP VIEW

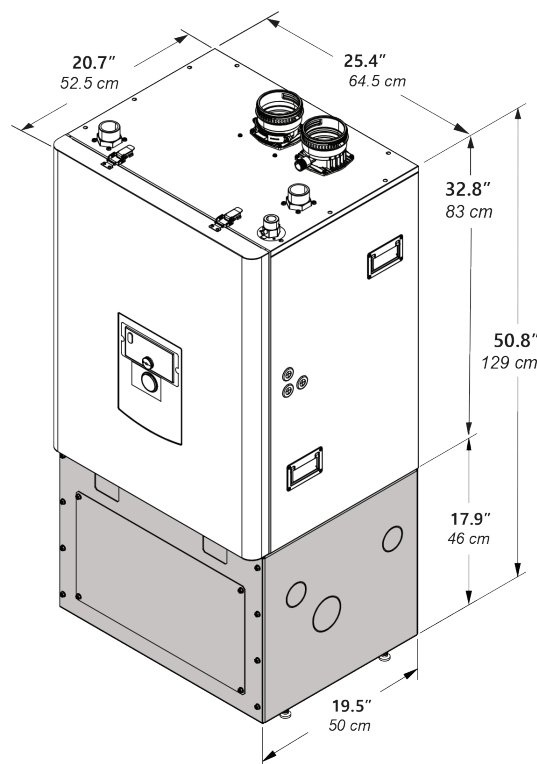


BOTTOM VIEW

Scan for Complete Spec Data



Callout	Description	Diameter
A	Air Intake Collar	3-inch
B	Vent Pipe Collar	3-inch
C	Boiler Return	1 1/2" NPT
D	Boiler Supply	1 1/2" NPT
E	Gas Inlet	1" NPT



VERSITILE DESIGN



Rebates Available!

Don't forget to submit for your rebate today!

www.laars.com/rebate-center



WWW.LAARS.COM



Browse Laars
FT Series 301
& 399

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Heating Systems Company

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