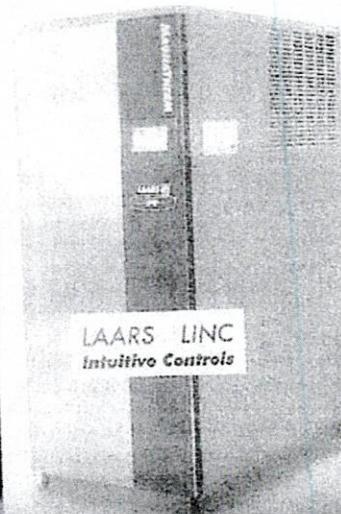


LAARS MAGNATHERM® FT COMMERCIAL CONDENSING BOILER

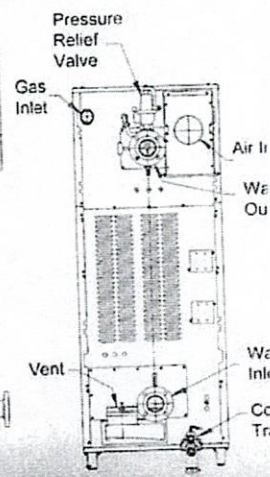
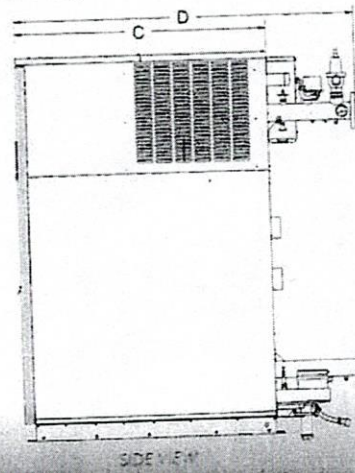
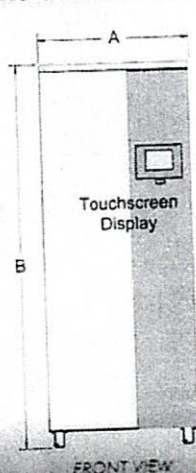
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Every MagnaTherm® FT Boiler includes the unique Tru Trac™ O₂ trimming system with 20:1 turndown that optimizes combustion to dramatically reduce energy consumption. At the heart of the MagnaTherm FT is the robust, highly efficient Laars CF-Tech™ (contoured flue tube) firetube heat exchanger. The Laars MagnaTherm FT utilizes contoured flue tubes to not only help increase efficiency but to also extend the life of the heat exchanger.



- CF-Tech™ Contoured Flue Tube Technology
- AHRI 95% certified thermal efficiency
- Up to 20:1 Modulation
- Tru Trac™ O₂ Trim Control maintains high efficiency throughout the entire modulation range
- LAARS LINC® intuitive touch screen controls
- Indoor/Outdoor rated
- Many voltage packages available; 120, 240, 480 or 600 VAC
- Cascade up to 8 units
- Warranties: 10-year heat exchanger + 1-Year parts



MAGNATHERM FT BOILER SPECIFICATIONS

DIMENSIONAL

Model	A		B Total Height		C		D		Modulation Turndown Ratio	Vent Diameter	Vent Length	Water Connection	Gas Connection	Condens Trap
	inches	cm	inches	cm	inches	cm	inches	cm		in (cm)	ft (m)	Flanged	(NPT)	Line
1000	30.2	78	80	203	52.4	133	70.5	179	15:1	6 (15)	100 (30.5)	3"	2"	1"
1500	30.2	78	80	203	52.4	133	70.5	179	20:1	8 (20)	100 (30.5)	3"	2"	1"
2000	34.6	88	80	203	56.3	143	73.3	189	20:1	8 (20)	100 (30.5)	3"	2"	1"
3000	34.6	88	80	203	56.3	143	75.5	192	20:1	10 (25)	100 (30.5)	3"	2"	1"

SIZING DATA

WATER FLOW REQUIREMENTS

Model	MIN Input Rate		Max Input Rate		Boiler Thermal Efficiency	Combust Efficiency	Product Weight	Operating Weight	Shipping Weight	Water Content	Temperature Rise					
											20°F	11°C	40°F	22°C	70°F	39°C
	MBH	kw	MBH	kw	%	%	lbs	kg	lbs	kg	Flow H/L gpm feet	Flow H/L lpm m	Flow H/L gpm feet	Flow H/L lpm m	Flow H/L gpm feet	Flow H/L lpm m
1000	67	19.6	999.9	293	95.8	96.1	1300	590	1934	878	95	1.9	360	0.6	48	0.3
1500	75	22.0	1500	440	95.9	96.3	1450	658	2292	1041	142	3.4	538	1.0	71	0.3
2000	100	29.3	1999.9	586	95.4	95.5	1750	795	2717	1234	190	4.5	719	1.4	95	0.4
3000	150	44.0	3000	879	95.9	95.9	2050	931	3292	1495	285	7.0	1079	12.1	142	0.8

H/L is Head Loss

For complete product details and dimensions go to www.laars.com/DETAILS

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High-Efficiency

MagnaTherm® FT

Advanced Fire Tube Technology

No rebates. Change Location.



TRU TRAC® O₂ TRIM

Real time, electric fuel-to-air ratio control of the combustion process results in optimized efficiency across the entire turndown range.



CF-TECH™

Laars CF-Tech Contoured Flue Tube Technology not only helps increase efficiency but also extends the life of the heat exchanger.



LAARS LINC®

Powerful control logic is easily managed via icon-driven, touch screen technology. The result is an intuitive to use control system with the intelligence to manage installations from the simple to the complex.



95% THERMAL EFFICIENCY

Superior firetube stainless steel heat exchanger which is resistant to corrosive condensate and flue gasses. The long life design allows for "flexing" of the heat exchanger, reducing stress.



FLEXIBLE INSTALLATION

A vertical design with small footprint helps it to fit into tight mechanical rooms.

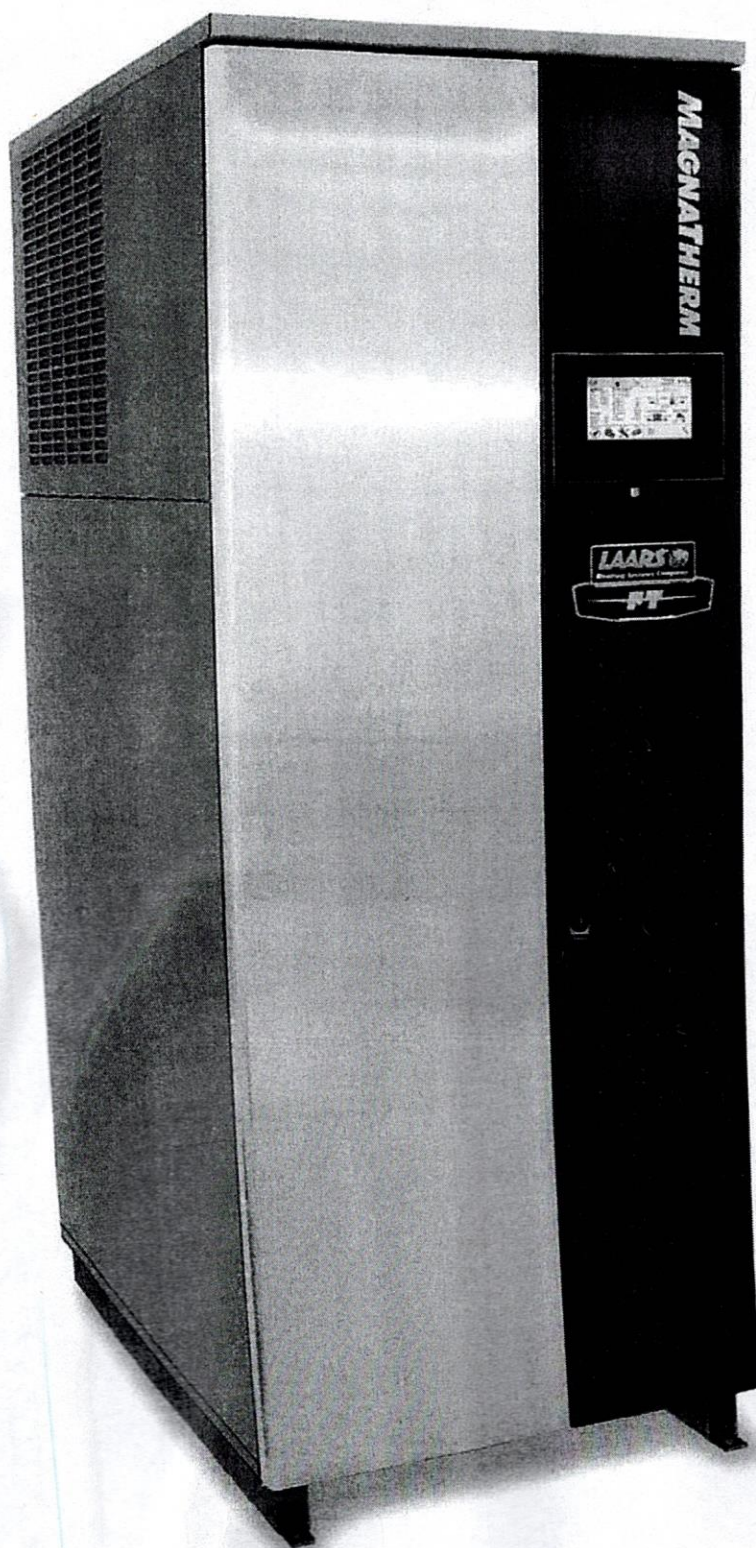
Many electrical packages available to meet job site voltage requirements - 120, 208, 240, 480 or 600 VAC.

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DISA

LAARS CF-TECH DESIGNED FLUE TUBES:

- Produce turbulent flow characteristics ensuring heat is evenly distributed throughout the flue gas
- Maximize heat transfer into the water.
- Allow the heat exchanger to flex due to naturally occurring thermal cycling
- Extends heat exchanger life by minimizing stresses caused by the thermal cycling.

TRU TRAC REAL TIME COMBUSTION MANAGEMENT

- Maintains ideal oxygen levels to optimize operation constantly
- Quickly adjust to counteract environmental fluctuations
- Increases thermal efficiency throughout the entire 20:1 range
- Increases runtime availability
- Reduces maintenance required over time

01:18

LAARS CF-TECH
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