

LAARS FT SERIES WALL BOILERS



FT SERIES® WALL BOILERS

Type	Model	Min Input BTU	Max Output BTU	Turn Down	Connections					AFUE
					Boiler Supply/Return	DHW	DHW GPM @ 70° rise	Gas	Vent	
Heating Wall Boiler	MFTHW100	20,000	93,000	5:1	1 1/4"	N/A	N/A	3/4"	2" or 3"	95%
Heating Wall Boiler	MFTHW140	14,000	129,000	10:1	1 1/4"					
Heating Wall Boiler	MFTHW199	19,000	181,000		1 1/4"					
Combi Wall Boiler	MFTCW140	14,000	129,000		1"	3/4"	3.5			
Combi Wall Boiler	MFTCW199	19,000	181,000		1"	3/4"	5.2			

Included with LAARS FT SERIES Boilers

FT FLOOR	FT WALL HUNG
Low Loss Header	Boiler Pump
Boiler Pump	LP Conversion Kit
LP Conversion Kit	Fuse, O-ring & gasket Spare Kit
Fuse, O-ring & Gasket Kit	Outdoor Sensor
3-in-1 Brass Adapter	Air Vent
Air Vent	Pressure Relief Valve
Pressure Relief Valve	Wall Mount Kit
Anti-scald Mixing Valve (combi)	
Outdoor Sensor	

LAARS FT SERIES FLOOR BOILERS



FT SERIES® FLOOR BOILERS

Type	Model	Min Input BTU	Max Output BTU	Turn Down	Connections					AFUE
					Boiler Supply/Return	DHW	DHW GPM @ 70° rise	Gas	Vent	
Heating Floor Boiler	LFTHF199	19,000	181,000	10:1	1 1/2"	N/A	N/A	3/4"	2" or 3"	95%
Combi Floor Boiler	LFTCF199	19,000	181,000		1 1/2"	3/4"	5.2			



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Built to be the Best®

MINI-THERM® JX BOILERS



MINI-THERM® JX BOILERS

Type	Model	Min Input BTU	Max Output BTU	Low Loss Header w/ pump	Connections			AFUE
					Supply/Return	Gas	Vent	
Heating Boiler	JX50	50,000	42,000	Optional Accessory	1 1/4"	3/4"	4"	84%
Heating Boiler	JX75	75,000	63,000	Optional Accessory			5"	
Heating Boiler	JX100	100,000	84,000	Optional Accessory			5"	
Heating Boiler	JX125	125,000	105,000	Standard			6"	
Heating Boiler	JX150	150,000	126,000	Standard			6"	
Heating Boiler	JX200	200,000	168,000	Standard			7"	

Included With LAARS Mini-Therm® JX Boilers



Low Loss Header
(Factory Installed
JX125-JX200)
PN: CA019600



Pressure Relief
Valve



Internal Taco 007E
Boiler Pump
(Factory Installed
with LLH)

LAARS-STOR® INDIRECT WATER HEATERS



LAARS-STOR® INDIRECT WATER HEATERS

Model #	Height In.	Dia. In.	Hot & Cold Water Connections	Boiler Supply / Return Connections	Min. Recommended Boiler Supply / Return	Min. Recommended Pump Size with FT Series® Boiler
LS-SW-2-30-L	33 5/8	22	3/4" MPT	1" FPT	1"	Grundfos 15-58 or equal
LS-SW-2-40R-L	38 1/4	22				Grundfos 15-58 or equal
LS-SW-2-50R-L	46 1/4	22				Grundfos 15-58 or equal
LS-SW-2-65-L	59 1/4	22				Grundfos 15-58 or equal
LS-SW-2-80-L	59	24				Grundfos 15-58 or equal
LS-SW-2-120-L	62 1/2	28 1/4	1" FPT		1 1/4"	Grundfos 15-58 or equal

LAARS-STOR®

- Single Wall Glass Lined Carbon Steel
- Lifetime Warranty
- Includes T&P valve & aquastat
- For help with sizing for specific applications, contact our technical support team

LAARS FT SERIES WALL BOILER MANIFOLD KITS



Model	Used With	System Connection	Indirect Tank Connection
P2135900	Heat Only 100/140	1 1/4"	1"
P2135800	Heat Only 199	1 1/2"	1 1/4"
P2134400	Combi 140/199	1 1/2"	N/A

HYDRAULIC SEPARATORS

Size	Used With
1" NPT	MFTWH100
1" Pro Press	
1 1/4" NPT	MFTWH140-199
1 1/4" Pro Press	



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FEATURES & BENEFITS

FT Series Wall & Floor Boilers

- Stainless steel fire tube heat exchanger design
- Up to 10:1 Turndown
- Multiple vent options
 - 2" or 3"
 - Polypropylene, PVC, CPVC, Stainless steel
- Built-in Primary/Secondary piping (Floor Model)
- All piping connections on top (Floor Model)
- Domestic water recirculation tap (Floor Model)
- 3 pump outputs onboard- System (CH), DHW (Recirc or Indirect Tank), Boiler (Primary)
- Built-in Supply/Return boiler sensors – no system sensor required
- Best in class access to internal components



Shell & Tube Heat Exchanger and Low Loss Header

- Unique Shell & Tube DHW heat exchanger
- 1 gallon of stored hot water on standby
- 3/4" DHW stainless steel corrugated coil
- Prevents scale build up, less maintenance over lifetime, better flow rates
- Piped as hydraulic separator on FT Floor Model – no manifold or primary/secondary required
- Industry leading continuous hot water delivery 5.2 GPM at 70° rise



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FEATURES & BENEFITS

Mini-Therm[®] JX Boiler

- Hybrid heat exchanger design – Low mass
 - Cast iron wet walls with copper fin tube horizontal passes
- Spark to pilot ignition
- Internal low loss header with Taco 007E boiler pump(JX125-JX200)
 - No primary/secondary piping required
- Compact footprint and light weight
- Standard tapping makes for easy cast iron retrofit



Laars-Stor[®] Indirect Water Heater

- Glass lined or Stainless steel options available
- Size range: 30-120 gallon
- Factory installed T&P valve, adjustable aquastat, low point drain
- Lifetime warranty
- Premium 2" Non-CFC foam insulation



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