

Commercial Gas and Indirect Products Selection Guide



MAGNATHERM



NEOTHERM XTR NEOTHERM



PENNANT



MIGHTY THERM2



FT SERIES



U.H.E.



LAARS PLATE

Boiler Sizes (MBH)	1000, 1500, 2000, 3000	1600, 2000, 2500, 3000, 3500, 4000	399, 500, 650, 800, 999, 1500	399, 500, 600, 750, 850	500, 750, 1000, 1250, 1500, 1750, 2000	400, 500, 750, 1000, 1250, 1500, 1750, 2000	301, 399	N/A	N/A
Water Heater Sizes (MBH)	N/A	1600, 2000, 2500, 3000, 3500, 4000	399, 500, 650, 800, 999, 1500	150, 199, 285, 399, 500, 600, 750, 850	500, 750, 1000, 1250, 1500, 1750, 2000	200, 300, 400, 500, 750, 1000, 1250, 1500, 1750, 2000	N/A	150, 199, 250, 300, 399, 499	N/A
Pool Heater Sizes (MBH)	N/A	N/A	N/A	N/A	500, 750, 1000, 1250, 1500, 1750, 2000	500, 750, 1000, 1250, 1500, 1750, 2000	N/A	N/A	N/A
Indirect Sizes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18, 26, 36, 52 or 80 Plates
Efficiency	Up to 96.3%	Up to 96.0%	Up to 97.0%	Up to 97.0%	Up to 85.2%	Up to 85.3%	Up to 95.9%	Up to 97.0%	N/A
Firing Rate	Modulating 1000: 15:1 1500-3000: 20:1	Modulating MagnaTherm HTD 20:1 MagnaTherm 5:1	Modulating: 10:1	Modulating 150-850: 5:1 1000-1200: 10:1	Stage Fired 500-750: 2-Stg 1000: 3-Stg 1250-2000: 4-Stg Pool Heaters: On-off	Stage Fired 200-400: On-off or 2 Stg 500-2000: 2-Stg Pool Heaters: On-off	Modulating 301: 7:1 399: 10:1	Modulating 119 gallon: 3:1 100 gallon: 1:1 60 gallon: 1:1	N/A
Vent Category	IV	IV	IV	IV	I or III	I or III	IV	IV	N/A
Fuel	Natural	MagnaTherm HTD: Natural Only (No LP) MagnaTherm:	Natural	150 to 285 Natural or LP. 399 and up, LP Only	Natural or LP	Natural or LP	Natural or LP	Natural or LP	N/A
Construction	Stainless Steel Fire Tube	Stainless Steel Water Tube	Stainless Steel Water Tube	Stainless Steel Water Tube	Copper or Cupronickel Water Tube	Copper or Cupronickel Water Tube	Stainless Steel Fire Tube	Glass-Lined Fire Tube	Double-Wall Stainless Steel
ASME	Standard	Standard	Standard	Standard	Standard	Standard	Fire Tube	Optional	Standard
Indoor/Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor Kit	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor	Indoor	Indoor
Boiler Warranty*	10 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	N/A	N/A
Water Heater Warranty*	N/A	10 Yrs Heat Exch 1 Yr Parts	5 Yrs Heat Exch 1 Yr Parts	8 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	10 Yrs Heat Exch 1 Yr Parts	N/A	3 Yrs Tank 1 Yr Parts	5 Yrs Heat Exch 1 Yr Parts

*Optional configurations may affect warranty, and some warranty terms are prorated.

Detailed product warranty sheets can be found at www.Laars.com

This document intended for basic product reference only.

Laars Heating Systems Company reserves the right to change specifications, features or to discontinue products without notice.



Customer Service and Product Support: 800.900.9276 • Fax 800.559.1583
Headquarters: 20 Industrial Way, Rochester, NH, USA 03867 • 603.335.6300 • Fax 603.335.3355
9 Brigden Gate, Halton Hills, Ontario, Canada L7G 0A3 • 905.203.0600 • Fax 905.636.0666



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Commercial Electric Products Selection Guide



**HEAT PUMP
WATER HEATER**



**COMMERCIAL
ELECTRIC
TANK TYPE WATER
HEATER**



**COMMERCIAL
ELECTRIC
BOILER**



TYPE H



TYPE G



TYPE F



TYPE N

TANKLESS WATER HEATERS

Usage	Water Heater	Water Heater	Boiler	Water Heater	Water Heater	Water Heater	Water Heater
Type	Heat Pump	Storage	Resistance	Tankless	Tankless	Tankless	Tankless
Size Range (kW)	94.5	12 - 360	60 - 300	5 - 25	18 - 25	36 - 50	36 - 144
Single Phase Voltages	N/A	208, 240, 277	N/A	208, 240, 277, 480	N/A	N/A	N/A
Three Phase Voltages	240, 480	208, 240, 380, 400, 415, 480, 600	208, 240, 480, 600	208, 240, 380, 400, 415, 480	380, 400, 415, 480, 600	208, 380, 400, 415, 480, 600	380, 400, 415, 480, 600
Capacity (Gallons)	N/A	150 - 2500	N/A	N/A	N/A	N/A	N/A
Indoor/Outdoor	Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Warranty*	1 Year	3 Years	1 Year Parts 5 Years Vessel	2 Yrs Electrical Parts 4 Yrs Heating Elements 8 Yrs Heat Exchanger	2 Yrs Electrical Parts 4 Yrs Heating Elements 8 Yrs Heat Exchanger	2 Yrs Electrical Parts 4 Yrs Heating Elements 8 Yrs Heat Exchanger	2 Yrs Electrical Parts 4 Yrs Heating Elements 8 Yrs Heat Exchanger

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Commercial Tank Products Selection Guide



**JACKETED 80-200 GALLON
STORAGE TANKS**



**LARGE VOLUME
STORAGE TANKS**



**HYDRAULIC
SEPARATORS**



**CHILLED WATER
BUFFER TANKS**



**BLADDER
EXPANSION TANKS**



**HOT WATER
GENERATORS**

Description	Standard, Jacketed Hot Water Storage Tanks	Custom 16-84" Diameter Hot Water Storage Tanks	18-60" Diameter Hot Water Buffer / Hydraulic Separator Tanks	24-60" Diameter Chilled Water Buffer Tanks	Expansion Tank with Replaceable Bladder	Large Volume Tanks With Integrated Hot Water or Steam Tube Bundles
Capacity (Gallons)	80, 120, 200	40 - 6138	40 - 1000	130 - 2000	11 - 1040	193 - 6138
Configuration	Vertical	Vertical or Horizontal**	Vertical	Vertical	Vertical	Vertical or Horizontal
Construction and Lining Options	Glass-Lined or Stainless Steel	Carbon Steel: - Glass-lined - Double-glass** - Epoxy-lined** Duplex Stainless Steel 316L Stainless Steel**	Carbon Steel Duplex Stainless Steel 316L Stainless Steel	Carbon Steel Duplex Stainless Steel 316L Stainless Steel	Carbon Steel Duplex Stainless Steel*** 316L Stainless Steel***	Carbon Steel: - Glass-lined - Double-glass - Epoxy-lined Duplex Stainless Steel 316L Stainless Steel
Jacket Options	2" Non-CFC Foam Insulation with Painted Steel Jacket	Bare, red oxide paint Insulating Top Coat R-16 Ins. Steel Jacket R12.5**	Bare, red oxide paint Insulating Top Coat R-16 Ins. Steel Jacket R12.5	Bare, red oxide paint Insulating Top Coat R-16	Bare, red oxide paint Insulating Top Coat R-16***	Bare, red oxide paint Insulating Top Coat R-16 Ins. Steel Jacket R12.5
ASME	Optional	Standard**	Standard	Standard	Standard	Standard
Indoor Outdoor	Indoor	Outdoor When Built With Insulating Top Coat	Outdoor When Built With Insulating Top Coat	Outdoor When Built With Insulating Top Coat	Outdoor When Built With Insulating Top Coat	Indoor
Limited Warranty*	5 Year Tank 1 Year Parts	5 Year Glass-Lined 10 Year Double-Glass 1 Year Epoxy-Lined 10 Year 316L SSTL 25 Year Duplex SSTL 1 Year Parts	5 Year Carbon Steel 10 Year 316L SSTL 25 Year Duplex SSTL 1 Year Parts	1 Year Carbon Steel 10 Year 316L SSTL 25 Year Duplex SSTL 1 Year Parts	1 Year Carbon Steel 10 Year 316L SSTL 25 Year Duplex SSTL 1 Year Parts	5 Year Standard Tank 1 Year on Tube Bundles 1 Year Parts

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** 30"-84" Diameter tanks only

*** 175 Gallon and larger only

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