

Commercial Gas and Indirect Products Selection Guide



	MAGNATHERM	NEOTHERM	OMNITHERM	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, 600, 750, 850, 1000, 1200	1250, 1500, 1750, 2000, 2500, 3000	500, 750, 1000, 1250, 1500, 1750, 2000	400, 500, 750, 1000, 1250, 1500, 1750, 2000	301, 399	N/A
Water Heater Sizes (MBH)	N/A	1600, 2000, 2500, 3000, 3500, 4000	150, 199, 285, 399, 500, 600, 750, 850, 1000, 1200	1250, 1500, 1750, 2000, 2500, 3000	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
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
Indirect Sizes	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 90.0%	Up to 85.2%	Up to 85.3%	Up to 95.9%	Up to 97.0%
Firing Rate	Modulating 1000: 15:1 1500-3000: 20:1	Modulating MagnaTherm HTD 20:1 MagnaTherm 5:1	Modulating 150-850: 5:1 1000-1200: 10:1	Modulating OCH/V: Up to 7:1	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
Vent Category	IV	IV	IV	OCH/V: II or IV	I or III	I or III	IV	IV
Fuel	Natural	MagnaTherm HTD: Natural Only (No LP) MagnaTherm: No LP 4000	Natural or LP	Natural	Natural or LP	Natural or LP	Natural or LP	Natural or LP
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
ASME	Standard	Standard	Standard	Standard	Standard	Standard	Fire Tube	Optional
Indoor/Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	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
Water Heater Warranty*	N/A	10 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	10 Yrs Heat Exch 1 Yr Parts	N/A	3 Yrs Tank 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.



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Commercial Electric Products Selection Guide



**COMMERCIAL
ELECTRIC
TANK TYPE WATER
HEATER**



**COMMERCIAL
ELECTRIC
BOILER**



TYPE H



TYPE G



TYPE F



TYPE N

TANKLESS WATER HEATERS

Usage	Water Heater	Boiler	Water Heater	Water Heater	Water Heater	Water Heater
Type	Storage	Resistance	Tankless	Tankless	Tankless	Tankless
Size Range (kW)	12 - 360	60 - 300	5 - 25	18 - 25	36 - 50	36 - 144
Single Phase Voltages	208, 240, 277	N/A	208, 240, 277, 480	N/A	N/A	N/A
Three Phase Voltages	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)	150 - 2500	N/A	N/A	N/A	N/A	N/A
Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Warranty*	3 yrs	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	Hot Water Storage Tanks	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	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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