

Mini-Combo id™

Residential Space/Water Heater
Sizes 50,000 to 125,000 BTU/hr



The

Perfect

Combination



LAARS 
Heating Systems Company

A subsidiary of **BRADFORD WHITE**
CORPORATION

The Induced Draft Mini-Combo *id* is all that it's stacked up to be . . . and more.



The small footprint makes Mini-Combo the perfect choice.

The Mini-Combo *id*[™] boiler stacks up to be the perfect combination for space and hot water heating — especially where space is limited and reliable performance is a must.

The Mini-Combo *id* uses an induced draft fan that allows for side wall venting and lowers jacket temperature, cutting minimum clearances dramatically.

It also features a 24½" x 28" footprint (62 x 71cm), making it the perfect fit for residential and small commercial applications. And it installs quickly, too.

The Capacity You Need

Sized from 50,000 to 125,000 BTU/hr., the Mini-Combo *id* has a recovery rate more than twice that of a typical gas-fired water heater. And five times better than an electric heater! So your customers get the heat and hot water they want — when they want it.

Easy to Install and Service

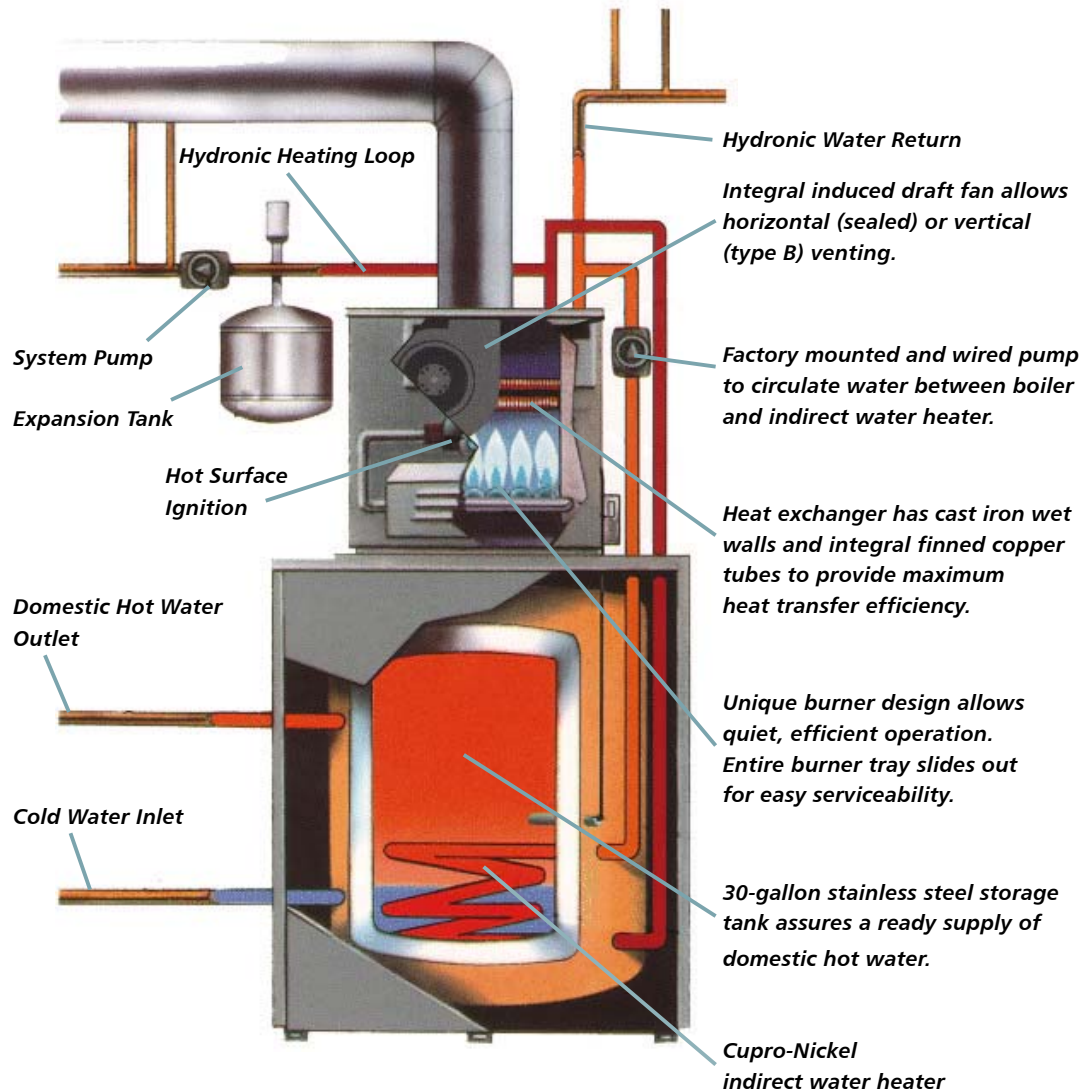
Mini-Combo *id* is pre-piped, pre-wired, and factory assembled for quick, hassle-free installation. It even allows for sidewall venting, with no additional fan, to

simplify your job further. And when it comes to service, Mini-Combo *id* comes out on top. With modular construction, up-front controls and off-the-shelf replacement parts, maintenance is a snap. From installation to service, what other manufacturers only promise, Laars Heating Systems delivers.

20-Year Warranty

The Mini-Combo *id* is a worry-free investment in comfort that the homeowner won't have to contemplate again for many years to come. That's because every unit comes with a 20-year limited warranty to assure dependable heating. How can we offer such a protective warranty? By subjecting every Mini-Combo *id* to complete pressure testing in accordance with ASME specifications — as well as to full performance testing to our own stringent standards — right at our factory.

The heart of the Mini-Combo *id* is the JV boiler — certified by CSA (Canadian Gas Association). This attention to quality affords homeowners unparalleled comfort — in both the purchase of the Mini-Combo *id* and the pleasant home environment it helps maintain. We stack up!



Water Heater

- 30-gallon stainless steel tank
- Maximum working pressure — 150 psi (1035 kPa)
- 2" thick foam insulation. Less than 1/2°F per hour heat loss (R 17)
- Hydrostatic test pressure at factory — 300 psi (2070 kPa)
- Pre-piped, factory assembled
- Single-wall cupro-nickel heating coil (double wall available as option)
- Circulating pump
- Check valves, for system isolation
- Adjustable tank stat, pre-set at 130°F
- Pre-installed temperature and pressure relief valve rated at 210°F and 150 psi
- Pre-piped 3/4" drain valve
- Domestic water priority
- High recovery rates (with 65°F rise)

Hydronic Boiler

- Built-in vent damper
- Natural or propane gas
- Maximum working pressure — water 30 psi (207 kPa), ASME-rated
- Hydrostatic test pressure at factory — 60 psi (414 kPa)
- Maximum gas supply pressure: Natural — 9" W.C. (22cm), Propane — 14" W.C. (36cm)
- Pressure relief valve — capacity in excess of boiler input rating
- Cast Iron Headers and Wet Walls — per Section IV, ASME Code
- Water tubes — all copper with integral finned tubes
- 115/24 volt transformer
- Pump relay & inducer relay

Specifications

MCid Size	Input		Heating Capacity				Net IBR				AFUE % Nat	AFUE % Pro	1st Hour Rate GPH
	MBTU/h	kW	Nat MBTU/h	Pro MBTU/h	Nat kW	Pro kW	Nat MBTU/h	Pro MBTU/h	Nat kW	Pro kW			
50	50	14.6	41.5	12.1	42.0	12.3	36.1	10.5	36.5	10.7	83.4	84.0	87
75	75	21.9	62.3	18.2	63.0	18.4	54.2	15.8	54.7	16.0	83.2	84.0	129
100	100	29.1	82.0	24.0	83.5	24.4	72.6	21.3	72.6	21.3	82.4	84.0	148
125	125	36.6	102.5	30.0	103.0	30.1	89.6	26.7	89.6	26.7	82.4	82.8	168

Dimensions

MCid Size	A		Boiler In/Out NPT	Gas NPT	Domestic Inlet/Outlet NPT	Approx. Weight lbs kg
	inches	cm				
50	16	41	1-1/4	1/2	3/4	258 117
75	15	38	1-1/4	1/2	3/4	274 124
100	17	43	1-1/4	1/2	3/4	280 127
125	17½	44	1-1/4	1/2*	3/4	286 130

*1/2" for Propane

Clearances

	inches	cm
Left	2	5
Right	3	8
Front	4	10
Rear	2	5
Top	23	58

Service clearances: Allow 4" on each side for piping access.

Induced Draft Offers Installation Flexibility

- Horizontal or Vertical Venting
- Small 24½" x 28" (62 x 71 cm) footprint
- Single Point Power Connection complies with ANSI

We're Ready to Help You

The hot water specialists at Laars Heating Systems will be happy to put their 50 years of experience to work for you. For assistance in choosing the right unit for your application — or if you'd simply like to know more about our products, services, and extensive warranty — just call the Laars office nearest you.

