



Enduring Performance

97% AFUE Modulating Gas, Variable Speed Furnace



TSTST01015C

Arcoaire Gas Furnaces

Easier to Sell

- 97% AFUE, all models, all positions
- Modulating heating operation (40% – 100%)
- Xtra SEER variable speed ECM blower motor
- Supports two-stage cooling units
- Dehumidification feature in cooling

Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel RPJ primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

Quieter

- Variable speed induced draft combustion blower
- Variable speed ECM blower motor Insulated steel cabinet

Easier to Install and Service

- Direct vent (2-pipe) or ventilated combustion air
- 35" (889mm) high, for ease of installation and room for service
- Innovative knobs for easy door removal and secure attachment
- Four position – upflow/downflow/horizontal (left/right) installation
- Self-configuring and communicating control

Warranty *

- 10 year No Hassle Replacement limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty – With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.

UPFLOW / DOWNFLOW / HORIZONTAL

**97% AFUE
Modulating
Gas, Variable
Speed Furnace**

Roberts-Hamilton Code	Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Dimensions H x W x D Inches	Shipping Wt. Lbs (Kg)	Model Number
452-0821	60,000	97%	510-1335	35 x 17-1/2 x 29.5	154 (69)	F9MAC0601714A
452-0824	80,000	97%	490-1375	35 x 17-1/2 x 29.5	164 (74)	F9MAC0801714A
452-0827	100,000	97%	710-2030	35 x 21 x 29.5	179 (80)	F9MAC1002120A
	120,000	97%	680-2185	35 x 24-1/2 x 29.5	203 (91)	F9MAC1202422A

ACCESSORIES

Roberts-Hamilton Code	Description	Used With	Model Number
452-1100	LP Kit		NAHA01001LP
452-0111	3" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+)		NAHA001CV
452-0112	2" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+)		NAHA002CV
452-1102	Touch Screen Thermostat for F9MAC		TSTST01015C



Enduring Performance

96% AFUE Two-Stage Variable Speed Gas Furnace



TSTST01015C

Easier to Sell

- 96% AFUE, all models, all positions
- Two-stage heating operation
- Xtra SEER variable speed ECM blower motor
- Supports two-stage cooling units
- Dehumidification feature in cooling

Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel RPJ primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

Quieter

- Two-speed induced draft combustion blower
- Variable speed ECM blower motor
- Fully insulated steel cabinet

Easier to Install and Service

- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 35" (889mm) high, for ease of installation
- Four position – upflow/downflow/horizontal (left/right) installation

Warranty *

- 10 year No Hassle Replacement limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty – With timely registration, an additional 5 year parts limited warranty

* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.

UPFLOW / DOWNFLOW / HORIZONTAL

96% AFUE Two-Stage Variable Speed Gas Furnace

Roberts-Hamilton Code	Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Dimensions H x W x D Inches	Shipping Wt. Lbs (Kg)	Model Number
452-0801	40,000	96%	440-905	35 x 14-3/16 x 29.5	121 (54)	F9MVT0401410A
452-0804	60,000	96%	435-1475	35 x 17-1/2 x 29.5	142 (64)	F9MVT0601714A
452-0807	80,000	96%	555-1610	35 x 17-1/2 x 29.5	152 (68)	F9MVT0801716A
452-0810	100,000	96%	480-1805	35 x 21 x 29.5	166 (75)	F9MVT1002116A
	120,000	96%	480-2115	35 x 24-1/2 x 29.5	190 (86)	F9MVT1202422A

ACCESSORIES

Roberts-Hamilton Code	Description	Used With	Model Number
452-1100	LP Kit		NAHA01001LP
452-0111	3" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+)		NAHA001CV
452-0112	2" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+)		NAHA002CV
452-1102	Touch Screen Thermostat for F9MAC		TSTST01015C



Arcoaire[®]
Air Conditioning & Heating

Enduring Performance

95% AFUE
Single Stage Furnace
Multiposition



Flexibility

- Dual certified venting (1 or 2 pipes) Direct Vent furnace
- 40" high with wider cabinets, for ease of installation
- Factory shipped as natural gas, with LP Gas conversion kits available
- Upflow/horizontal installation
- Vent pipe can be run horizontally or vertically
- Internal condensate drain system

Service

- Self diagnostics.
- Entire blower assembly mounted on rails.

Comfort

- Adjustable timed blower off delay.
- Thermal lined, one piece steel cabinet for noise reduction.
- 24 and 115 VAC humidifier terminal
- Insulated blower compartment.
- Electronic air cleaner terminal.

Efficiency

- 95% AFUE, upflow & downflow.
- Up to 95% AFUE, horizontal
- Single stage gas valve operation.
- Single stage integrated control.
- Multispeed, prelubricated PSC blower motors
- BPM Variable speed DC motor.
- Induced draft blower.
- In-shot burners.
- California NOx approved

Quality

- RPJ III Stainless steel heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Dependable hot surface ignition with Silicon Nitride igniter
- Flame roll-out sensors standard

Warranty *

- 5 year No Hassle Replacement limited warranty
 - Lifetime heat exchanger limited warranty with timely registration
 - 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply.
See warranty certificate for complete details.

DLX 95
Single Stage

UPFLOW / DOWNFLOW / HORIZONTAL

Roberts-Hamilton Code	Dimensions H x W x D (In.)	Input (MBTUH)	AFUE			Cooling Capacity	Model Number
			Upflow	Horiz	Downflow		
452-0006	40 x 19-1/8 x 29	60,000	95.0%	95.0%	95.0%	1.5-3.0 TON	H9MPX060F12A
	40 x 22-3/4 x 29	80,000	95.0%	94.4%	95.0%	2.0-3.0 TON	H9MPX080J12A
452-0008	40 x 22-3/4 x 29	80,000	95.0%	95.0%	95.0%	2.0-4.0 TON	H9MPX080J16A
452-0010	40 x 24-1/2 x 29	100,000	95.0%	95.0%	95.0%	3.0-5.0 TON	H9MPX100L20A

ACCESSORIES

Roberts-Hamilton Code	Description	Model Number
452-0111	3" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+)	NAHA001CV
452-0112	2" Concentric Vent Kit - allows single wall penetration for 2 pipe direct vent applications (90+)	NAHA002CV
	Gas Conversion Kits – Natural gas to Propane conversion Kit. Allows field conversion to Propane gas.	NAHA00701LP 1178473 (Fast #)



Enduring Performance

80% Single Stage Heating Furnace



Easier to Sell

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC and 115 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes with approved kit
- N8MSL California NOx approved
- Certified to leak 2 percent or less of nominal air conditioning CFM delivered when pressurized to 1-inch Water Gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

Tougher

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

Quieter

- In-shot burners

Easier to Install and Service

- 33 1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

Warranty *

- 20 year heat exchanger limited warranty
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.

UPFLOW / DOWNFLOW / HORIZONTAL (NATURAL GAS)

80% Single Stage Heating Furnace

Roberts-Hamilton Code	Heat Exchangers	Dimensions H x W x D (In.)	Input (MBTUH)	Efficiency AFUE	Cooling Cap. CFM Range @ .5 in. w.c. (125 Pa)	Model Number
452-0715	Limited 20 year	33-1/3 x 14-3/16 x 29	44,000	80%	1.5-3.0 TON	N8MSN0451412A
452-0717	Limited 20 year	33-1/3 x 14-3/16 x 29	66,000	80%	1.5-3.0 TON	N8MSN0751412A
452-0719	Limited 20 year	33-1/3 x 14-3/16 x 29	88,000	80%	2.0-3.5 TON	N8MSN0902120A

ACCESSORIES

Roberts-Hamilton Code	Description	Model Number
454-5440	Natural gas to LP (propane) conversion Kit. Allows field conversion (propane) gas. Includes LP Pressure Switch.	1172958
452-0501	Twining Kit - Allows operation of two identical-size model furnaces.	NAHA004WK



Enduring Performance

**HI-BOY UPFLOW
OUF**



Features

- Fan Control Switch – for continuous low speed.
- Accessory terminals – prewired for easy add-on electronic air cleaner and power humidifier. Air conditioning ready for easy add-on.
- Large external front clean out – for easy cleaning.
- Clean out – sealed from blower compartment (no soot to spread).
- Easy Access – control panel.
- Sight Glass/View Port
- Furnaces – are available with your choice of high efficiency burners. (Burners ordered and shipped separately)
- Test Ports – factory installed to provide efficient access for set-up and service.
- “Easy Access” heat exchanger – manufactured from heavy gauge steel.
- Multi-Speed Direct Drive Motors – permanently lubricated for long life performance.
- Heavy-duty insulated cabinet – for quiet operation.
- Approved for 1” clearance to combustibles – for tight installations.
- Ceramic combustion chamber – withstands temperature of 2600° F with unique “self aligning” design.
- Precision balanced blower – ensures quiet, efficient air distribution.
- Raised cabinet base – allows air to circulate under the cabinet. Eliminates dampness.
- Approved – For Direct Vent application.
- Efficient – Up to 82.2% AFUE.
- **Warranty – Limited lifetime on heat exchanger, five(5) years on burner and most other parts.**

HI-BOY UPFLOW

*HI-BOY
UPFLOW*

Roberts Hamilton Code	Dimensions H x W x D (In.)	Cooling Capacity .5 in. w.c.	Model Number
452-0479	48 x 21 x 18.90	2-3 TON	OUF105A12C
Kit Components			
1 - Arcoaire OUF105A12C Oil Hi-Boy Furnace less Burner			
1 - Arcoaire N01J040 Oil Burner			
1 - Arcoaire HBVEST1M 5 Vestibule Kit			



Enduring Performance

**LO-BOY OIL FURNACE
OLF**



FEATURES

- Fan Control Switch – for continuous fan operation.
- Accessory terminals – prewired for easy add-on electronic air cleaner and power humidifier. Air conditioning ready for easy add-on.
- Large external front clean out – for easy cleaning.
- Clean out – sealed from blower compartment (no soot to spread).
- Easy Access – control panel.
- Sight Glass/View Port – (some models only)
- Furnaces – are available with your choice of high efficiency burners. (Burners ordered and shipped separately)
- “Easy Access” heat exchanger – manufactured from heavy gauge steel.
- Multi--Speed Direct DriveMotors – permanently lubricated for long life performance.
- Heavy--duty insulated cabinet – for quiet operation.
- Approved for 1” clearance to combustibles – for tight installations.
- Ceramic combustion chamber – withstands temperature of 2600° F with unique “self aligning” design.
- Precision balanced blower – ensures quiet, efficient air distribution.
- Raised cabinet base – allows air to circulate under the cabinet. Eliminates dampness.
- Approved – For Direct Vent application. (some models only)
- Efficient – Up to 81.5% AFUE.
- **Warranty – Limited lifetime on heat exchanger, five(5) years on burner and most other parts.**

LO-BOY UPFLOW

*LOW BOY
UPFLOW*

Roberts Hamilton Code	Dimensions H x W x D (In.)	Cooling Capacity .5 in. w.c.	Model Number
452-0481	32 x 21 x 41	1.5-3 TON	OLF105A12C
Kit Components			
1 - Arcoaire OLF105A12B Oil Lo-Boy Furnace less Burner			
1 - Arcoaire N01J040 Oil Burner			
1 - Arcoaire LBVEST1M 5 Vestibule Kit			