

ARMSTRONG AIR GAS FURNACES

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Expert Service. Quality Products. Since 1960.

ARMSTRONG AIR GAS FURNACES

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97% AFUE — MODULATING VARIABLE SPEED — A97-MV

Configurations

- Upflow / Horizontal
- Downflow

Heat Exchanger Design

- 409 stainless steel primary heat exchanger with crimped no-weld construction
- AL 29-4C stainless steel secondary heat exchanger

Cabinet Design

- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System

- ECM™ variable speed blower motor
- Easily removable slide-out blower design

Controls

- Communicating control enabled
- Modulating gas valve
- Thermostat flexibility – works with Comfort Sync™ or a conventional thermostat
- Self diagnostics saves last 10 fault codes regardless of power interruption

Venting

- Category 4 direct vent appliance (2 pipe only)

Installation Features

- Left or right utility connections
- Zero step horizontal conversion
- Removable floor base for bottom return air



ARMSTRONG AIR GAS FURNACES

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97% AFUE — MODULATING VARIABLE SPEED — A97-MV (cont'd)

Model Number Guide

Brand	AFUE	Config	Stages	Blower	BTUH Input	Cabinet Width	Nom. CFM x 100	Heat Exch. Code	Major Revision
A	97	U S	M	V	110	C	20	S	- 01
A = Armstrong Air/AirEase 97 = 97% Efficiency U = Upflow/Horizontal D = Downflow S = Communicating Enabled M = Modulation V = Variable Speed Heating Input x 1000 Numeric code S = Stainless steel Heat Exchanger 08 = 2 Ton add on cooling 12 = 3 Ton add on cooling 16 = 4 Ton add on cooling 20 = 5 Ton add on cooling A = 14.5" width B = 17.5" width C = 21.0" width D = 24.5" width									

ITEM #	MODEL	DESCRIPTION	APPROX. SHP. WEIGHT (LBS)
890780	A97USMV070B12S	Upflow/Horizontal	138
890782	A97USMV090C12S	Upflow/Horizontal	155
890784	A97USMV090C16S	Upflow/Horizontal	165
890786	A97USMV090C20S	Upflow/Horizontal	165
890788	A97USMV110C20S	Upflow/Horizontal	175
890790	A97USMV135D20S	Upflow/Horizontal	190
890792	A97DSMV070B12S	Downflow	140
890794	A97DSMV090C16S	Downflow	165
890796	A97DSMV090C20S	Downflow	165
890798	A97DSMV110C20S	Downflow	174

NOTE: For Technical Data see www.armstrongair.com

ARMSTRONG AIR GAS FURNACES

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96% AFUE — MODULATING VARIABLE SPEED — A96-MV

Configurations

- Upflow / Horizontal
- Downflow

Heat Exchanger Design

- 409 stainless steel primary heat exchanger with crimped no-weld construction
- AL 29-4C stainless steel secondary heat exchanger

Cabinet Design

- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System

- ECM™ variable speed blower motor
- Easily removable slide-out blower design

Controls

- Modulating gas valve
- Self diagnostics saves last 10 fault codes regardless of power interruption

Venting

- Category 4 direct vent appliance

Installation Features

- Left or right utility connections
- Zero step horizontal conversion
- Removable floor base for bottom return air



ARMSTRONG AIR GAS FURNACES

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96% AFUE — MODULATING VARIABLE SPEED — A96-MV (cont'd)

Model Number Guide

	Brand	AFUE	Config	Stages	Blower	BTUH Input	Cabinet Width	Nom. CFM x 100	Heat Exch. Code	Major Revision
	A	96	UH	M	V	110	C	20	S	- 01
A = Armstrong Air										
96 = 96% Efficiency										Numeric code
UH = Upflow/Horizontal DF = Downflow									S = Stainless steel Heat Exchanger	
M = Modulation									08 = 2Ton add on cooling 12 = 3Ton add on cooling 16 = 4Ton add on cooling 20 = 5Ton add on cooling	
V = Variable Speed										
Heating Input x 1000										
									A = 14.5" width B = 17.5" width C = 21.0" width D = 24.5" width	

ITEM #	MODEL	DESCRIPTION	APPROX. SHP. WEIGHT (LBS)
890802	A96UHMV070B12S	Upflow/Horizontal	138
890804	A96UHMV090C12S	Upflow/Horizontal	155
890806	A96UHMV090C16S	Upflow/Horizontal	165
890808	A96UHMV090C20S	Upflow/Horizontal	165
890810	A96UHMV110C20S	Upflow/Horizontal	175
890812	A96UHMV135D20S	Upflow/Horizontal	190
890814	A96DFMV070B12S	Downflow	140
890816	A96DFMV090C16S	Downflow	165
890818	A96DFMV090C20S	Downflow	165
890820	A96DFMV110C20S	Downflow	174

NOTE: For Technical Data see www.armstrongair.com

ARMSTRONG AIR GAS FURNACES

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95% AFUE — A95-2V

Configurations

- Upflow / Horizontal
- Downflow

Heat Exchanger Design

- 409 Stainless steel primary heat exchanger material
- AL29-4C Stainless steel secondary heat exchanger
- Non-welded crimped S-curve primary heat exchanger design for maximum durability

Burners

- Aluminized steel inshot burners for smooth ignition
- Isolated burner enclosure for quiet operation

Cabinet Construction

- Compact 33" height
- Standardized widths for easy coil fit
- Unitized construction for cabinet integrity
- Heat exchanger compartment and blower compartment insulated to increase efficiency and reduce sound levels
- Baked on prepainted steel cabinet finish

Air Delivery System

- Efficient ECM variable speed blower motor
- Motor features "soft start" and "soft stop" for quiet operation
- Active and passive dehumidification feature
- Easily removable slide-out blower design
- Dynamically balanced blower wheel with resilient motor mounts for smooth and quiet operation

Controls

- Two stage gas valve
- Integrated ignition and fan control
- System Sentry™ control retains last five (5) fault codes with push button memory recall, regardless of power interruption
- Hot surface ignition system uses silicon nitride ignitor
- Control features 120 volt electronic air cleaner and humidifier terminals
- Control circuit is fuse protected
- Color coded control wiring
- Compatible with single or two stage thermostats for heating. *Two stage thermostat is required when installed with two stage cooling unit.*



Venting

- 2-speed induced draft motor with stainless steel shaft, steel ball bearings, and fan cooled for long life
- Vent materials for Canadian applications must comply with ULC S636
- Certified for direct vent (2-pipe) and in-direct (1-pipe) applications

Installation Features

- Left or right gas and electric entry
- Zero step horizontal conversion
- Removable floor base (upflow/horizontal units) for bottom return air

ARMSTRONG AIR GAS FURNACES

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95% AFUE — A95-2V (cont'd)

Model Number Guide

Brand	AFUE	Config	Stages	Blower Input	BTUH Width	Cabinet	Nom. CFM x 100	Heat Exch	Major Revision Code
A	95	UH	2	V	110	C	16	S	-01

A = Armstrong Air
 95 = 95 % Efficiency
 UH = Upflow/Horizontal
 DF = Downflow
 2 = 2 Stage
 V = Variable Speed drive
 Heating Input x 1000
 S = Stainless Steel Heat Exchanger
 12 = 3 Ton add on cooling
 16 = 4 Ton add on cooling
 20 = 5 Ton add on cooling
 B = 17.5" width
 C = 21.0" width
 D = 24.5" width

2-Stage Variable – Upflow/Horizontal

ITEM #	MODEL	APPROX. SHP. WEIGHT (LBS)
890400	A95UH2V045B12S	130
890402	A95UH2V070B12S	138
890404	A95UH2V090C12S	154
890406	A95UH2V090C16S	165
890408	A95UH2V090C20S	166
890410	A95UH2V110C16S	173
890412	A95UH2V110C20S	174
890414	A95UH2V135D20S	188

2-Stage Variable – Downflow

ITEM #	MODEL	APPROX. SHP. WEIGHT (LBS)
890430	A95DF2V045B12S	131
890432	A95DF2V070B16S	138
890434	A95DF2V090C20S	166
890436	A95DF2V110C20S	176

NOTE: For Technical Data see www.armstrongair.com

ARMSTRONG AIR GAS FURNACES

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95% AFUE — CONSTANT TORQUE MOTOR — A95-1E

Configurations

- Upflow / Horizontal
- Downflow

Heat Exchanger Design

- Stainless steel primary heat exchanger with crimped non-welded construction
- AL 29-4C Stainless steel secondary heat exchanger

Burner

- Aluminized steel inshot burners for smooth ignition

Cabinet Design

- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System

- Multi-speed high efficiency (constant torque) blower motor
- Easily removable slide-out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment

Controls

- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting

- Designed certified for direct (2-pipe) and non direct (1-pipe) applications
- Easily vented with PVC pipe



Installation Features

- Left or right utility connection
- Design certified for direct and non-direct vent applications
- Zero step horizontal conversion
- Removable floor base (upflow / horizontal units) for bottom return air

ARMSTRONG AIR GAS FURNACES

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95% AFUE — CONSTANT TORQUE MOTOR — A95-1E (cont'd)

Model Number Guide

Brand	AFUE	Config	Stages	Blower	BTUH Input	Cabinet Width	Nom. CFM x 100	Heat Exch. Code	Major Revision
A	95	UH	1	E	110	C	20	S	- 01
A = Armstrong Air 95 = 95% Efficiency UH = Upflow/Horizontal DF = Downflow 1 = 1 Stage E = High Efficiency Motor Heating Input x 1000 Numeric code S = Stainless Steel Heat Exchanger 12 = 3 Ton add on cooling 16 = 4 Ton add on cooling 20 = 5 Ton add on cooling B = 17.5" width C = 21.0" width D = 24.5" width									

ITEM #	MODEL	DESCRIPTION	APPROX. SHP. WEIGHT (LBS)
890920	A95UH1E045B12S	Upflow/Horizontal	129
890922	A95UH1E070B12S	Upflow/Horizontal	136
890924	A95UH1E090C16S	Upflow/Horizontal	160
890926	A95UH1E110C20S	Upflow/Horizontal	170
890928	A95UH1E135D20S	Upflow/Horizontal	187
890930	A95DF1E045B12S	Downflow	131
890932	A95DF1E070B16S	Downflow	146
890934	A95DF1E090C16S	Downflow	162
890936	A95DF1E110C20S	Downflow	174

NOTE: For Technical Data see www.armstrongair.com

ARMSTRONG AIR GAS FURNACES

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95% AFUE — SINGLE STAGE — A951D-A / A951D-S

Configurations

- Upflow / Horizontal
- Downflow

Heat Exchanger Design

- Aluminized steel primary heat exchanger with crimped no weld construction for "A" models
- AL 29-4C Stainless steel secondary heat exchanger
- Stainless steel primary heat exchanger with crimped no weld construction for "S" models

Burner

- Aluminized steel inshot burners for smooth ignition

Cabinet Design

- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System

- Multi-speed PSC blower motor
- Easily removable slide out blower design

Controls

- Single stage gas valve
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting

- Designed certified for direct and non direct applications



Installation Features

- Left or right utility connection
- Design certified
- Zero step horizontal conversion
- Removable floor base for bottom return air

Model Number Guide

	Brand	AFUE	Config	Stages	Blower	BTUH Input	Cabinet Width	Nom. CFM x 100	Heat Exch. Code	Major Revision
	A	95	UH	1	D	110	C	16	A	- 01
A = Armstrong Air										Numeric code
95 = 95% Efficiency										S = Stainless Steel Heat Exchanger
UH = Upflow/Horizontal DF = Downflow										A = Aluminized Heat Exchanger
1 = 1 Stage										08 = 2 Ton add on cooling 12 = 3 Ton add on cooling 16 = 4 Ton add on cooling 20 = 5 Ton add on cooling
D = Direct Drive										B = 17.5" width C = 21.0" width D = 24.5" width
Heating Input x 1000										

ARMSTRONG AIR GAS FURNACES

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95% AFUE — SINGLE STAGE — A951D-A / A951D-S (cont'd)

A951D-A

ITEM #	MODEL	DESCRIPTION	APPROX. SHP. WEIGHT (LBS)
890856	A95UH1D045B08A	Upflow/Horizontal	121
890858	A95UH1D045B12A	Upflow/Horizontal	123
890860	A95UH1D070B12A	Upflow/Horizontal	128
890862	A95UH1D090C12A	Upflow/Horizontal	145
890864	A95UH1D090C16A	Upflow/Horizontal	148
890866	A95UH1D110C16A	Upflow/Horizontal	157
890868	A95UH1D110C20A	Upflow/Horizontal	163
890870	A95UH1D135D20A	Upflow/Horizontal	180
890872	A95DF1D045B12A	Downflow	125
890874	A95DF1D070B12A	Downflow	131
890876	A95DF1D090C20A	Downflow	150
890878	A95DF1D110C20A	Downflow	165

A951D-S

ITEM #	MODEL	DESCRIPTION	APPROX SHP. WEIGHT (LBS)
890832	A95UH1D045B08S	Upflow/Horizontal	121
890834	A95UH1D045B12S	Upflow/Horizontal	123
890836	A95UH1D070B12S	Upflow/Horizontal	128
890838	A95UH1D090C12S	Upflow/Horizontal	145
890840	A95UH1D090C16S	Upflow/Horizontal	148
890842	A95UH1D110C16S	Upflow/Horizontal	157
890844	A95UH1D110C20S	Upflow/Horizontal	163
890846	A95UH1D135D20S	Upflow/Horizontal	180
890848	A95DF1D045B12S	Downflow	125
890850	A95DF1D070B12S	Downflow	131
890852	A95DF1D090C20S	Downflow	150
890854	A95DF1D110C20S	Downflow	165

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ARMSTRONG AIR GAS FURNACES

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93% AFUE — SINGLE STAGE — A93D

Configurations

- Upflow / Horizontal
- Downflow

Heat Exchanger Design

- Aluminized steel primary heat exchanger with crimped no weld construction for "A" models
- AL 29-4C Stainless steel secondary heat exchanger

Burner

- Aluminized steel inshot burners for smooth ignition

Cabinet Design

- Compact 33" height
- Standardized widths for easy coil fit

Air Delivery System

- Multi-speed PSC blower motor
- Easily removable slide out blower design

Controls

- Single stage gas valve
- Self diagnostics saves last 5 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

Venting

- Design certified for direct and non direct applications



Installation Features

- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base for bottom return air

ARMSTRONG AIR GAS FURNACES

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93% AFUE — SINGLE STAGE — A93D (cont'd)

Model Number Guide

Brand	AFUE	Config	Stages	Blower	BTUH Input	Cabinet Width	Nom. CFM x 100	Heat Exch. Code	Major Revision
A	93	UH	1	D	110	C	16	A	- 01
A = Armstrong Air 93 = 93% Efficiency UH = Upflow/Horizontal DF = Downflow 1 = 1 Stage D = Direct Drive Heating Input x 1000 08 = 2 Ton add on cooling 12 = 3 Ton add on cooling 16 = 4 Ton add on cooling 20 = 5 Ton add on cooling A = Aluminized Heat Exchanger B = 17.5" width C = 21.0" width D = 24.5" width Numeric code									

ITEM #	MODEL	DESCRIPTION	APPROX. SHP. WEIGHT (LBS)
890892	A93UH1D045B08A	Upflow/Horizontal	120
890894	A93UH1D045B12A	Upflow/Horizontal	122
890896	A93UH1D070B08A	Upflow/Horizontal	125
890898	A93UH1D070B12A	Upflow/Horizontal	127
890900	A93UH1D090C12A	Upflow/Horizontal	143
890902	A93UH1D090C16A	Upflow/Horizontal	146
890904	A93UH1D110C16A	Upflow/Horizontal	155
890906	A93UH1D110C20A	Upflow/Horizontal	161
890908	A93UH1D135D20A	Upflow/Horizontal	178
890910	A93DF1D045B12A	Downflow	124
890912	A93DF1D070B12A	Downflow	129
890914	A93DF1D090C16A	Downflow	143
890916	A93DF1D110C20A	Downflow	162

NOTE: For Technical Data see www.armstrongair.com

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ACCESSORIES

CONCENTRIC VENT KITS (90% ONLY)

ITEM #	MODEL	DESCRIPTION
890138	71M80	LB-49107CG 1.5" Concentric Vent Kit
890140	69M29	2" Concentric Vent Kit
890142	60L46	3" Concentric Termination Kit
890144	51W11	605384-01 Flush Mount Vent Kit

DOWNFLOW COMBUSTIBLE FLOORING BASE

ITEM #	MODEL	DESCRIPTION
890132	11M59	LB-95048A Combustible Floor Base Kit – A
890134	11M60	LB-95048B Combustible Floor Base Kit – B
890136	11M61	LB-95048C Combustible Floor Base Kit – C

HORIZONTAL SUSPENSION KIT

ITEM #	MODEL	DESCRIPTION
890130	51W10	604889-01 Horizontal Suspension Kit

LP KITS

ITEM #	MODEL	DESCRIPTION
890146	68W77	605152-02 Natural to Propane Gas Conversion Kit (A96MV)
890148	68W75	604888-03 Assembly Kit – Natural to Propane Gas Conversion (A93, A95)
890164	78W94	604888-08 Natural to Propane Gas Conversion Kit – 2 Stage (A95-2V)

RETURN AIR BASES

Return air kits are used with the upflow/horizontal furnaces in upflow applications, to provide additional return air opening. Allows for single side entry on 5 ton air systems.

Kit Contains

- 1 Return Air Base which includes: front plate, back plate, base plate, right hand side rail, left hand side rail, patch plate.
- 12 Screws

ITEM #	MODEL	DESCRIPTION	SIZE (")
890156	68W61	For "A" Width Cabinets	14.5
890158	68W62	For "B" Width Cabinets	17.5
890160	68W63	For "C" Width Cabinets	21.0
890162	68W64	For "D" Width Cabinets	24.5

NIGHT SERVICE KIT

Common service components packaged conveniently for servicing contractors.

ITEM #	MODEL	DESCRIPTION	USED WITH	INCLUDES
890154	68W80	Single Stage	A93 – 92G A95 – 95G	Control Ignition (R10385-01) Gas Valve (73W17) Igniter (70W16) Transformer (42132) Flame Sensor (69W43)