

The Fedders 80% AFUE 2-Stage Variable Speed All-Position gas furnaces are among the smallest in the industry and are suitable for a variety of installations. The FV80 Series furnace provides homeowners with consistent air circulation and temperature control, resulting in lower monthly energy bills.

APPLICATIONS:

Perfect for a variety of installations. Free standing in an attic, utility room, closet, alcove or basement.

EFFICIENCY:

80% AFUE

Variable speed blower motor, two-stage heating and two-stage inducer allows for quiet operation and less energy consumption

EASY TO INSTALL AND SERVICE:

Built-in self diagnostics

Humidifier and electronic air cleaner terminals

Factory shipped for natural gas, with LP Gas Conversion kits available

All position capability

Left or right side gas and electric entry

Single or two-stage thermostat ready

FV80 Series All-Position Gas Furnace

80% AFUE – Two-Stage, Variable Speed

STANDARD FEATURES:

Designed for all-position installation: upflow, downflow and horizontal

35" high for ease of installation

Heavy-duty aluminized tubular heat exchanger is tested to double the standard requirements for life cycle testing with no signs of wear or corrosion

Industry proven, integrated hot surface ignition control with igniter and flame sensor positioned in coolest part of flame for ultimate performance and longevity

Aluminized-steel, multi-port inshot burners provide smooth ignition coupled with superior flame stability, low noise and reliability

Two speed draft inducer

California low NO_x approved

Multi-port in-shot burners

Insulated cabinet to increase efficiency and reduce sound levels

Two-stage gas valve

WARRANTY:

20-year limited warranty on heat exchanger

5-year limited warranty on all other parts



MODEL	INPUT (BTUH)	EFFICIENCY AFUE	COOLING CAPACITY	UNIT DIMENSIONS H x W x D (Inches)	WEIGHT (lbs.)	
					SHIPPING	OPERATING
FV80A070-4A	68,000	80%	1.5 - 3.5	35 x 17 1/2 x 28 1/4	132	119
FV80A085-4A	85,000	80%	2 - 4	35 x 20 1/2 x 28 1/4	146	132
FV80A115-5A	115,000	80%	2.5- 5	35 x 22 x 28 1/4	163	147

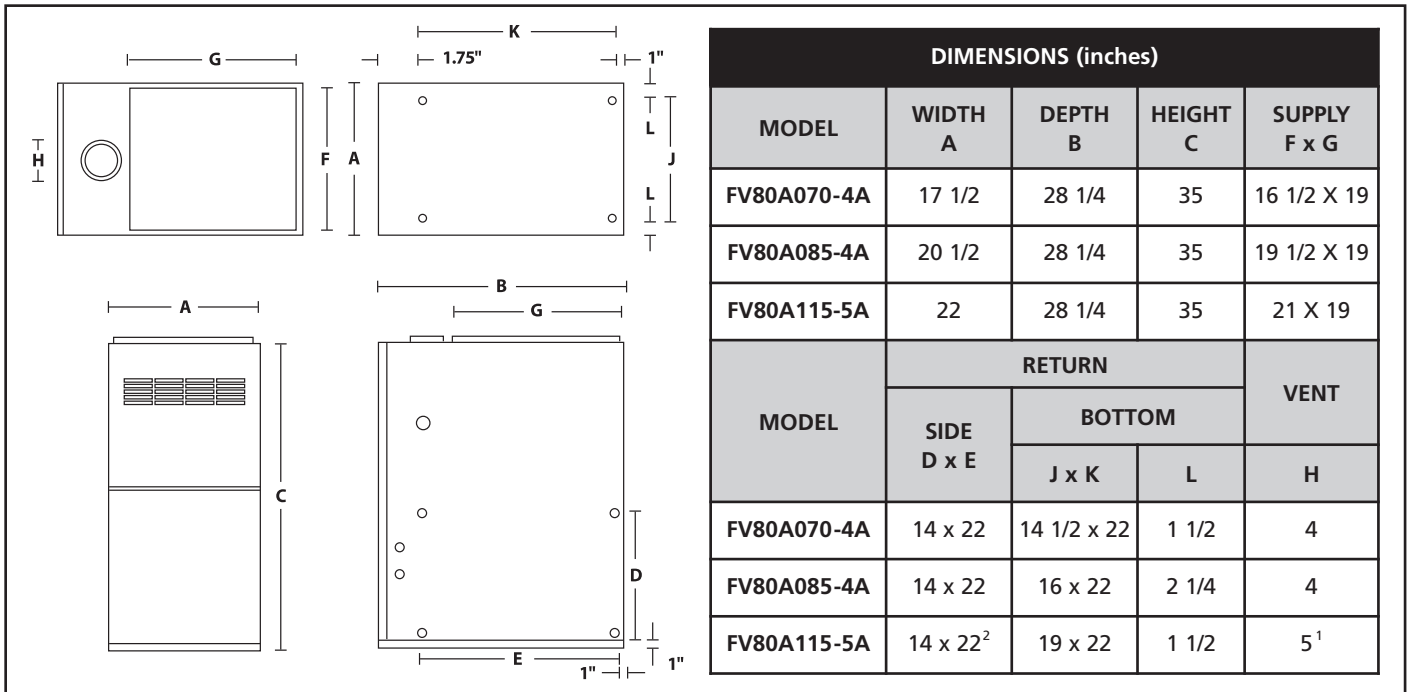
Product Specifications

PRODUCT SPECIFICATIONS				
Model Number		FV80A070-4A	FV80A085-4A	FV80A115-5A
PERFORMANCE RATINGS				
Input - High Fire (Btu) - Second Stage ¹		68,000	85,000	115,000
Output - High Fire (Btu) ¹		54,400	68,000	92,000
Input - Low fire (Btu) - First Stage ¹		47,600	59,500	80,500
Output - Low fire (Btu) ¹		38,080	47,600	64,400
AFUE		80%	80%	80%
Temp. Rise	High	30-60	30-60	30-60
	Low	25-45	30-50	25-45
Position		All position	All position	All position
Gas Connection		1/2" NPT	1/2" NPT	1/2" NPT
NO _x (Ng/l)		<40	<40	<40
ELECTRICAL DATA				
Volts, Phase, Herz		115 / 60 / 1	115 / 60 / 1	115 / 60 / 1
Min. / Max. Voltage		102 / 132	102 / 132	102 / 132
Transformer (V.A.)		40	40	40
Min. Time Delay Breaker or Fuse ²		15 AMP	15 AMP	15 AMP
HEAT EXCHANGER				
Number of Tubes		4	5	7
Approximate BTUs / Tube		17,000	17,000	17,000
Tube Diameter (inches)		1.5	1.5	1.5
Number of Passes		4	4	4
BLOWER PERFORMANCE DATA				
A/C Cooling Max. (CFM) @.5 static		1,350	1,550	1,750
Blower Wheel		10 x 8	10 x 10	11 x 10
A/C Cooling Tons @ .5 esp		1.5 - 3.5	2 - 4	2.5 - 5
Motor Speed		Variable	Variable	Variable
CABINET DIMENSIONS				
Cabinet Width (inches)		17 1/2	20 1/2	22
Cabinet Height (inches)		35	35	35
Cabinet Depth (inches)		28 1/4	28 1/4	28 1/4
Volume (Cubic Feet)		10.28	12.05	12.93
PACKAGING DIMENSIONS				
Package Width (inches)		21 1/4	24 1/4	25 3/4
Package Height (inches)		37 3/4	37 3/4	37 3/4
Package Depth (inches)		31 3/4	31 3/4	31 3/4
Loadability 40' High Cube Container		116	104	100
Packaged Weight (lbs)		132	146	163

NOTES:

- Values based on Natural Gas usage
- Important: It is required to size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes

Product Specifications



CLEARANCE TO COMBUSTIBLES (inches)			
SURFACE	UPFLOW	DOWNFLOW	HORIZONTAL
Top	1	0	2
Front	3 1/2	3 1/2	3 1/2
Flue C-Vent	6	6	6
Flue B-Vent	1	1	1
Back	0	0	0
Side or End	0	0	1
Floor	0	0	0
Supply Air Plenum	1	1	Top
			End
			3
Return Air Plenum	0	0	0

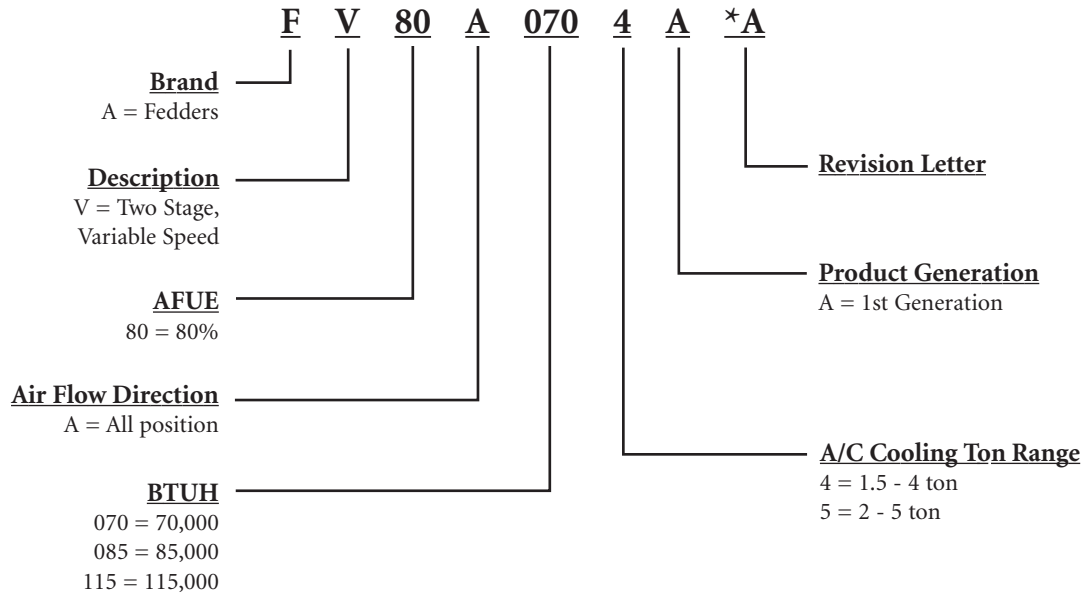
FIELD-INSTALLED ACCESSORIES		
PART NUMBER	DESCRIPTION	MODEL USED WITH
30482	Natural to LP gas conversion kit	All
30551	LP to Natural gas conversion kit	All
30476	Combustible Floor Sub-base	Downflow Only
30553	High Altitude Kit - US	All
30552	High Altitude Kit - Canada	All

NOTE: Combustible floor kit required for the downflow configuration

1. Vent and combustion air diameters may vary depending upon vent length. Refer to the latest editions of the National Fuel Gas Code. Field supplied 5" to 4" reducer kit required for model 115-5.
2. Two return air openings required.

Product Specifications

MODEL NOMENCLATURE:



Fedders Corporation
505 Martinsville Rd.
Liberty Corner, NJ 07938 USA
(908) 604-8686
Form No. F-V80-0607

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