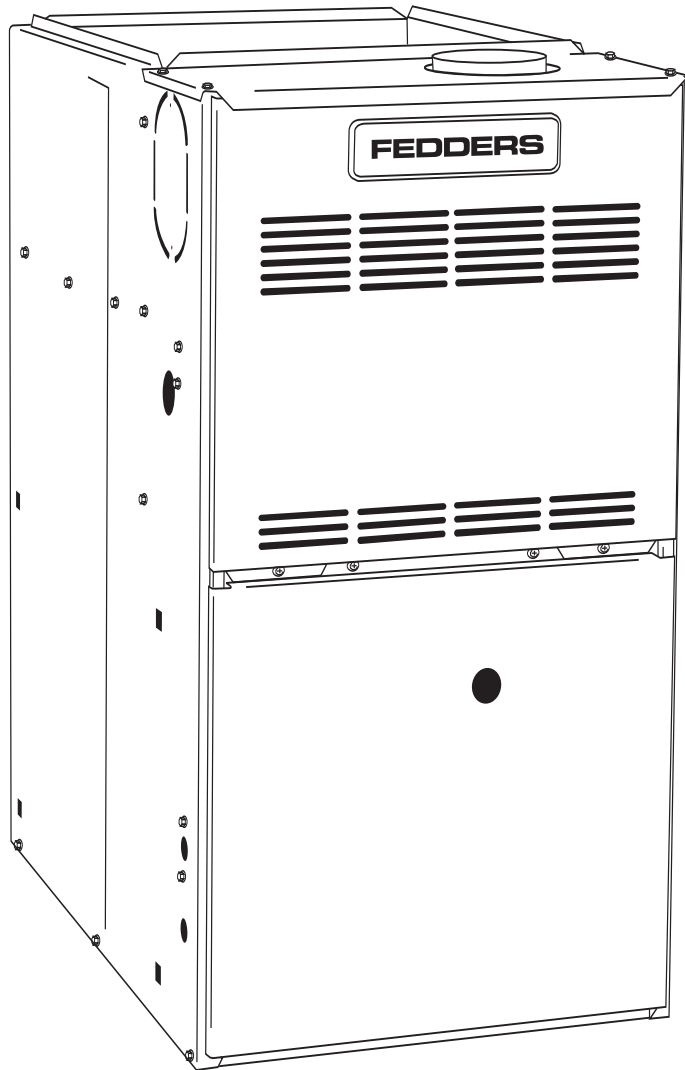


F80 Series All-Position Gas Furnace

80% AFUE – 35,000 - 135,000 BTUH



The Fedders All-Position gas furnaces are 35" tall and ready to accommodate the 13 SEER "A" Coils for today's more efficient air conditioning systems and the changing needs of home construction. The unique F80 All-Position Furnace is designed with the contractor and consumer in mind.

APPLICATIONS:

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

FEATURES:

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

Quality design provides all the features of higher cost competitive units at a more reasonable price

All models comply with California low NOX (an added cost option on competitors' products)

3 position inducer capability

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

Low voltage terminal blocks

Factory shipped for natural gas, with LP gas conversion kits available

Left or right hand gas and electrical entry

Multi-speed PSC, direct drive blower motors to match your cooling requirements

Industry proven integrated furnace control with built in self diagnostics

WARRANTY:

20-year limited warranty on heat exchanger

5-year limited warranty on all other parts

F80 Series All-Position Gas Furnace

PRODUCT SPECIFICATIONS

MODEL NUMBER	F80A035-2	F80A050-3	F80A070-3	F80A070-4	F80A085-3
PERFORMANCE RATINGS					
Rated Capacity (Input) BTUH ①	35,000	50,000	68,000	68,000	85,000
Rated Capacity (Output) BTUH ①	28,000	40,000	54,400	54,400	68,000
AFUE	80%	80%	80%	80%	80%
Temperature Rise	35-65	35-65	35-65	30-60	35-65
Position	All Position	All Position	All Position	All Position	All Position
Vent Pipe (inches)	4	4	4	4	4
Low Nox Capability	Standard	Standard	Standard	Standard	Standard
CABINET INFORMATION					
Cabinet Size (W) inches	14½	14½	16	17½	17½
Cabinet Size (H) inches	35	35	35	35	35
Cabinet Size (D) inches	28 ¼	28 ¼	28 ¼	28 ¼	28 ¼
Volume (Cubic Feet)	8.52	8.52	9.40	10.28	10.28
HEAT EXCHANGER					
Number of Tubes	2 primary	3 primary	4 primary	4 primary	5 primary
Approximate BTUs / Tube	17,000	17,000	17,000	17,000	17,000
Tube Diameter (inches)	1½	1½	1½	1½	1½
Number of Passes	4	4	4	4	4
AIRFLOW INFORMATION					
A/C Cooling Tons (CFM) @.5 static	800	1,200	1,200	1,600	1,200
Blower wheel	10 x 4	10 x 7	10 x 8	10 x 9	10 x 8
A/C Cooling Tons @ .5 esp	1.5 - 2	1.5 - 3	1.5 - 3	2.5 - 4	2.5 - 3
Motor Speed	1075 RPM	1075 RPM	1075 RPM	1075 RPM	1075 RPM
PACKAGING					
Package (W) inches	18¼	18¼	19¼	21¼	21¼
Package (H) inches	38½	38½	37¼	37¼	37¼
Package (D)	31¼	31¼	31¼	31¼	31¼
Loadability 40' High Cube Container	128	128	120	116	116
Packaged Weight (lbs)	105	116	127	132	138

NOTES:

① Values based on Natural Gas usage

- All furnaces are manufactured for use on 115 VAC, 60Hz, single phase electrical supply
- Gas service connection ½" NPT
- 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
- See Clearance to Combustibles chart on back page

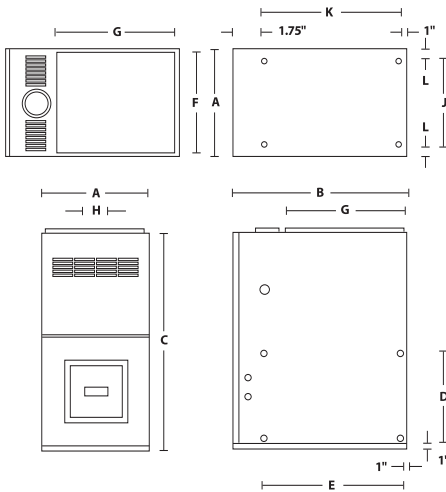
PRODUCT SPECIFICATIONS

MODEL NUMBER	F80A085-4	F80A100-3	F80A100-4	F80A100-5	F80A115-5	F80A135-5
PERFORMANCE RATINGS						
Rated Capacity (Input) BTUH ①	85,000	100,000	100,000	100,000	115,000	135,000
Rated Capacity (Output) BTUH ①	68,000	80,000	80,000	80,000	92,000	108,000
AFUE	80%	80%	80%	80%	80%	80%
Temperature Rise	30-60	35-65	35-65	30-60	30-60	30-60
Position	All Position	All Position	All Position	All Position	All Position	All Position
Vent Pipe (inches)	4	4	4	4	5	5
Low Nox Capability	Standard	Standard	Standard	Standard	Standard	Standard
CABINET INFORMATION						
Cabinet Size (W) inches	20½	20½	20½	20½	22	25
Cabinet Size (H) inches	35	35	35	35	35	35
Cabinet Size (D) inches	28¼	28¼	28¼	28¼	28¼	28¼
Volume (Cubic Feet)	12.05	12.05	12.05	12.05	12.93	14.69
HEAT EXCHANGER						
Number of Tubes	5 primary	6 primary	6 primary	6 primary	7 primary	8 primary
Approximate BTUs / Tube	17,000	17,000	17,000	17,000	17,000	17,000
Tube Diameter (inches)	1½	1½	1½	1½	1½	1½
Number of Passes	4	4	4	4	4	4
AIRFLOW INFORMATION						
A/C Cooling Tons (CFM) @.5 static	1,600	1,200	1,600	2,000	2,000	2,000
Blower wheel	10 x 10	10 x 10	10 x 10	11 x 10	11 x 10	12 x 10
A/C Cooling Tons @ .5 esp	4	3	4	5	5	5
Motor Speed	1075 RPM	1075 RPM	1075 RPM	1075 RPM	1075 RPM	1075 RPM
PACKAGING						
Package (W) inches	24¼	24½	24¼	24¼	25¼	26
Package (H) inches	37¼	37¼	37¼	37¼	37¼	37¼
Package (D)	31¼	31¼	31¼	31¼	31¼	31¼
Loadability 40' High Cube Container	104	104	104	104	100	TBD
Packaged Weight (lbs)	146	152	152	152	163	TBD

NOTES:

① Values based on Natural Gas usage

- All furnaces are manufactured for use on 115 VAC, 60Hz, single phase electrical supply
- Gas service connection ½" NPT
- 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
- See Clearance to Combustibles chart on back page



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

DIMENSIONS (inches)				
MODEL	WIDTH	DEPTH	HEIGHT	SUPPLY
	A	B	C	D
F80A035-2	14 1/2	28 1/4	35 1/4	13 1/2 x 19 1/2
F80A050-3	14 1/2	28 1/4	35 1/4	13 1/2 x 19 1/2
F80A070-3	16	28 1/4	35 1/4	15 x 19 1/2
F80A070-4	17 1/2	28 1/4	35 1/4	16 1/2 x 19 1/2
F80A085-3	17 1/2	28 1/4	35 1/4	16 1/2 x 19 1/2
F80A085-4	20 1/2	28 1/4	35 1/4	19 1/2 x 19 1/2
F80A100-3	20 1/2	28 1/4	35 1/4	19 1/2 x 19 1/2
F80A100-4	20 1/2	28 1/4	35 1/4	19 1/2 x 19 1/2
F80A100-5	20 1/2	28 1/4	35 1/4	19 1/2 x 19 1/2
F80A115-5	22	28 1/4	35 1/4	21 x 19 1/2
F80A135-5	25	28 1/4	35 1/4	21 x 19 1/2
MODEL	RETURN			VENT
	SIDE	BOTTOM		
		D x E	J x K	
	H			
F80A035-2	14 X 22	13 1/2 X 22	1/2	4
F80A050-3	14 X 22	13 1/2 X 22	1/2	4
F80A070-3	14 X 22	14 1/2 X 22	3/4	4
F80A070-4	14 X 22	14 1/2 X 22	1 1/2	4
F80A085-3	14 X 22	14 1/2 X 22	1 1/2	4
F80A085-4	14 X 22	16 X 22	2 1/4	4
F80A100-3	14 X 22	16 X 22	2 1/4	4
F80A100-4	14 X 22	16 X 22	2 1/4	4
F80A100-5	14 X 22	16 X 22	2 1/4	4
F80A115-5	14 X 22	16 X 22	1 1/2	5
F80A135-5	14 X 22	16 X 22	1 1/2	5

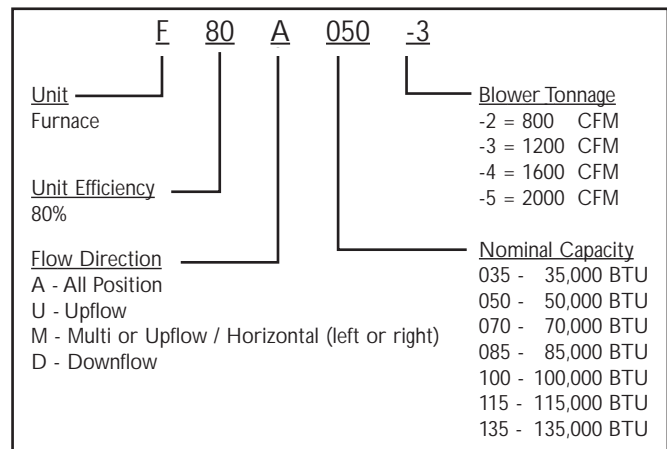
CLEARANCE TO COMBUSTIBLES

SURFACE	UPFLOW	DOWNFLOW	HORIZONTAL	
RATINGS				
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	0	
Floor	0	0	0	
Supply Air Plenum	1	1	Top 3	End 1
Return Air Plenum	0	0	0	

FIELD INSTALLED ACCESSORIES

PART	DESCRIPTION
30476	Sub-base
30482	LP Conversion Kit
30553	High Altitude Kit (US)
30552	High Altitude Kit (Canada)
30551	LP to Natural Gas Conversion Kit

NOMENCLATURE:



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Form No. F-80C-1006
FD-053-1006

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