



Air Conditioning & Heating



2 TO 5 Ton

# PRODUCT SPECIFICATIONS



## SSZ16

## 16 SEER

### HIGH-EFFICIENCY R-410A SPLIT SYSTEM HEAT PUMP

COOLING CAPACITY: 24,000 TO 57,000 BTU/H

HEATING CAPACITY: 24,000 TO 57,000 BTU/H



The Goodman® SSZ16 16 SEER Air Conditioner uses the environmentally friendly refrigerant R-410A and features energy efficiencies and operating sound levels that are among the best in the heating and cooling industry. R-410A is chlorine-free to help prevent damage to the ozone layer.

#### Standard Features

- R-410A environmentally friendly refrigerant
- High-efficiency Copeland® scroll compressor  
Single-Stage — 2 through 4 tons  
Two-Stage — 5 tons
- High- and low-pressure switches
- High-quality compressor sound blanket
- 850 RPM condenser fan motor
- Liquid refrigerant return protection
- Factory-installed, bi-flow liquid line filter dryer
- Service valves with sweat connections and gauge ports
- Copper tube/enhanced aluminum fin coil
- Reliable time-initiated, temperature-terminated defrost control
- Contactor with lug connection
- Ground lug connection
- ARI Certified; ETL Listed

#### Cabinet Features

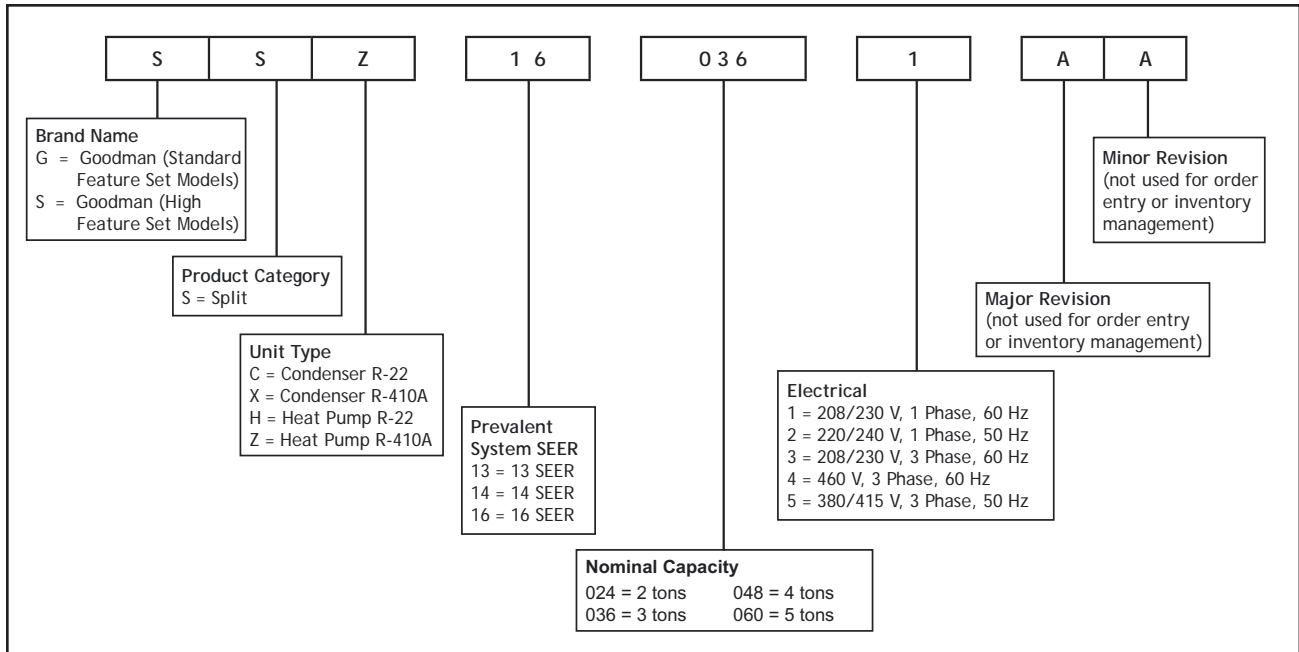
- Unique Goodman® sound control top design
- Steel louver coil guard
- Heavy-gauge galvanized-steel cabinet
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- Top and side compressor and tubing access
- Service ports and controls are accessible while unit is operating

#### Accessories

- See a list of accessories on Page 7.



**NOMENCLATURE**



**Important EnergyStar Notice:** Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet EnergyStar criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

**SPECIFICATIONS**

	<b>SSZ16 0241A</b>	<b>SSZ16 0361A</b>	<b>SSZ16 0481A</b>	<b>SSZ16 0601A</b>
<b>Capacities and Ratings</b>				
Nominal Cooling (BTU/h)	24,000	36,000	48,000	60,000
Nominal Heating (BTU/h)	24,000	36,000	48,000	60,000
Decibels	70	71	72	72
<b>Compressor</b>				
RLA	13.4	14.1	19.8	25.6
LRA	58.3	77.0	109.0	118.0
Stages	1	1	1	2
<b>Condenser Fan Motor</b>				
Horsepower	1/6	1/6	1/6	1/6
FLA	1.10	1.10	1.10	1.00
<b>Refrigerant Lines</b>				
Liquid Valve Size ("O.D.) <sup>1</sup>	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.) <sup>1</sup>	3/4"	7/8"	7/8"	7/8"
Valve Connection Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	160	190	285	280
<b>Electrical Data</b>				
Volts / Hz / Phase	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity <sup>2</sup>	17.9	18.7	25.9	33
Maximum Overcurrent Protection Device <sup>3</sup>	30	30	40	50
Min / Max Volts	197/253	197/253	197/253	197/253
Electrical Conduit Size	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
<b>Ship Weight (lbs)</b>	282	282	282	296

<sup>1</sup> Up to 35' in equivalent line length

<sup>2</sup> Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

<sup>3</sup> Must use time-delay fuses or HACR-type circuit breakers of the same size as noted

# PRODUCT SPECIFICATIONS

## PERFORMANCE RATINGS

Outdoor Unit	Indoor Units	Cooling Capacity (BTU/h)				TVA Ratings <sup>3</sup>		Heating Capacity (BTU/h)			ARI #
		Total	Sens.	SEER <sup>1</sup>	EER <sup>2</sup>	Total	Sens.	High	HSPF <sup>4</sup>	Low	
SSZ16 0241A*	AEPF303616A*+TXV	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047214
	AEPF303616B*+TXV	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1277869
	ASPF303616A*+TXV	24,000	18,700	16.0	13.0	22,300	18,500	22,600	9.5	14,000	1291298
	CA*F048*4*+MBE1600**-1+TXV	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047213
	CA*F048*4*+TXV+G*V950704C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047216
	CA*F048*4*+TXV+G*V80905C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047218
	CA*F048*4*+TXV+G*V81155C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047220
	CA*F3636*6A*+EEP+TXV	23,400	18,300	14.0	12.0	21,800	18,100	23,000	9.5	15,000	1289760
	CA*F3636*6A*+MBE1600**-1+TXV	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047212
	CA*F048*4*+TXV+G*V81155C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047215
	CA*F048*4*+TXV+G*V81155C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047217
	CA*F048*4*+TXV+G*V81155C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1047219
	CA*F3642*6A*+MBE1600**-1+TXV	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1145053
	CA*F048*4*+TXV+G*V81155C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1145054
	CA*F048*4*+TXV+G*V81155C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1145055
	CA*F048*4*+TXV+G*V81155C**	24,000	18,700	16.0	13.0	22,300	18,500	23,000	9.5	15,000	1145056
SSZ16 0361A*	AEPF426016A*+TXV	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.8	21,000	1047237
	AEPF426016B*+TXV	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.8	21,000	1277862
	ASPF303616A*+TXV	34,600	26,300	15.5	12.5	32,200	26,100	34,600	9.5	22,000	1291299
	ASPF426016A*+TXV	36,000	27,400	16.0	13.0	33,500	27,100	34,600	9.5	23,000	1291300
	CA*F060*4*+MBE2000**-1+TXV	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.8	21,000	1047238
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047228
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047226
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047225
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047227
	CA*F4860*6A*+EEP+TXV	34,600	26,300	14.5	12.2	32,200	26,100	34,400	9.5	21,000	1289759
	CA*F4860*6A*+MBE2000**-1+TXV	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1180868
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047230
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047232
	CHPF048D4*+MBE2000**-1+TXV	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.8	21,000	1047240
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047229
	CA*F048*4*+TXV+G*V81155C**	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.5	21,000	1047231
	CHPF3642D6A*+MBE2000**-1+TXV	34,600	26,300	16.0	13.0	32,200	26,100	34,400	9.8	21,000	1047239
	CHPF4860D6A*+MBE2000**-1A*+TXV	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1145316
	CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1128636
	CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1128637
	CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1128635
	CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1128634
	CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1296671
	CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1296672
CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1047234	
CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,400	9.5	21,000	1047236	
CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,600	8.8	21,000	1145052	
CA*F048*4*+TXV+G*V81155C**	34,600	25,400	16.0	13.0	32,100	25,100	34,600	8.8	21,000	1145051	

PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units	Cooling Capacity (BTU/h)				TVA Ratings <sup>3</sup>		Heating Capacity (BTU/h)			ARI #
		Total	Sens.	SEER <sup>1</sup>	EER <sup>2</sup>	Total	Sens.	High	HSPF <sup>4</sup>	Low	
SSZ16 0481A*	AEPF426016A*+TXV	45,500	35,000	15.5	12.5	42,300	34,700	46,000	9.0	29,000	1233093
	AEPF426016B*+TXV	45,500	35,000	15.5	12.5	42,300	34,700	46,000	9.0	29,000	1277863
	ASPF426016A*+TXV	45,500	35,000	15.5	12.5	42,300	34,700	46,000	9.0	30,000	1291301
	CA*F4860*6A*+EEP+TXV	45,500	35,000	14.0	12.0	42,300	34,700	46,000	9.0	29,000	1289761
	CA*F4860*6A*+MBE2000*-1+TXV	47,000	36,200	16.0	13.0	43,700	35,800	46,000	9.5	34,000	1047241
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047243
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047242
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047247
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047245
	CHPF4860*6A*+MBE2000*-1+TXV	47,000	36,200	16.0	13.0	43,700	35,800	46,000	9.5	34,000	1047252
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047244
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047246
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047250
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047248
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1296673
	CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1296674
CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047249	
CA*F048*4*+TXV+G*V81155C**	46,000	35,400	16.0	13.0	42,800	35,100	46,000	9.5	34,000	1047251	
SSZ16 0601A*	AEPF426016A*+TXV	57,000	42,200	15.0	11.5	53,000	41,900	57,000	9.0	34,600	1260952
	AEPF426016B*+TXV	57,000	42,200	15.0	11.5	53,000	41,900	57,000	9.0	34,600	1277870
	CA*F4860*6A*+MBE2000*-1+TXV	57,000	42,200	16.0	12.2	53,000	41,900	57,000	9.8	36,000	1047256
	CHPF4860*6A*+MBE2000*-1+TXV	57,000	42,200	16.0	12.2	53,000	41,900	57,000	9.8	36,000	1047258

<sup>1</sup> Seasonal Energy Efficiency Ratio; Certified per ARI 210/240 @ 80°F/ 67°F/ 95°F

<sup>2</sup> Energy Efficiency Ratio @ 80°F/ 67°F/ 95°F

<sup>3</sup> TVA Rating: BTU/h @ 75°F/ 63°F - 95°F

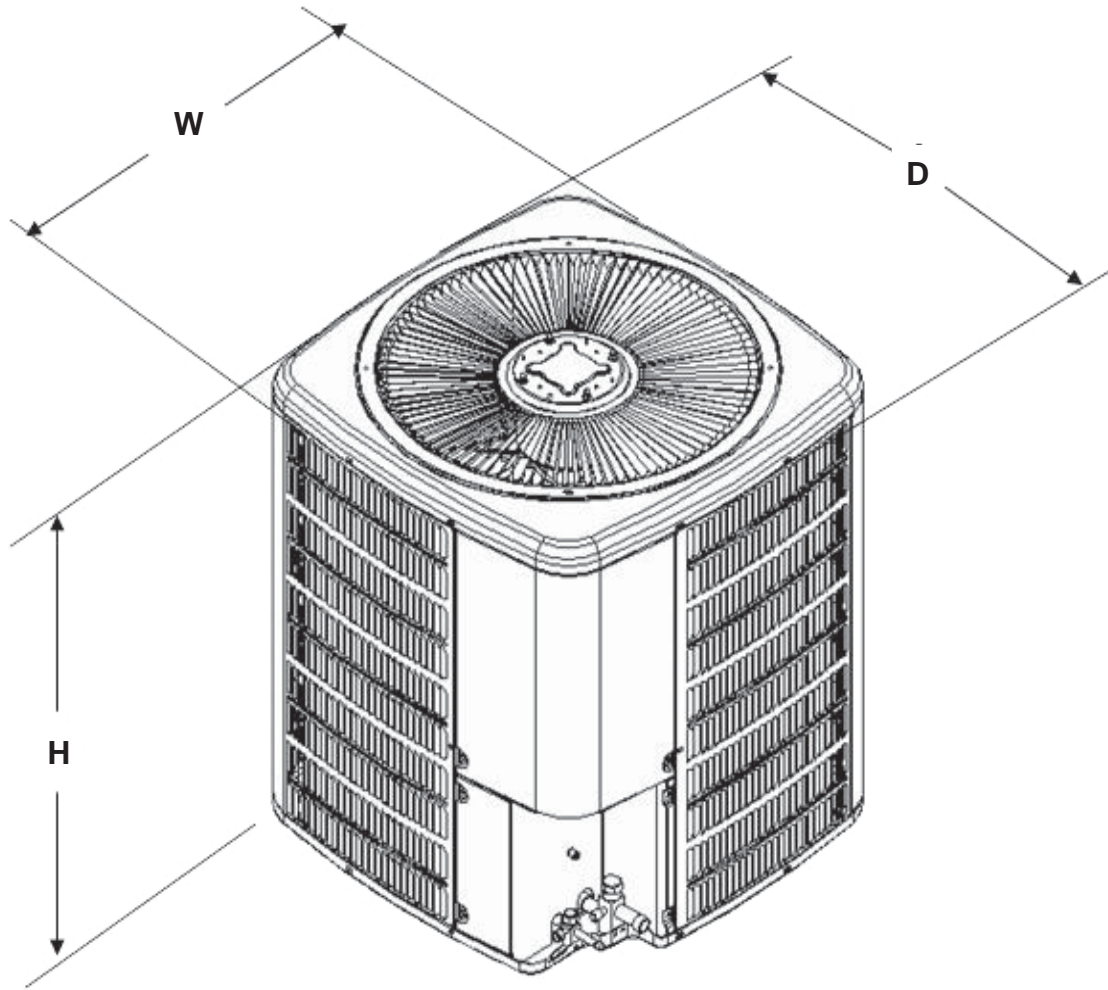
<sup>4</sup> HSPF = Heating Seasonal Performance Factor

**Notes:**

- Always check the S&R plate for electrical data on the unit being installed.
- When matching the outdoor unit to the indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.
- EEP - Order from Service Dept. Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S. The Goodman Gas Furnace contains the EEP cooling time delay

# PRODUCT SPECIFICATIONS

## DIMENSIONS



Model	Dimensions
SSZ160241AA	29x29x38¼
SSZ160361AA	35½x35½x38¼
SSZ160481AA	35½x35½x38¼
SSZ160601AA	35½x35½x38¼

## ACCESSORIES

Model	Description	SSZ16 024	SSZ16 036	SSZ16 048	SSZ16 060
ABK-20	Anchor Bracket Kit*	X	X	X	X
ASC-01	Anti-Short Cycle Kit	X	X	X	X
CSR-U-1	Hard-start Kit	X	X		
CSR-U-2	Hard-start Kit		X	X	X
CSR-U-3	Hard-start Kit			X	X
FSK01A <sup>1</sup>	Freeze Protection Kit	X	X	X	X
OT18-60A <sup>2</sup>	Outdoor Thermostat w/ Lockout Stat	X	X	X	X
TX2N4 <sup>3</sup>	TXV Kit	X			
TX3N4 <sup>3</sup>	TXV Kit		X		
TX5N4 <sup>3</sup>	TXV Kit			X	X

\* Contains 20 brackets; four brackets needed to anchor unit to pad

<sup>1</sup> Installed on indoor coil

<sup>2</sup> Required for heat pump applications where ambient temperatures fall below 0° F with 50% or higher relative humidity.

<sup>3</sup> Field-installed, non-bleed, expansion valve kit — Condensing units and heat pumps with reciprocating compressors require the use of start-assist components when used in conjunction with an indoor coil using a non-bleed thermal expansion valve refrigerant metering device.



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