



Air Conditioning & Heating



2 TO 5 TON

PRODUCT SPECIFICATIONS

SSZ16 SERIES

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 Certified

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

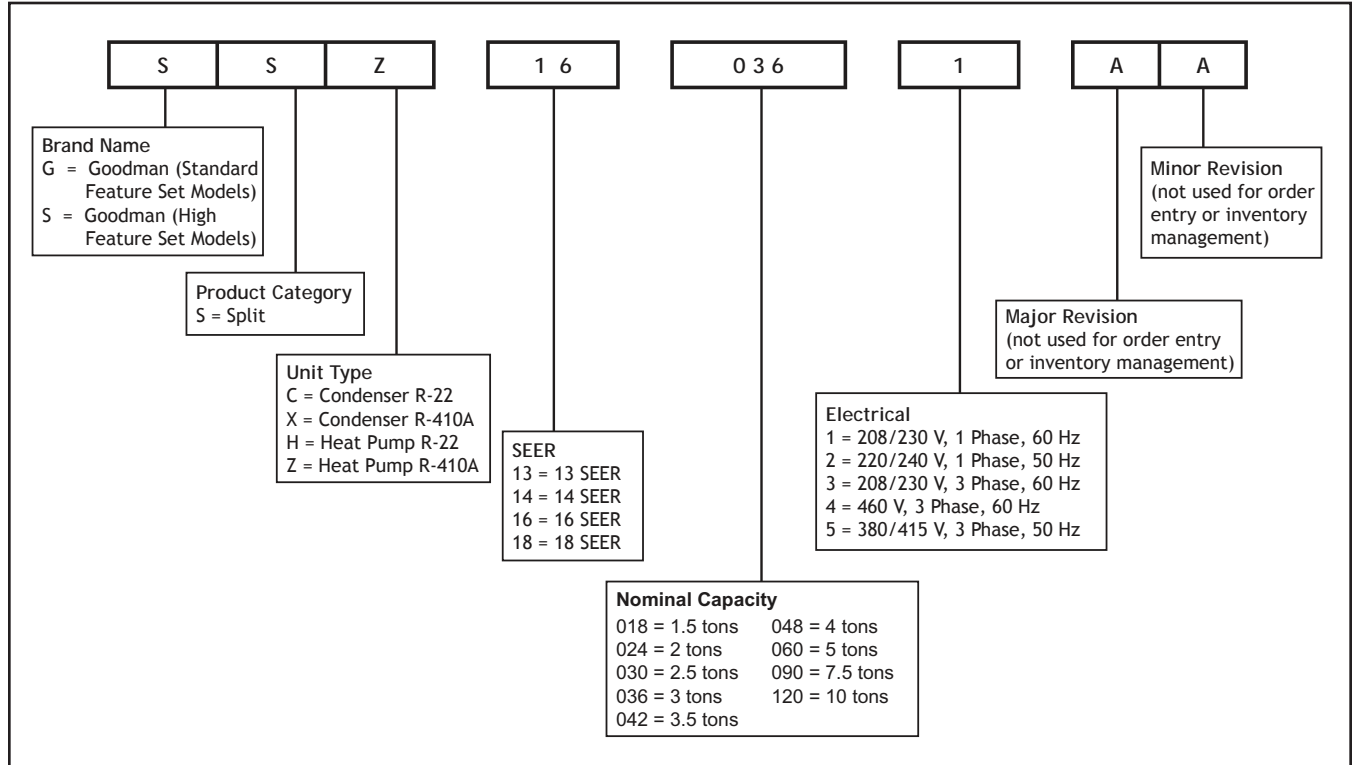
Accessories

- See Page 7.



PRODUCT SPECIFICATIONS

NOMENCLATURE



SPECIFICATIONS

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

¹ Up to 35' in equivalent line length

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

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

PRODUCT SPECIFICATIONS

PERFORMANCE RATINGS

Outdoor Unit	Indoor Unit	Cooling Capacity				TVA Ratings		Heating Capacity			ARI #
		Total	Sens.	SEER ¹	EER ²	Total	Sens.	High	HSPF ³	Low	
SSZ16 0241A*	AEPF303616A*+TXV	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047214
	CA*F048*4*+MBE1600**-.1+TXV	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047213
	CA*F048*4*+TXV+G*V81155C**	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047220
	CA*F048*4*+TXV+G*V80905C**	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047218
	CA*F048*4*+TXV+G*V950704C**	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047216
	CA*F3636*6A*+MBE1600**-.1+TXV	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047212
	CA*F3636*6A*+TXV+G*V81155C**	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047219
	CA*F3636*6A*+TXV+G*V80905C**	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047217
	CA*F3636*6A*+TXV+G*V950704C**	24,000	18,720	16	12.5	22,320	18,526	23,000	9.5	15,000	1047215
	AEPF426016A*+TXV	34,600	26,296	16	12.5	32,178	26,064	34,400	9.75	21,000	1047237
	CA*F060*4*+MBE2000**-.1+TXV	34,600	26,296	16	12.5	32,178	26,064	34,400	9.75	21,000	1047238
	CA*F060*4*+TXV+G*V950905D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047226
	CA*F060*4*+TXV+G*V951155D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047228
	CA*F3642*6A*+TXV+G*V950905D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047225
CA*F3642*6A*+TXV+G*V951155D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047227	
CHPF048*4*+TXV+G*V950905D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047230	
CHPF048*4*+TXV+G*V951155D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047232	
CHPF048D4*+MBE2000**-.1+TXV	34,600	26,296	16	12.5	32,178	26,064	34,400	9.75	21,000	1047240	
CHPF3642*6A*+TXV+G*V950905D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047229	
CHPF3642*6A*+TXV+G*V951155D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047231	
CHPF3642D6A*+MBE2000**-.1+TXV	34,600	26,296	16	12.5	32,178	26,064	34,400	9.75	21,000	1047239	
CSCF3642N6A*+TXV+G*V950905D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047233	
CSCF3642N6A*+TXV+G*V951155D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047235	
H60F+TXV+G*V950905D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047234	
H60F+TXV+G*V951155D**	34,600	26,296	16	12.5	32,178	26,064	34,400	9.5	21,000	1047236	

PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Unit	Cooling Capacity			TVA Ratings		Heating Capacity			ARI #	
		Total	Sens.	SEER ¹	EER ²	Total	Sens.	High	HSPF ³		Low
SSZ16 0481A*	CA*F4860*6A*+MBE2000**-.1+TXV	47,000	36,190	16	12.5	43,710	35,842	46,000	9.5	34,000	1047241
	CA*F4860*6A*+TXV+G*V951155D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047242
	CA*F4860*6A*+TXV+G*V950905D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047243
	CHPF060D4*+TXV+G*V950905D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047245
	CHPF060D4*+TXV+G*V951155D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047247
	CHPF4860*6A*+MBE2000**-.1+TXV	47,000	36,190	16	12.5	43,710	35,842	46,000	9.5	34,000	1047252
	CHPF4860D6A*+TXV+G*V950905D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047244
	CHPF4860D6A*+TXV+G*V951155D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047246
	CSCF4860N6A*+TXV+G*V950905D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047248
	CSCF4860N6A*+TXV+G*V951155D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047250
	H61F+TXV+G*V950905D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047249
	H61F+TXV+G*V951155D**	46,000	35,420	16	12.5	42,780	35,080	46,000	9.5	34,000	1047251
SSZ16 0601A*	CA*F4860*6A*+MBE2000**-.1+TXV	57,000	42,180	16	12	53,010	41,878	57,000	9.75	36,000	1047256
	CHPF4860*6A*+MBE2000**-.1+TXV	57,000	42,180	16	12	53,010	41,878	57,000	9.75	36,000	1047258

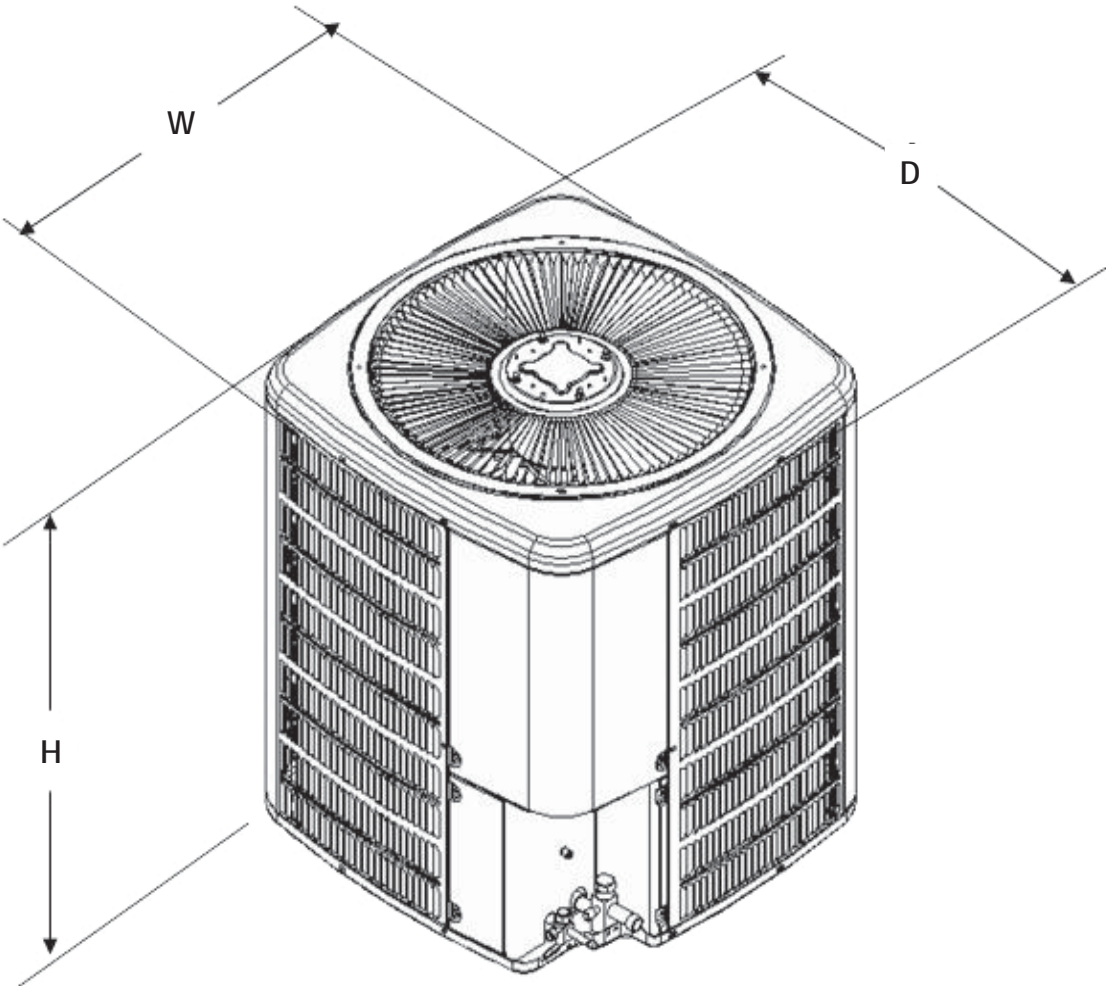
- 1 Seasonal Energy Efficiency Ratio
- 2 Energy Efficiency Ratio @ 80 ° F/67 ° F/95 ° F
- 3 HSPF = Heating Seasonal Performance Factor

Notes:

- Order the EEP from the Service Department using Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S.
- XX designates electric heat quantity
- When matching the outdoor unit to the indoor unit, use the piston supplied with the outdoor unit or what is specified on the piston kit chart supplied with the indoor unit.

PRODUCT SPECIFICATIONS

DIMENSIONS



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

ACCESSORIES

Model	Description	SSZ16 024	SSZ16 030	SSZ16 036	SSZ16 042	SSZ16 048	SSZ16 060
ASC01	Anti-Short Cycle Kit	X	X	X	X	X	X
CSR-U-1	Hard-start Kit	X	X	X			
CSR-U-2	Hard-start Kit			X	X	X	X
CSR-U-3	Hard-start Kit					X	X
FSK01A ¹	Freeze Protection Kit	X	X	X	X	X	X
OT18-60A ²	Outdoor Thermostat w/ Lockout Stat	X	X	X	X	X	X
TX2N4 ³	TXV Kit	X					
TX3N4 ³	TXV Kit		X	X			
TX5N4 ³	TXV Kit				X	X	X

¹ Installed on indoor coil

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

³ 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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