

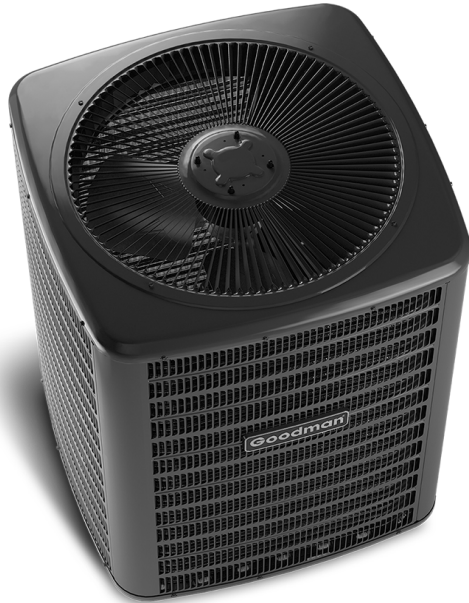


Air Conditioning & Heating

GSX14

COOLING CAPACITY : 18,000 - 60,000 BTU/H

ENERGY-EFFICIENT SPLIT SYSTEM AIR CONDITIONER UP TO 15 SEER & 12.5 EER



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Standard Features

- Energy-efficient compressor
- Single-speed condenser fan motor
- Factory-installed filter drier
- Copper tube/aluminum fin coil
- Service valves with sweat connections and easy-access gauge ports
- Contactor with lug connection
- Ground lug connection
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with a louvered sound control top
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- Steel louver coil guard
- Top and side maintenance access
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.

	<u>G</u>	<u>S</u>	<u>X</u>	<u>14</u>	<u>036</u>	<u>1</u>	<u>AA</u>	
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4,5</u>	<u>6,7,8</u>	<u>9</u>	<u>10,11</u>	
Brand	G Goodman® Brand						Engineering *	
							Major & Minor revisions	
							* Not used for inventory control.	
Product Category	S Split System				Electrical			
					1 - 208/230 V, 1 Phase, 60 Hz			
Unit Type	X Condenser R-410A		Z Heat Pump R-410A		Capacity			
					018 - 1½ tons 030 - 2½ tons 042 3½ Tons			
					019 - 1½ tons 031 - 2½ tons 043 3½ Tons			
					024 - 2 tons 036 - 3 tons 048 4 Tons			
					025 - 2 tons 037 - 3 tons 060 5 Tons			
Efficiency	13 13 SEER 16 16 SEER		14 14 SEER 18 18 SEER					

	GSX14 0181L*	GSX14 0191K*	GSX14 0241L*	GSX14 0251L*	GSX14 0301L*	GSX14 0311K*
CAPACITIES						
Max Cooling (BTU/h)	18,000	18,000	24,000	24,000	30,000	30,000
SEER/EER	14 / 12	14 / 12.2	14 / 12	14 / 12.2	14 / 12.0	14 / 12.2
Decibels	72	71	74	71	74	72
COMPRESSOR						
RLA	6.0	9.0	7.7	13.5	10.5	12.8
LRA	37.5	47.5	38.0	58.3	47.0	67.8
CONDENSER FAN MOTOR						
Hp	1/8	1/8	1/8	1/8	1/6	1/6
FLA	0.7	0.7	0.7	0.7	0.95	0.95
REFRIGERATION SYSTEM						
Refrigerant Line Size ¹						
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Refrigerant Connection Size						
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.) ^{2 3}	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Charge	75	68	72	75	85	90
Included piston:	0.051	0.053	0.057	0.057	0.067	0.063
ELECTRICAL DATA						
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Minimum Circuit Ampacity ⁴	8.2	12	10.3	17.6	14.1	17.0
Max. Overcurrent Protection ⁵	15 amps	20 amps	15 amps	30 amps	20 amps	25 amps
Min/Max Volts	197/253	197/253	197/253	197/253	197/253	197/253
Conduit	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
EQUIPMENT WEIGHT	126	131	126	136	193	162
SHIPPING WEIGHT	141	146	141	153	211	180

¹ Line sizes denoted for 25' line sets, tested and rated in accordance with AHRI Standard 210/240.

For other line-set lengths or sizes, refer to the installation & Operating instructions and/or the long line-set guidelines.

² Installer will need to supply 3/4" to 3/8" adapters for suction line connections.

³ Installer will need to supply 3/8" to 1/2" adapters for suction line connections.

⁴ Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

⁵ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

PRODUCT SPECIFICATIONS (CONT.)

	GSX14 0361K*	GSX14 0371K*	GSX14 0421K*	GSX14 0431K*	GSX14 0481K*	GSX14 0601K*
CAPACITIES						
Nom Cool (BTU/h)	36,000	36,000	42,000	42,000	48,000	60,000
SEER/EER	14 / 12	14 / 12.2	14 / 12	14 / 12.2	14 / 11.7	14 / 11.7
Decibels	73	73	73	73	74	75
COMPRESSOR						
RLA	14.1	14.1	16.7	16.7	19.9	25.0
LRA	77	72.2	79	79	109	134
CONDENSER FAN MOTOR						
Hp	1/6	1/6	1/6	1/6	1/4	1/4
FLA	0.95	0.95	0.95	0.95	1.5	1.5
REFRIGERATION SYSTEM						
Refrigerant Line Size ¹						
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Refrigerant Connection Size						
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.) ^{2 3}	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Charge	81	81	93	93	101	120
Included piston:	0.068	0.071	0.074	0.074	0.078	0.088
ELECTRICAL DATA						
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Minimum Circuit Ampacity ⁴	18.6	18.6	21.8	21.8	26.4	32.8
Max. Overcurrent Protection ⁵	30 amps	30 amps	35 amps	35 amps	45 amps	50 amps
Min/Max Volts	197/253	197/253	197/253	197/253	197/253	197/253
Conduit	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
EQUIPMENT WEIGHT	162	162	189	189	220	260
SHIPPING WEIGHT	180	180	207	207	242	280

¹ Line sizes denoted for 25' line sets, tested and rated in accordance with AHRI Standard 210/240.
For other line-set lengths or sizes, refer to the installation & Operating instructions and/or the long line-set guidelines.

² Installer will need to supply 3/4" to 7/8" adapters for suction line connections.

³ Installer will need to supply 7/8" to 1 1/8" adapters for suction line connections.

⁴ Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

⁵ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

DIMENSIONS

ECN	REV	ZONE	DESCRIPTION	CHK	DR	DATE
XXXXXX	A	XXXXX	INITIAL RELEASE			

MODEL	DIMENSIONS		
	W"	D"	H"
GSX140181**	26	26	27½
GSX140191**	26	26	27½
GSX140241**	26	26	27½
GSX140251**	26	26	32½
GSX140301K*	29	29	32½
GSX140301L*	29	29	36¾
GSX140311**	29	29	32½
GSX140361**	29	29	32½
GSX140371**	29	29	32½
GSX140421**	29	29	36¾
GSX140431**	29	29	36¾
GSX140481**	35½	35½	36¾
GSX140601**	35½	35½	38¾

THE GOODMAN MANUFACTURING COMPANY, L.P.			
GSX14			
DRAWING TO BE INTERPRETED IN ACCORDANCE WITH ASME Y14.5		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED	
TOLERANCES	FIN BY CL	ENG	DO NOT SCALE DRAWING
ANGLES ± 1°	CHK BY	DATE	SHT 1 OF 1
Ø ± 0.01			REV
Ø ± 0.02			A
HOLE Ø ± 0.015			
TRUE CUP ± 0.005			

SPECIAL CHARACTERISTICS:
 ◉ = SIGMA ◊ = CRITICAL CHARACTERISTIC ◈ = SIGNIFICANT CHARACTERISTIC

COMPONENTS AND MATERIALS SPECIFIED HEREIN WILL ALSO CONFORM TO THE APPLICABLE SECTION OF GOODMAN MSP 624-01 WORKMANSHIP STANDARD FOR FIT, FEEL AND FINISH.

CONFIDENTIAL PROPERTY OF THE GOODMAN MANUFACTURING COMPANY, L.P. NOT TO BE DISCLOSED TO OTHERS, COPIED, OR USED FOR ANY PURPOSE EXCEPT AS AUTHORIZED IN WRITING. MUST BE RETURNED UPON DEMAND, ON COMPLETION OF ORDER, OR OTHER PURPOSE FOR WHICH IT WAS LOANED.

ACCESSORIES

MODEL #	DESCRIPTION	GSX14 018/19**	GSX14 024/25**	GSX14 030/31**	GSX14 036/37**	GSX14 042/43**	GSX14 048**	GSX14 060**
ABK-20	Anchor Bracket Kit ^			X	X	X	X	X
ABK-21	Anchor Bracket Kit ^	X	X					
ASC-01	Anti-Short Cycle Kit	X	X	X	X	X	X	X
CSR-U-1	Hard-start Kit	X	X	X	X			
CSR-U-2	Hard-start Kit					X	X	X
CSR-U-3	Hard-start Kit						X	X
FSK01A ¹	Freeze Protection Kit	X	X	X	X	X	X	X
LSK02A ²	Liquid Line Solenoid Kit	X	X	X	X	X	X	X
LAKT01A	Low-Ambient Kit	X	X	X	X	X	X	X
0130R00000S	Low-Pressure Switch Kit	X	X	X	X	X	X	X
TX2N4 ²	TXV Kit	X						
TX2N4A ²	TXV Kit	X	X					
TX3N4 ²	TXV Kit			X	X			
TX5N4 ²	TXV Kit					X	X	X

[^] Contains 20 brackets; four brackets needed to anchor unit to pad

¹ Installed on indoor coil

² Field-installed, non-bleed, expansion valve kit — Condensing units and heat pumps with rotary compressors require start-assist components when used in conjunction with an indoor coil using a non-bleed thermal expansion valve refrigerant metering device.