

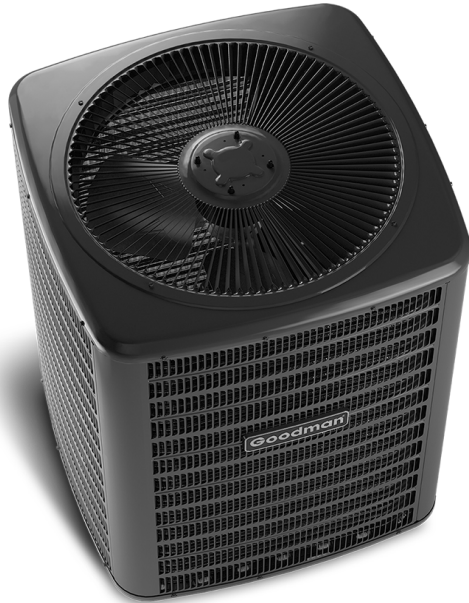


Air Conditioning & Heating

GSX14

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

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



Contents

Nomenclature.....	2
Product Specifications.....	3
Expanded Cooling Data.....	5
Performance Data.....	29
AHRI Ratings.....	31
Wiring Diagrams.....	72
Dimensions.....	74
Accessories.....	74

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			Capacity				
	Z Heat Pump R-410A			018 - 1½ tons			030 - 2½ tons	
				019 - 1½ tons			031 - 2½ tons	
				024 - 2 tons			036 - 3 tons	
				025 - 2 tons			037 - 3 tons	
							042 3½ Tons	
							043 3½ Tons	
							048 4 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.