Goodman®
Air Conditioning & Heating

GSC Commercial

Split System Air Conditioner

GSC13: 3-5 Tons
GSC10: 7½ & 10 Tons

Standard Features
- Energy-efficient compressor
- Quiet operating top discharge
- High-efficiency copper tube/aluminum fin coil
- For use with R-22 refrigerant and charged with inert gas for shipping
- Brass liquid and suction service valves
- Factory-installed filter drier
- Contactor with lug connections
- Ground lug connection
- ETL Listed

Cabinet Features
- Goodman® brand sound control top design
- Steel louver coil guard protects the coil from damage and adds strength to unit
- Bottom pan rails elevate unit above slab
- Heavy-gauge galvanized-steel cabinet
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

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5 YEAR PARTS LIMITED WARRANTY*

* Complete warranty details available from your local dealer or at www.goodmanmfg.com.

Nomenclature

G	S	C	10	120	3	A	A
1	2	3	4,5	6,7,8	9	10	11

Brand
G Goodman® brand

Product Category
S Split System

Unit Type
C Condenser R-22
H Heat Pump R-22

Efficiency
13 13 EER
10 11 EER

Nominal Capacity

036	3 Tons	090	7½ Tons
048	4 Tons	120	10 Tons
060	5 Tons		

Electrical
3 = 208/230 V, 3 Phase, 60 Hz
4 = 460 V, 3 Phase, 60 Hz

Engineering *
Major Revision

Engineering *
Minor Revision

* Neither used for order entry or inventory management.

GSC13 Commercial Product Specifications

	GSC13 0363BC	GSC13 0483B*	GSC13 0484B*	GSC13 0603B*	GSC13 0604B*
Cooling Capacities					
Nominal Tonnage	3	4	4	5	5
SEER	13	13	13	13	13
Decibels	74	76	76	77	77
Compressor					
RLA / LRA	9.92/ 73	12.4 / 88	5.8 / 44	14.7 / 91	7.1/50
Type	Scroll	Scroll	Scroll	Scroll	Scroll
Condenser Fan Motor					
Horsepower	1/6	1/4	1/4	1/4	1/4
FLA	1.5	1.5	0.8	1.5	0.8
Refrigeration System					
Liquid Valve Size (“O.D.)	⅜"	⅜"	⅜"	⅜"	⅜"
Suction Valve Size (“O.D.)	1⅛"	1⅛"	1⅛"	1⅛"	1⅛"
Refrigerant Charge	83	140	102	167	131
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat
Electrical Data					
AC Volts/ Hz	208-230/ 60	208-230/ 60	460/ 60	208-230/ 60	460/ 60
Min. Circuit Ampacity [1]	13.9	17	8.0	19.9	9.7
Max. Overcurrent Device [2]	20	20	15	30	15
Min / Max Volts	197/253	197/253	414/506	197/253	414/506
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
Ship Weight (lbs)	182	189	207	196	242

[1] Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes
[2] Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.
[3] Installer will need to supply ¾” to ⅞” adapters for suction line connections.
[4] Installer will need to supply ⅞” to 1⅛” adapters for suction line connections.

Notes

- Always check the S&R plate for electrical data on the unit being installed.
- Unit is charged with refrigerant for 15’ of ⅜” liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

GSC10 Commercial Product Specifications

	GSC10 0903A*	GSC10 0904AC	GSC10 1203B*	GSC10 1204B*
Cooling Capacities				
Nominal Tonnage	7½	7½	10	10
EER/ IEER	11.2/11.5	11.2/11.5	11.2/11.2	11.2/11.2
Decibels	84	84	84	84
Compressor				
RLA / LRA	25.6 / 196	12.8 / 100	30.1 / 225	15.5/ 114
Type	Scroll	Scroll	Scroll	Scroll
Condenser Fan Motor				
Horsepower	1	1	1	1
FLA	5.6	3.5	5.6	3.5
Refrigeration System				
Liquid Valve Size (“O.D.)	⅝"	⅝"	⅝"	⅝"
Suction Valve Size (“O.D.) (7½ tons)	1⅜"	1⅜"	1⅜"	1⅜"
Suction Valve Size (“O.D.) (10 tons)	1⅝"	1⅝"	1⅝"	1⅝"
Refrigerant Charge	35	35	35	35
Valve Type	Sweat	Sweat	Sweat	Sweat
Electrical Data				
AC Volts/ Hz	208-230/ 60	460/ 60	208-230/ 60	460/ 60
Min. Circuit Ampacity [1]	37.6	19.5	43.2	22.9
Max. Overcurrent Device [2]	60	30	70	35
Min / Max Volts	197/253	414/ 506	197/253	414/ 506
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
Ship Weight (lbs)	315	315	334	334

[1] Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes
[2] Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.
[3] Installer will need to supply ¾” to ⅞” adapters for suction line connections.
[4] Installer will need to supply ⅞” to 1⅛” adapters for suction line connections.

Notes

- Always check the S&R plate for electrical data on the unit being installed.
- Unit is charged with refrigerant for 15’ of ⅜” liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

Performance Data

Outdoor Units	Indoor Units	Cooling Capacity (BTU/h)			
		Total	Sensible	SEER[1]	EER[2]
GSC130363BC	CA*F3642*6C*+EEP	33,600	24,800	13	11
GSC130483B*	CA*F4860*6B*+EEP	45,500	34,580	13	11
GSC130484BB	CA*F4860*6B*+EEP	45,500	33,670	13	11
GSC130603B*	CA*F4961*6A*+EEP	55,500	38,850	13	11
GSC130604BB	CA*F4961*6A*+EEP	55,500	39,960	13	11

[1] Seasonal Energy Efficiency Ratio; tested and rated per AHRI 210/240

[2] Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F

Outdoor Units	Indoor Units	Cooling Capacity (BTU/h)			
		Total	Sensible	EER[1]	IEER[2]
GSC100903AD	AR090	87,000	62,640	11.2	11.5
GSC100904AC	AR090	87,000	63,510	11.2	11.5
GSC101203B*	AR120	114,000	82,080	11.2	11.2
GSC101204B*	AR120	114,000	80,940	11.2	11.2

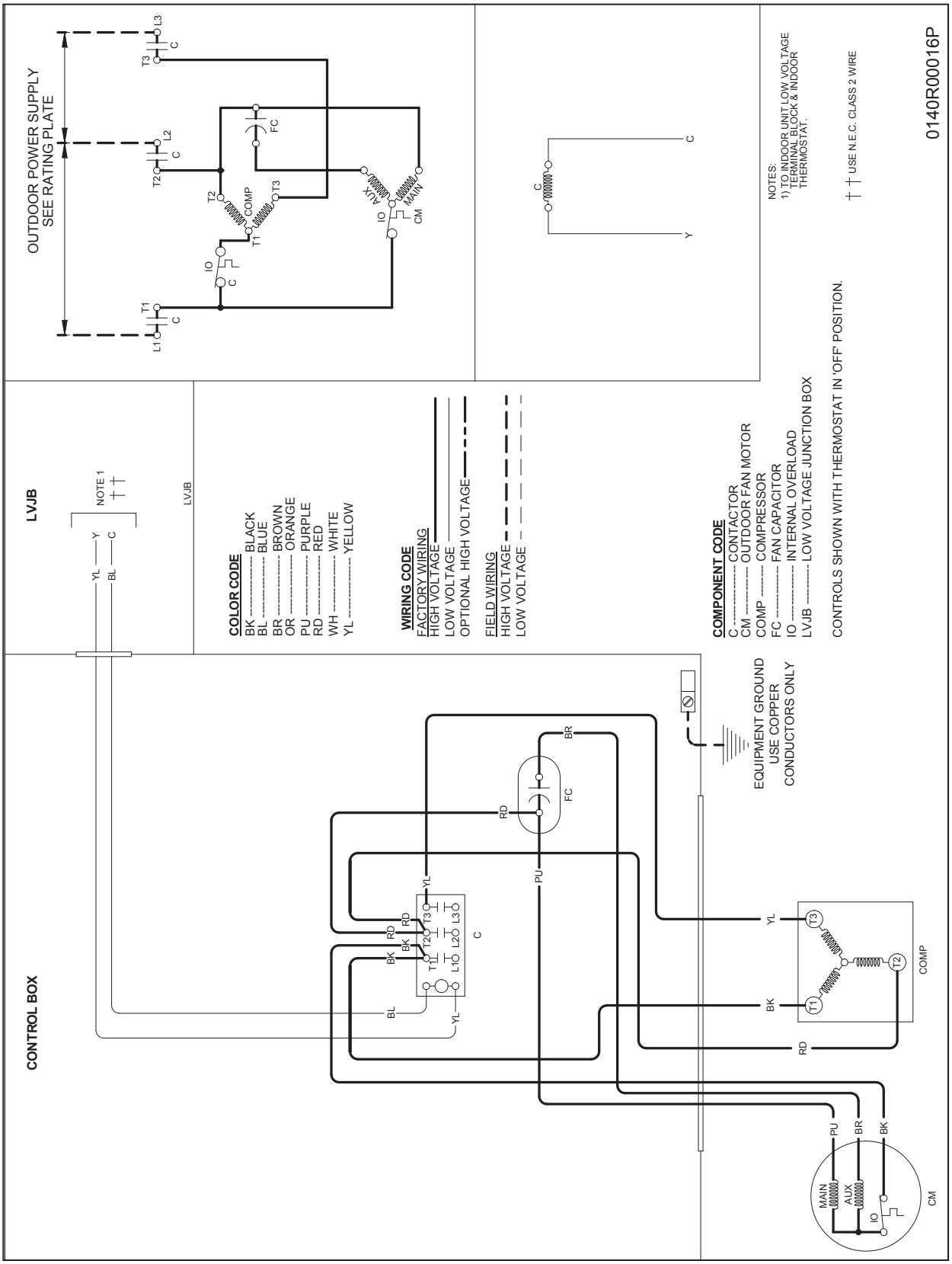
[1] Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F

[2] Integrated Energy Efficiency Ratio

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.

GSC13 Wiring Diagram

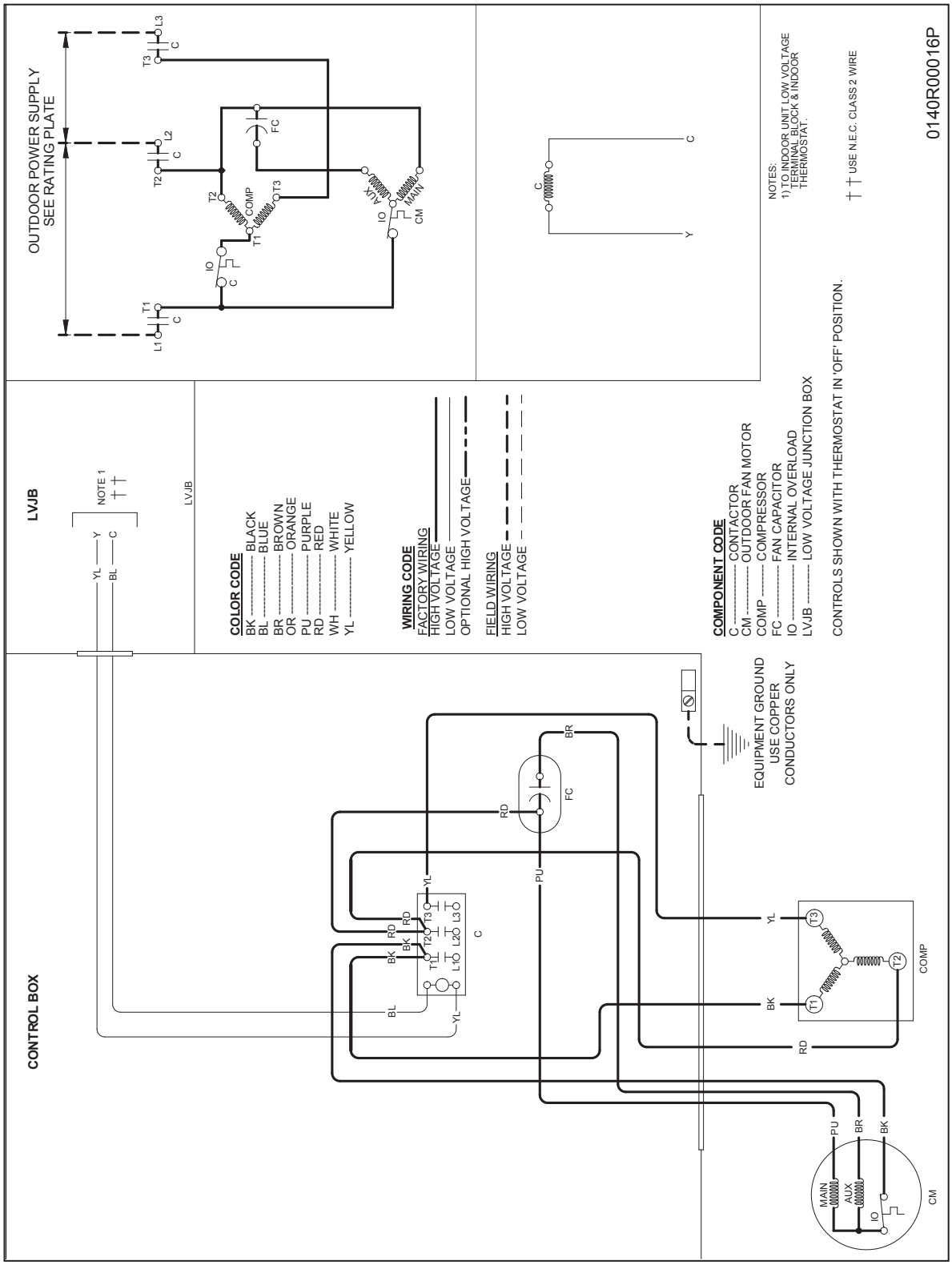


Warning

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

GSC10 WIRING DIAGRAM

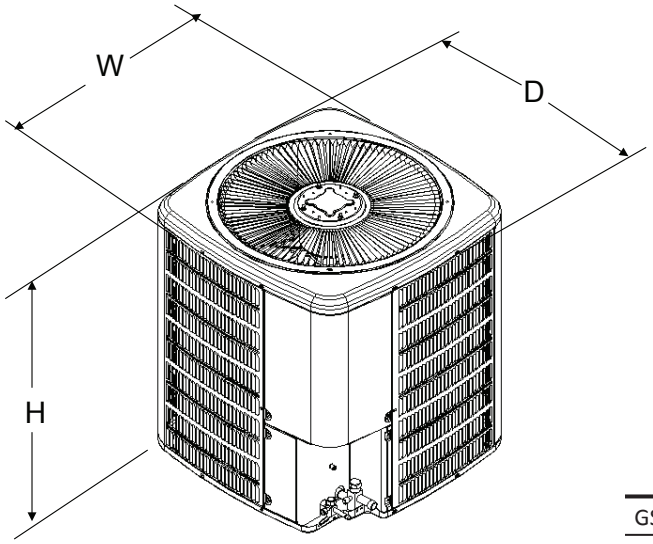


WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

Dimensions



Model	Dimensions		
	W"	D"	H"
GSC130363*	29	29	30¼
GSC130483*	29	29	34¼
GSC130484*	29	29	34¼
GSC130603*	29	29	40
GSC130604*	29	29	40
GSC100903*	35½	35½	41½
GSC100904*	35½	35½	41½
GSC101203*	35½	35½	41½
GSC101204*	35½	35½	41½

Accessories

Model	Description
ABK-20	Anchor Bracket Kit •
FSK01A[1]	Freeze Protection Kit
HPTD18-60	Digital room thermostat with 1-stage cool/1-stage heat
HPT18-60	Standard room thermostat with 1-stage cool/1-stage heat
LAKT01	Low-Ambient Kit

• Contains 20 brackets; four brackets needed to anchor unit to pad

[1] Installed on indoor coil

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