

GVXC20

COOLING CAPACITY : 21,800 - 53,000 BTU/H



HIGH-EFFICIENCY, VARIABLE-SPEED, INVERTER DRIVE SPLIT SYSTEM AIR CONDITIONER

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Standard Features

- Variable-speed swing and scroll compressors
- High-density compressor sound blanket
- Integrated communicating ComfortBridge[™] Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Variable-speed DC outdoor fan motor
- Control algorithmic logic
- In communicating mode, only two lowvoltage wires to outdoor unit required
- Diagnostic indicator lights, seven-segment LED display, and fault code storage
- Field-selectable boost mode increases compressor speed during unusually high loads
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with grille-style sound control top
- Baked-on powder-paint finish
- 500-hour salt-spray tested
- Wire fan discharge grille
- Steel louver coil guard
- Top and side maintenance access
- Sweat connection service valves with easy access to gauge ports
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2017 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov. TO PARTS IMITED VEAR WARRANTY WITH WARRANTY IN INTERED Intertek

UNIT REPLACEMENT LIMITED

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* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the Lifetime Compressor Limited Warranty (good for as long as you own your home), 10-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.

LIFETIME

COMPRESSOR



| | GVXC20 0241A* | GVXC20 0361A* | GVXC20 0481A* | GVXC20 0601A* |
|--|------------------|------------------------|------------------|------------------|
| CAPACITY AND RATINGS | | | | |
| Max. Cooling (BTU/h) | 24,200 | 34,600 | 45,500 | 53,000 |
| COMPRESSOR | | | | |
| Туре | Swing | Swing | Swing | Scroll |
| RLA | 12.7 | 18.1 | 27.6 | 28.6 |
| CONDENSER FAN MOTOR | | | | |
| Horsepower (HP) | 1⁄2 HP | ½ HP | 1⁄2 HP | 1⁄2 HP |
| FLA | 2.5 | 2.5 | 2.5 | 2.5 |
| REFRIGERATION SYSTEM | | | | |
| Refrigerant Line Size ¹ | | | | |
| Liquid Line Size ("O.D.) | 3⁄8" | 3∕8″ | 3/8″ | 3/8″ |
| Suction Line Size ("O.D.) | 3⁄4" | 7/8" | 11/8" | 11/8″ |
| Refrigerant Connection Size | | | | |
| Liquid Valve Size ("O.D.) | 3/8″ | 3⁄8″ | 3/8″ | 3/8″ |
| Suction Valve Size ("O.D.) | 3⁄4" | 7/8" | 7/8" | 7/8″ |
| Valve Connection Type | Front-Seated | Front-Seated | Ball Valve | Ball Valve |
| Refrigerant Charge | 152 | 154 | 246 | 246 |
| Superheat at Service Valve | 7-9°F | 7-9°F | 7-9°F | 7-9°F |
| Subcooling at Service Valve | 7-9°F | 7-9°F | 7-9°F | 7-9°F |
| ELECTRICAL DATA | | | | |
| Voltage/Phase (60 Hz) | 208-230/1 | 208-230/1 | 208-230/1 | 208-230/1 |
| Minimum Circuit Ampacity ² | 15.2 | 20.6 | 30.1 | 31.1 |
| Max. Overcurrent Protection ³ | 20 | 25 | 35 | 35 |
| 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" |
| EQUIPMENT WEIGHT (LBS) | 210 | 221 | 321 | 321 |
| SHIP WEIGHT (LBS) | 241 | 253 | 353 | 353 |
| ENERGY STAR [®] Certified ^ | Courge Star | Courges ENERGY STAR | EnergyStar | Energy STAR |

^ ENERGY STAR NOTES

Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must

be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

• The www.energystar.gov website provides up-to-date system combinations certified to meet ENERGY STAR® requirements.

 $^{\rm 1}$ Tested and rated in accordance with AHRI Standard 210/240

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.

NOTES

• Always check the S&R plate for electrical data on the unit being installed.

• Installer will need to supply 3%" to 11%" adapters for suction line connections.

• Unit is charged with refrigerant for 15' of X" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.