

Submittal Data Sheet

14.0 SEER, Air Conditioner System, 5.0 Ton, Outdoor Unit-GSX140601K*

Submitted By : Goodman/Amana Unitary Test System

Submitted To : N/A

Tags : AHRI 203910784 Products [GSX140601K* , CHPF4860D6D*+TXV, GMEC800805DXA*] , SEER 14.0 , EER 11.7

STANDARD FEATURES:

- Energy-efficient compressor
- Single-speed PSC condenser fan motor
- Factory-installed filter drier
- Fully charged for fifteen feet of tubing length
- Contactor with lug connection
- AHRI Certified - ETL Listed
- Ground lug connection
- Copper tube & enhanced aluminum fin coil

CABINET FEATURES:

- Heavy-gauge galvanized steel cabinet and louvered coil guards
- Service valves with sweat connections and easy-access gauge ports
- Engineered sound control top design
- Baked-on powder-paint finish with 500-hour salt-spray approval
- Single-panel access to controls with space for field-installed accessories
- Service port and controls are accessible while unit is operating
- Compact footprint
- Rust-resistant screws
- When properly anchored, meets the 2017 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



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SYSTEM PERFORMANCE

| | | | |
|----------------------------------|---|------------------------------------|---|
| Outdoor Unit Model No.: | GSX140601K* | Description : | 14.0 SEER, Air Conditioner System, 5.0 Ton Outdoor System |
| Indoor Unit Model No.: | CHPF4860D6D* | | |
| TXV/PISTON : | TX5N4 | | |
| Furnace Unit Model No.: | GMEC800805DX | | |
| Rated Cooling Conditions: | Outdoor (°F DB/WB):95/75 Indoor (°F DB/WB):80/67 | Rated Heating Conditions: | Outdoor (°F DB/WB):N/A/N/A Indoor (°F DB/WB):N/A/N/A |
| Rated Cooling Capacity (Btu/hr): | 56000 | OD Rated Heating Capacity (Btu/hr) | N/A See Furnace Details |
| EER: | 11.7 | Heating COP: | N/A |
| SEER: | 14.0 | AFUE: | 80 |

OUTDOOR UNIT DETAILS : GSX140601K*

| | | | |
|---------------------------------------|----------------------|-------------------------------------|--------------|
| Power Supply (V/Hz/Ph): | 208/230/60/1 | Compressor Type: | Scroll |
| Min. Circuit Amps MCA (A): | 32.6 | Compressor Stages: | Single Stage |
| Max Overcurrent Protection (MOP) (A): | 50 | Suction Valve Connection Size (in): | 7/8 |
| Compressor Rated Load Amps : | 25.0 | Liquid Valve Connection Size (in): | 3/8 |
| Refrigerant Type: | R-410A | Sound Power(High/Med/Low) (dBA): | 75 / - / N/A |
| Holding Refrigerant Charge (oz): | 120 | Cooling Operation Range (°F DB): | 55 - 125 |
| Additional Charge (oz/ft): | 0.60 | Heating Operation Range (°F DB): | N/A |
| Pre-charge Piping (Length) (ft): | 15 | Net Weight (lb): | 260 |
| Dimensions (HxWxD) (in): | 40 x 35-3/4 x 35-3/4 | Gross Weight (lb): | 242 |
| *Max. Pipe Length (Vertical) (ft): | 50 | *Max. Pipe Length (Total) (ft): | 80 |

**Refer to Long Line Set Application TP-107 for lines greater than 80 ft. or vertical elevation changes more than 50 ft. for single stage equipment and 25 ft. for 2-stage equipment.*



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STANDARD FEATURES:

- All-Aluminum evaporator coil
- Optimized for use with R-410A refrigerant
- Some models suitable for use with R-410A or R-22 refrigerant
- CAPT models feature factory-installed thermal expansion valves for cooling and heat pump applications
- Check flowrator for cooling and heat pump applications
- Vertical and horizontal models available
- Rust resistant, thermoplastic drain pans featuring a low water-retention design
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- UV-resistant drain pan
- AHRI certified
- ETL listed

Data Missing

CABINET FEATURES:

- Twenty one inch depth for easier attic access
- Split seam front for easy access
- Foil-faced insulation covers the internal casing to reduce cabinet condensation
- Galvanized, leather grain-embossed finish



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INDOOR UNIT DETAILS : CHPF4860D6D*

| | | | |
|---------------------------|----------------------|--------------------------------|-----|
| Dimensions (HxWxD) (in) : | 24-1/2 x 26 x 21-1/4 | Suction Connection Size (in) : | 7/8 |
| Net Weight (lb): | 77 | Liquid Connection Size (in) : | 3/8 |
| Gross Weight (lb): | 70 | Condensate Connection (in) : | 3/4 |



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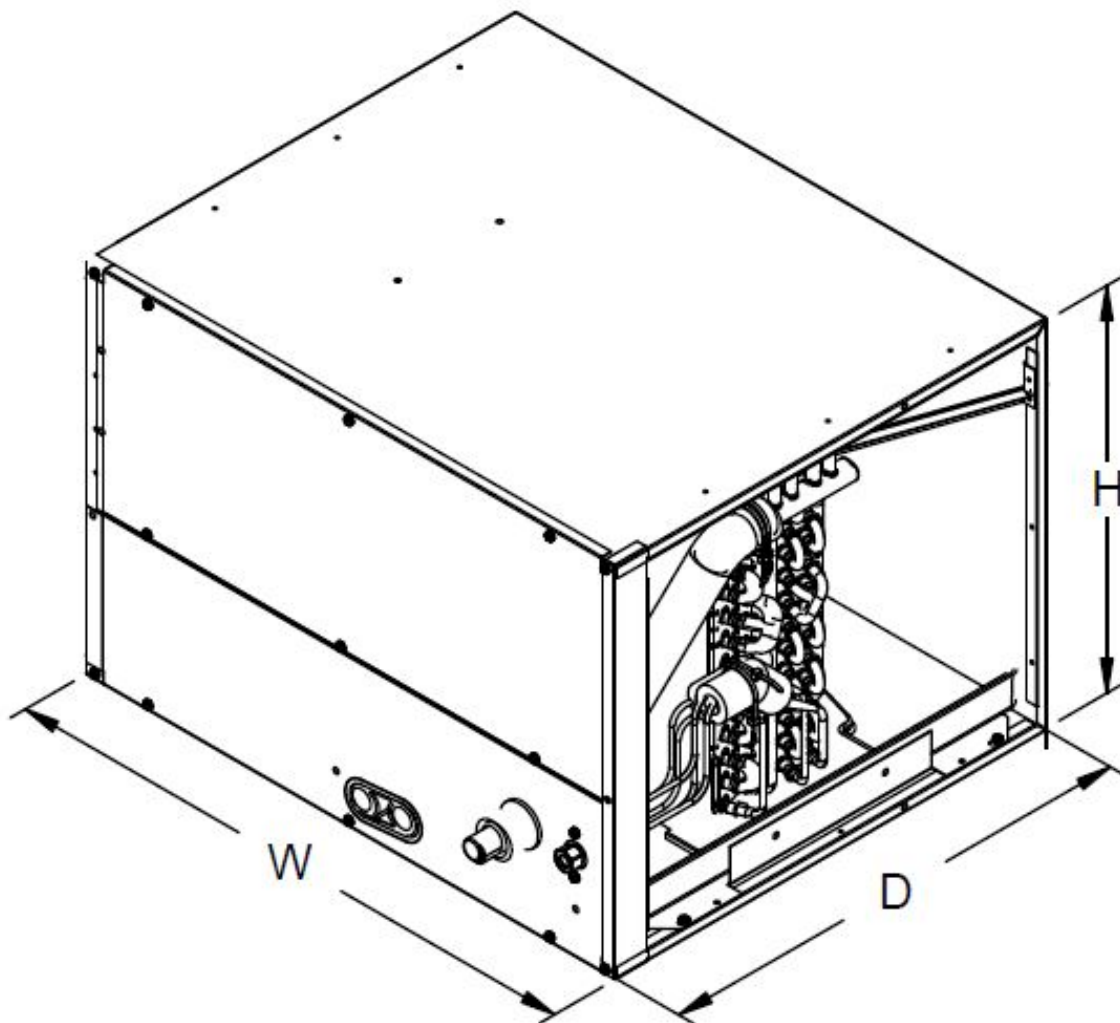
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STANDARD FEATURES:

- Heavy-duty aluminized-steel tubular heat exchanger
- "Silicon Nitride igniter"
- Color-coded low-voltage terminals
- Two-Stage gas valve
- Multi-speed ECM blower motor with continuous fan speed
- Fault code LED Output
- Two-stage gas valve
- Furnace control board with self-diagnostics and provisions for electronic air cleaner and 120-volt or 24-volt humidifiers

CABINET FEATURES:

- Multi-position installation: upflow, horizontal left or right
- Convenient left or right connection for gas and electrical service
- Cabinet air leakage (Qleak) less than or equal to 2%
- Fully insulated heat exchanger and blower section
- Bottom or side return air applications
- Heavy-gage steel cabinet with durable finish



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INDOOR FURNACE UNIT DETAILS : GMEC800805DXA*

| | | | |
|---------------------------------------|----------|---|------------------|
| Power Supply (V/Hz/Ph): | 115/60/1 | Temperature Rise Range High Fire (° F): | 20-50 |
| Min. Circuit Amps MCA (A): | 15.32 | Temperature Rise Range Low Fire (° F): | 20-50 |
| Max Overcurrent Protection (MOP) (A): | 20 | High Fire Input Capacity : | 80,000 |
| AFUE : | 80 | High Fire Output Capacity : | 64,000 |
| Vent Diameter (In): | 4 | Low Fire Input Capacity : | 56,000 |
| Net Weight (lb): | 129 | Low fire output Capacity : | 44,800 |
| Gross Weight (lb): | 124 | Dimensions (HxWxD) (in): | 33.5 x 24.5 x 28 |



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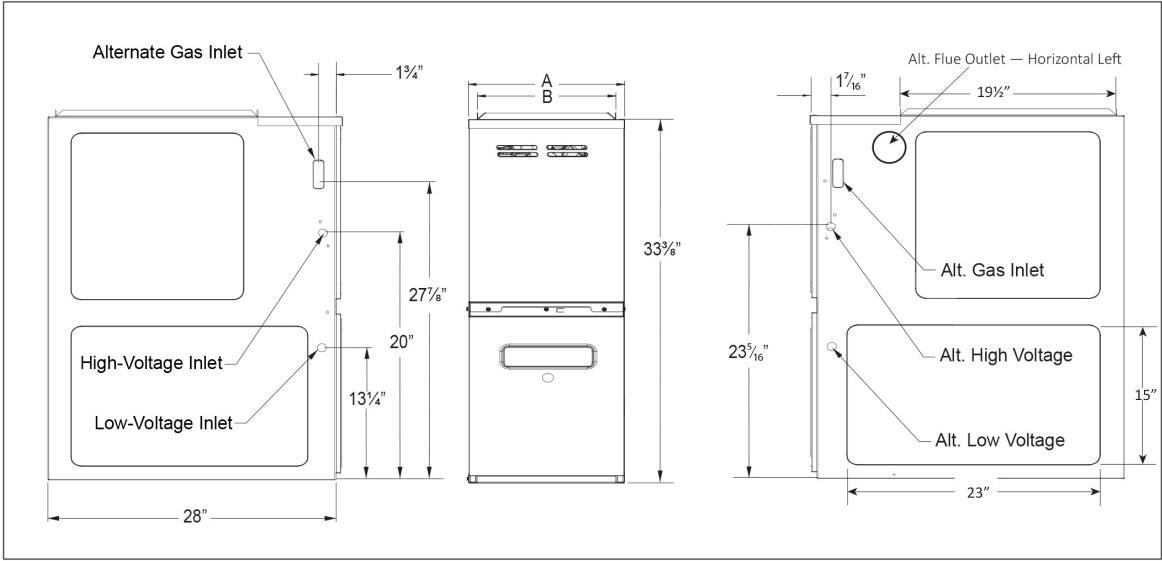
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| MODEL | DIMENSIONS | | |
|--------------|------------|-----|---------|
| | W | D | H |
| GMEC800403A* | 14" | 28" | 33 3/8" |
| GMEC800603AN | 14" | 28" | 33 3/8" |
| GMEC800603BN | 17 1/2" | 28" | 33 3/8" |
| GMEC800803BN | 17 1/2" | 28" | 33 3/8" |
| GMEC800804BN | 17 1/2" | 28" | 33 3/8" |
| GMEC800804CN | 21" | 28" | 33 3/8" |
| GMEC800805CN | 21" | 28" | 33 3/8" |
| GMEC800805DX | 24 1/2" | 28" | 33 3/8" |
| GMEC801004CN | 21" | 28" | 33 3/8" |
| GMEC801005CN | 21" | 28" | 33 3/8" |
| GMEC801205DN | 24 1/2" | 28" | 33 3/8" |

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

| SIDES | REAR | FRONT | BOTTOM | VENT | | TOP |
|-------|------|-------|--------|------|---|-----|
| | | | | SW | B | |
| 1 | 0 | 3 | C | 6 | 1 | 1 |

C = If placed on combustible floor, the floor MUST be wood ONLY.

NOTES:

- For servicing or cleaning, a 24" front clearance is recommended.
- Unit connections (electrical, flue, and drain) may necessitate greater clearances than the minimum clearances listed above.
- In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.
- Refer to the appropriate USA and Canadian codes:
 - In the USA: the National Fuel Gas Code NFPA 54 / ANSI Z223.1
 - In Canada: the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2

