

Submittal Data Sheet

15.2 SEER2, Heat Pump System, 2.5 Ton, Outdoor Unit-GSZH503010A*

Submitted By : Goodman/Amana Unitary Test System

Submitted To : N/A

Tags : AHRI 208510835 Products [GSZH503010A* , AMST36BU1400A* ,] , SEER2 15.2 , EER2 12.0 , HSPF2 7.8

STANDARD FEATURES:

- High-Efficiency scroll compressor
- SmartShift® technology to ensure quiet reliable defrost
- Copper tube/ enhanced aluminum fin coil- 5mm diameter on 1.5-3.5T
- Factory-installed suction-line accumulator
- Factory-installed compressor crankcase heater
- Factory-installed high-capacity muffler
- High- and low-pressure switches
- Service valves with sweat connections and easy access to gauge ports
- Fully charged for 15' of tubing length
- Contactor with lug connection
- Ground lug connection
- AHRI Certified
- ETL Listed

CABINET FEATURES:

- Removable grille style top design compliant with UL 60335-2-40
- Steel louver coil guard
- Heavy-gauge galvanized-steel cabinet
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- Top and side maintenance access
- Single panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available)



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SYSTEM PERFORMANCE

Outdoor Unit Model No.:	GSZH503010A*	Description :	15.2 SEER2, Heat Pump System, 2.5 Ton Outdoor System
Indoor Unit Model No.:	AMST36BU1400A*		
TXV/PISTON :	Factory		
Rated Cooling Conditions:	Outdoor (°F DB/WB):95/75 Indoor (°F DB/WB):N/A/N/A	Rated Heating Conditions:	Outdoor (°F DB/WB):47/43 Indoor (°F DB/WB):N/A/N/A
Rated Cooling Capacity (Btu/hr):	28400	OD Rated Heating Capacity (Btu/hr)	30000
EER2:	12.0	EER:	N/A
Heating COP:	3.78	SEER2:	15.2
SEER:	N/A	* HSPF:	N/A
* HSPF2:	7.8		

OUTDOOR UNIT DETAILS : GSZH503010A*

Power Supply (V/Hz/Ph):	208/230/60/1	Compressor Type:	Scroll
Min. Circuit Amps MCA (A):	18.6	Compressor Stages:	Single Stage
Max Overcurrent Protection (MOP) (A):	30.0	Suction Valve Connection Size (in):	3/4
Compressor Rated Load Amps :	14.1	Liquid Valve Connection Size (in):	-
Refrigerant Type:	R-410A	Sound Power(High/Med/Low) (dBA):	69 / - / -
Holding Refrigerant Charge (oz):	119	Cooling Operation Range (°F DB):	55 - 125
Additional Charge (oz/ft):	0.6	Heating Operation Range (°F DB):	-20 - 70
Pre-charge Piping (Length) (ft):	15	Net Weight (lb):	215
Dimensions (HxWxD) (in):	39.5 x 35.5 x 35.5	Gross Weight (lb):	230
*Max. Pipe Length (Vertical) (ft):	80	*Max. Pipe Length (Total) (ft):	200

**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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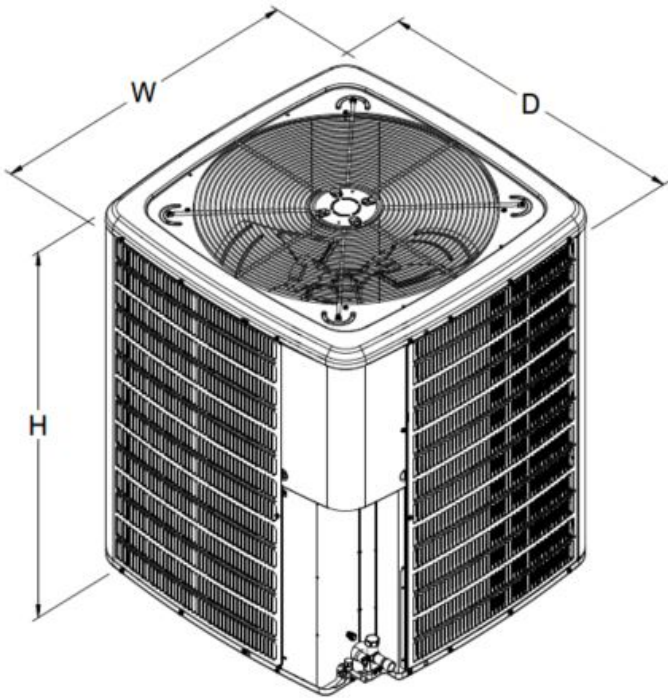
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MODEL	DIMENSIONS		
	W"	D"	H"
GSZH501810A*	29	29	39½
GSZH502410A*	35½	35½	35½
GSZH503010A*	35½	35½	39½
GSZH503610A*	35½	35½	39½
GSZH504210A*	35½	35½	35½
GSZH504810A*	35½	35½	36½
GSZH506010A*	35½	35½	41½



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STANDARD FEATURES:

- Internal factory-installed thermal expansion valves for cooling and heat pump applications
- Direct drive, 9-speed ECM blower motor
- Factory installed 7mm AlumaFin7™ Evaporator Coil on 1½ to 3½ Ton models and 3/8 in. Evaporator Coil on 4 to 5 Ton models
- All-aluminum evaporator coil with high-performance coated fin stock
- Coil mounting track for quick repositioning
- Optimized for use with R-410A refrigerant
- Cabinet air leakage less than 2.0% at 1.0 inch H2O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H2O when tested in accordance with ASHRAE standard 193
- 3 kW – 25 kW electric heater kits
- AHRI certified
- ETL listed

CABINET FEATURES:

- Rigid SmartFrame cabinet
- Horizontal or vertical configuration capabilities
- 21" depth for easier attic access
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Screw-less sides and back helps to reduce condensation when installed in humid locations
- Foil-faced insulation covers the internal casing to reduce cabinet condensation
- Galvanized, leather grain-embossed finish
- Glue-less cabinet insulation retention
- Tool-less filter access



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INDOOR AIR HANDLER UNIT DETAILS : AMST36BU1400

Power Supply (V/Hz/Ph):	208/240/50/60/1	Suction Connection Size (in):	3/4
Min. Circuit Amps MCA (A):	5.6	Liquid Connection Size (in):	3/8
Max Overcurrent Protection (MOP) (A):	15	Condensate Connection (in):	3/4
Net Weight (lb):	129	Dimensions (HxWxD) (in):	53 x 17 x 21
Gross Weight (lb):	124	Power Voltage (lb):	208/240
Current Type :	-	Power Phase:	1
Power Frequency :	50/60	Min Voltage :	208
Max Voltage :	240	MCA :	5.6
MOP :	15	Electric Heat Range :	-
Indoor Blower FLA :	-	Fan Motor Output :	-

The Electrical data shown here in submittal is for Air Handler only with no heat added. When adding Heat Kit please refer to Heat Kit Spec Sheet for electrical requirements



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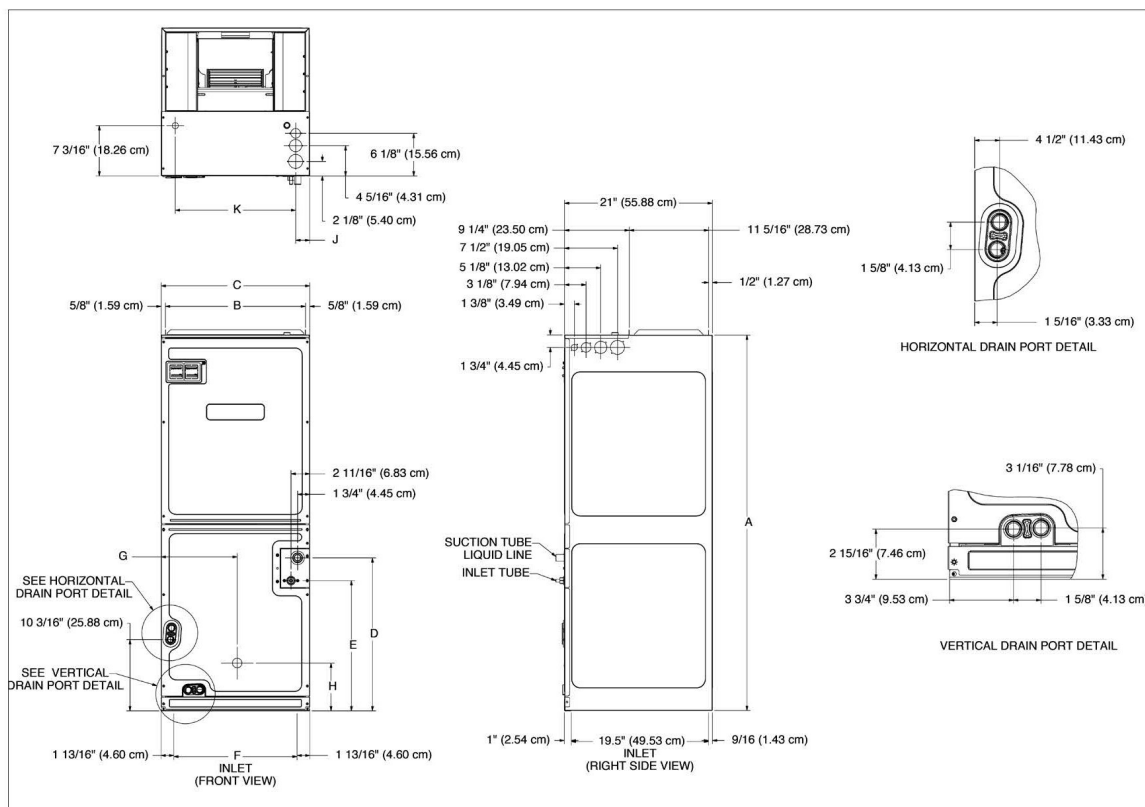
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MODEL	A"	B"	C"	D"	E"	F"	G"	H"	J"	K"
AMST24BU*	45	16 ⁵ / ₁₆	17 ⁹ / ₁₆	15 ¹ / ₄	12	12 ¹ / ₂	9	12 ⁹ / ₁₆	2	13 ³ / ₈
AMST30BU*	53 ⁷ / ₁₆	16 ⁵ / ₁₆	17 ⁹ / ₁₆	23 ¹¹ / ₁₆	20 ³ / ₁₆	12 ¹ / ₂	9	12 ³ / ₄	2	13 ³ / ₈
AMST36BU*	53 ⁷ / ₁₆	16 ⁵ / ₁₆	17 ⁹ / ₁₆	23 ¹¹ / ₁₆	20 ³ / ₁₆	12 ¹ / ₂	9	12 ³ / ₄	2	13 ³ / ₈
AMST36CU*	49	19 ¹³ / ₁₆	21 ¹ / ₈	21 ¹² / ₁₆	17 ¹ / ₄	16 ¹ / ₁₆	9	12 ³ / ₄	2	17 ¹ / ₈
AMST42CU*	53 ⁷ / ₁₆	19 ¹³ / ₁₆	21 ¹ / ₈	21 ¹² / ₁₆	18 ¹ / ₂	16 ¹⁰ / ₁₆	9	12 ³ / ₄	2	17 ¹ / ₈
AMST48CU*	58	19 ¹³ / ₁₆	21 ¹ / ₈	26 ³ / ₁₆	22 ¹⁵ / ₁₆	14 ¹⁰ / ₁₆	10 ¹³ / ₁₆	6 ¹³ / ₁₆	2	17 ¹ / ₈
AMST48DU*	53 ⁷ / ₁₆	23 ¹ / ₄	24 ¹ / ₈	21 ¹ / ₁₆	18 ¹ / ₄	17 ¹¹ / ₁₆	12 ⁹ / ₁₆	6 ¹⁵ / ₁₆	2	20 ³ / ₈
AMST06DU*	58	23 ¹ / ₄	24 ¹ / ₈	26	22 3/4	17 ¹¹ / ₁₆	12 ⁹ / ₁₆	13 ¹³ / ₁₆	2	20 ³ / ₈