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Submittal

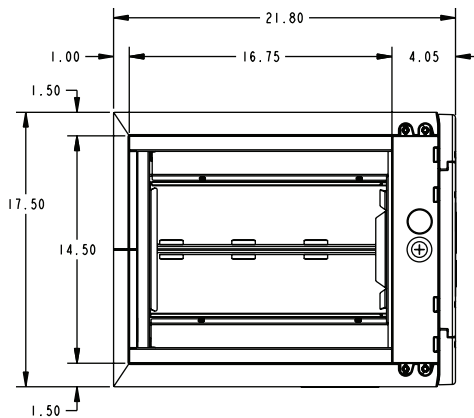
3 Ton Convertible Air Handler

Black Epoxy Coil

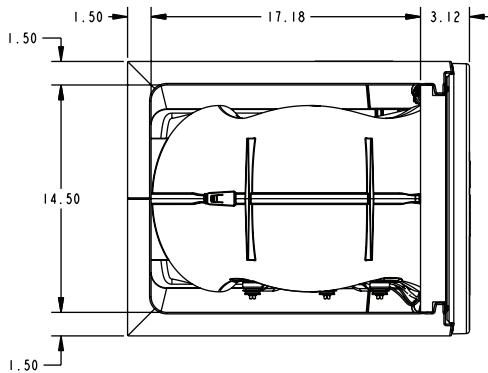
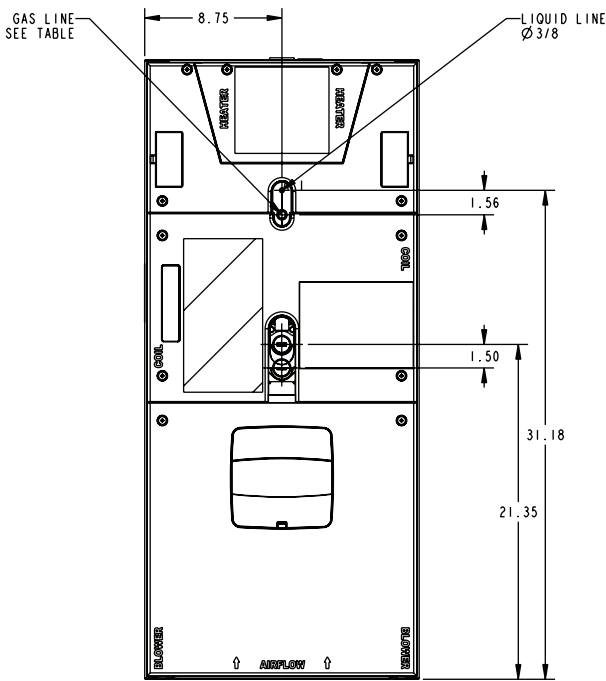
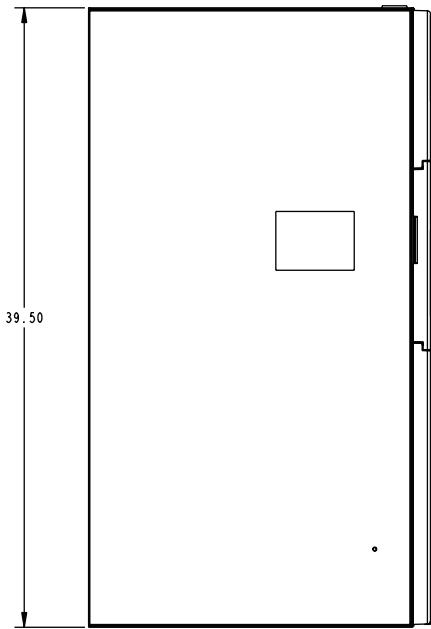
GAF2A0A36M31EC

Standard Coil

GAF2A0A36M31SC



MINIMUM UNIT CLEARANCE TABLE		
	TO COMBUSTIBLE MATERIAL (REQUIRED)	SERVICE CLEARANCE (RECOMMENDED)
SIDES	0"	2"
FRONT	0"	21"
BACK	0"	0"
INLET DUCT	0"	N/A
OUTLET DUCT	0"	N/A



MODEL NO.	FLOW CONTROL	LIQUID LINE BRAZE	GAS LINE BRAZE
GAF2A0A36M	EEV	3/8	3/4

PRODUCT SPECIFICATIONS

MODEL	GAF2A0A36M31EC GAF2A0A36M31SC
RATED VOLTS/PH/HZ.	208-230/1/60
RATINGS ①	See O.D. Specifications - Plate Fin
INDOOR COIL — Type	
Rows — F.P.I.	3 - 14
Face Area (sq. ft.)	3.21
Tube Size (in.)	3/8
Refrigerant Control	EEV
Drain Conn. Size (in.) ②	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing
INDOOR FAN — Type	Centrifugal
Diameter-Width (In.)	11 X 8
No. Used	1
Drive - No. Speeds	Direct - 3
CFM vs. in. w.g.	See Fan Performance Table
No. Motors — H.P.	1 - 1/2
Motor Speed RPM ③	1050
Volts/Ph/Hz	208-230/1/60
F.L. Amps - L.R. Amps	4.1
FILTER	
Filter Furnished?	No
Type Recommended	Throwaway
No.-Size-Thickness	1 - 16 X 20 - 1 in.
REFRIGERANT	R-410A
Ref. Line Connections	Brazed
Coupling or Conn. Size — in. Gas	3/4
Coupling or Conn. Size — in. Liq.	3/8
DIMENSIONS	H x W x D
Crated (In.)	40.5 x 20 x 24.5
Uncrated	39.5 x 17.5 x 21.8
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	109/98



Intertek



① This Air Handler is AHRI certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240). Refer to the Split System Outdoor Unit Product Data Guides for performance data.

② 3/4" Male Plastic Pipe (Ref.: ASTM 1785-76)

③ Constant Torque Motor

GAF2A0A36M31 MINIMUM HEATER AIRFLOW CFM		
Heater	Minimum Air Speed Tap	
	Without Heat Pump	With Heat Pump
BAYECAA05LG1	Tap 1	Tap 2
BAYECAA08LG1	Tap 5	Tap 5
BAYECAA10LG1	Tap 1	Tap 3
SEE AIR HANDLER NAMEPLATE OR PRODUCT DATA FOR EXCEPTIONS		
Note: Heating and cooling speeds are the same, factory set at Speed Tap #4		

GAF2A0A36M31 AIRFLOW PERFORMANCE TABLE

AIRFLOW PERFORMANCE										
GAF2A0A36M31										
EXTERNAL STATIC (in w.g)										
	Speed Taps - 230 VOLTS					Speed Taps - 208 VOLTS				
	5	4 †	3	2	1	5	4 †	3	2	1
0	1272	1203	972	862	716	1269	1200	969	859	713
0.1	1247	1188	945	830	670	1241	1182	939	824	665
0.2	1223	1169	917	797	625	1214	1161	909	788	616
0.3	1195	1147	890	764	579	1183	1136	879	753	567
0.4	1147	1121	863	731	533	1133	1107	849	717	519
0.5	1110	1091	835	699	487	1093	1075	818	682	470
0.6	1072	1058	808	666	441	1052	1039	788	646	421
0.7	1027	1021	781	633	395	1005	999	758	611	373
0.8	977	977	753	601	349	952	952	728	576	324
0.9	923	923	726	568	303	895	895	698	540	275
1.0	865	865	699	535	257	835	835	668	505	227

NOTES:
1. Values are with wet coil and without filters.
2. Contact your particular filter manufacturer for pressure drop data.
3. Electric heater pressure drop is negligible and is included within the airflow data.
4. † Factory Setting

WIRING DATA											
GAF2A0A36M31											
Heater Model No.	No. of Circuits	240 VOLT					208 VOLT				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	-	-	-	4.1**	5	15	-	-	4.1**	5	15
BAYECAA05++	1	4.80	16400	20	30	30	3.60	12300	17.3	27	30
BAYECAA08++	1	7.68	26200	32	45	45	5.76	19700	27.7	40	40
BAYECAA10++	1	9.60	32800	40	55	60	7.20	24600	34.6	48	50

Note: ** Motor Amps

Mechanical Specifications

- Unique Cabinet Design
 - Double Wall Foamed and Formed Cabinet System
 - Water Proof Cabinet Design
 - R-4.2 Insulating Value (Avg. Insulating Value R-8)
 - Composite Foamed Cabinet Doors
 - Sweat Eliminating Cabinet Design
 - Loose Fiber Eliminating Cabinet Design
 - Smooth Cleanable Cabinet Design
 - 2% or Less air leakage
 - Precision Applied Durable Door Seals
- Multi-Position Upflow/ Horizontal Left / Horizontal Right
- Front Return Option
- Braze in Refrigerant Connection
- Primary/Secondary Condensate Connections
- Vortica Blower with Integrated Slide Deck for Easy Removal
- Polarized Plug connections on Blower
- Aluminum Coil with Integrated Slide Deck for Easy Removal
- Slide in Electric Heaters
- Polarized Plug connections for Electric Heater
- Labeled Panels and connections
- Guide for up to 1" Conduit connection on Top
- Electronic Expansion Valve (EEV) with Low Ambient and Low Superheat Protection
- Low Voltage Color Coded Wires
- Enhanced Coil Fin Patented
- Blow Through Design
- High efficiency ECM Constant Torque motor
- Maximum Width of 17.5"
- Compact 20.8" depth with doors removed
- Integrated Horizontal Drain pans
- Single Color
- Fused 24V Power
- Optional extended warranty available



Ingersoll Rand
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Tyler, TX 75707

The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specification without notice.