Hyperion™ Split Systems

Split Systems Air Conditioning (Ducted Type)
3.0 - 5.0 Tons - R410a - 50Hz

Indoor Units	Outdoor Units
GAF2A0A36S3ASA	4TTB3018AA
GAT2A0C48S4ASA	4TTB3024AA
GAT2A0C60S5ASA	4TTB3030AA
GAM2A0C48S4ASB	4TTB3036AA
GAM2A0C60S5ASB	4TTA3030AD
	4TTA3036AD
	4TTA3042AD
	4TTA3048AD
	4TTA3060AD

SSA-PRC011A-E4

Contents

Features and Benefits

Outdoor unit 4TTB

- Scroll compressor
- Efficiency up to 13 S E E R
- All aluminum SPINE FIN ™ coil
- WEATHERGUARD™ fasteners
- QUICK-SESS ™ cabinet, service access and refrigerant connections with full coil protection
- DURATUFF ™ base, fast complete drain, weatherproof
- COMFORT-R ™ mode approved
- Glossy corrosion resistant finish
- Internal compressor high/low pressure & temperature protection
- Liquidline filter supplied for field installations
- Polyslategray cabinet with anthracite gray badge and cap
- High pressure control
- Low pressure control
- Sump Heater/Crankcase Heater
- Service valve cover
- R-410A refrigerant
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 30°F with AY28X079
- Low ambient cooling to 55°F as shipped

Outdoor unit 4TTA

- Scroll compressor
- Efficiency up to 13 S E E R
- All aluminum SPINE FIN ™ coil
- WEATHERGUARD™ fasteners
- QUICK-SESS ™ cabinet, service access and refrigerant connections with full coil protection
- DURATUFF ™ base, fast complete drain, weatherproof
- COMFORT-R ™ mode approved
- Glossy corrosion resistant finish
- Internal compressor high/low pressure & temperature protection
- Liquidline filter supplied for field installations
- Polyslate gray cabinet with anthracite gray badge and cap
- High pressure control
- Low pressure control
- Sump Heater/Crankcase Heater
- Service valve cover
- R-410A refrigerant
- S.E.E.T. design testing
- 100% line run test
- Low ambient cooling to 30°F with AY28X079
- Low ambient cooling to 55°F as shipped

Indoor convertible air handler GAF

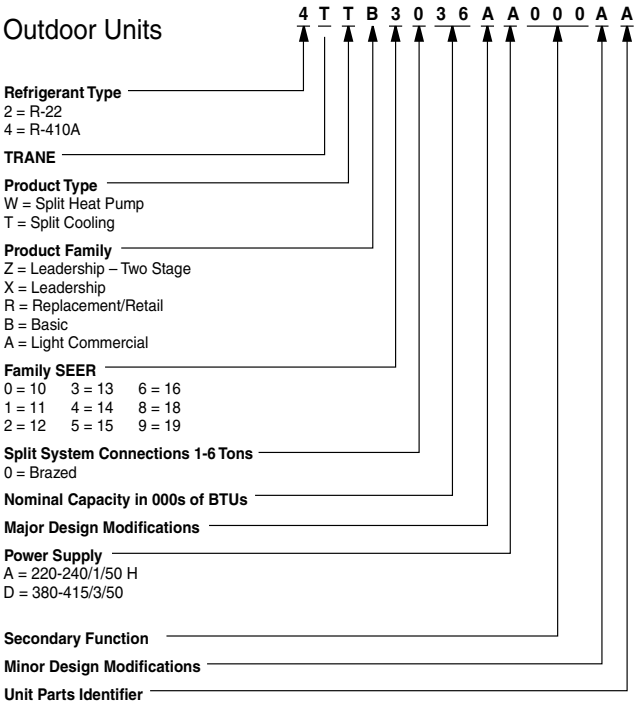
- Unique Cabinet Design
  - Double Wall Foamed and Formed Cabinet System
  - Water Proof Cabinet Design
  - R-4.2 Insulating Value (Avg. Insulating Value R-8)
  - Composite Foamed Cabinet Doors
  - Sweat Eliminating Cabinet Design
  - Loose Fiber Eliminating Cabinet Design
  - Smooth Cleanable Cabinet 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 1-1/4" to 1" And 3/4" to 1/2" Conduit connection on Top
- R-410A Thermal Expansion Valve (TXV)
- Convertible to R-22 using optional accessory TXV conversion kit.
- Low Voltage Color Coded Wires
- Enhanced Coil Fin Patented
- Blow Through Design
- PSC 3 Speed Motor
- Maximum Width of 17.5"
- Compact 20.8" depth with doors removed
- Integrated Horizontal Drain pans
- Single Color
- Fused 24V Power

Indoor convertible air handler GAT/GAM

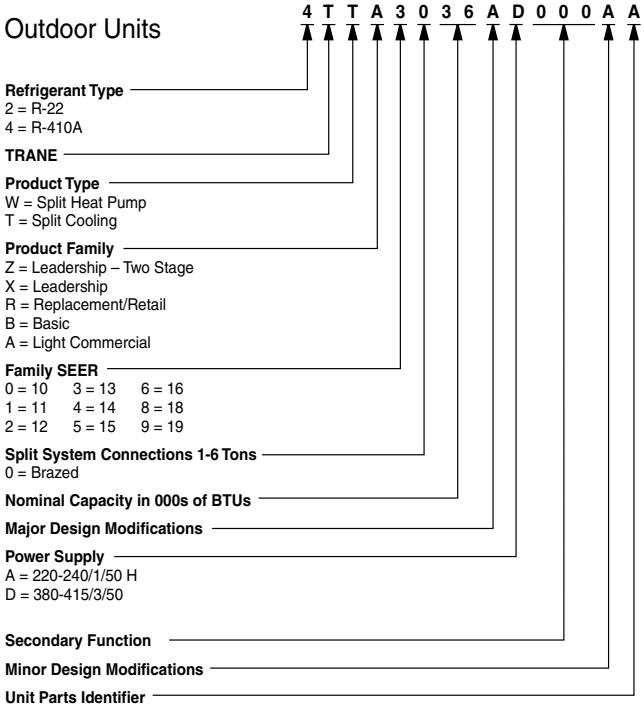
- Unique Cabinet Design
  - Double Wall Foamed and Formed Cabinet System
  - Water Proof Cabinet Design
  - R-4.2 Insulating Value (Avg. Insulating Value R-8.2)
  - Composite Foamed Cabinet Doors
  - Sweat Eliminating Cabinet Design
  - Loose Fiber Eliminating Cabinet Design
  - Smooth Cleanable Cabinet Design
  - 2% or Less air leakage
  - Precision Applied Durable Door Seals
  - Tool-free Fasteners on Blower/Filter Door
  - Modular Cabinet
  - Loose Fiber Eliminating Cabinet Design
  - Smooth Cleanable Cabinet Design
  - 2% or Less air leakage
  - Precision Applied Durable Door Seals
  - Tool-free Fasteners on Blower/Filter Door
  - Modular Cabinet
- Multi-Position Upflow/ Horizontal Left / Horizontal Right
- Braze in Refrigerant Connection
- Primary/Secondary Condensate Connections
- Premarked Conduit Connection Locations
- Vortica Blower with Integrated Slide Deck for Easy Removal
- Polarized Plug connections on Blower
- Control Protection Pocket
- Aluminum Coil with Integrated Slide Deck for Easy Removal
- Slide in Electric Heaters
- Polarized Plug connections for Electric Heater
- Labeled Panels and connections
- 1-1/4" to 1" And 3/4" to 1/2" Conduit connection on Left, Right and Top
- Molded in 1" Standard Filter rail
- R-410A Thermal Expansion Valve (TXV)
- Convertible to R-22 using optional accessory TXV conversion kit.
- Low Voltage Terminal Connection Point
- Enhanced Coil Fin Patented
- Blow Through Design
- PSC 3 Speed Motor on 3.5 & 4 ton models
- Constant torque ECM Motor on 5 ton model
- Maximum Width of 23.5"
- Compact 20.8" depth with doors removed
- Integrated Horizontal Drain pans
- Single Color
- Fused 24V Power
- Safety Door Switch

Nomenclature

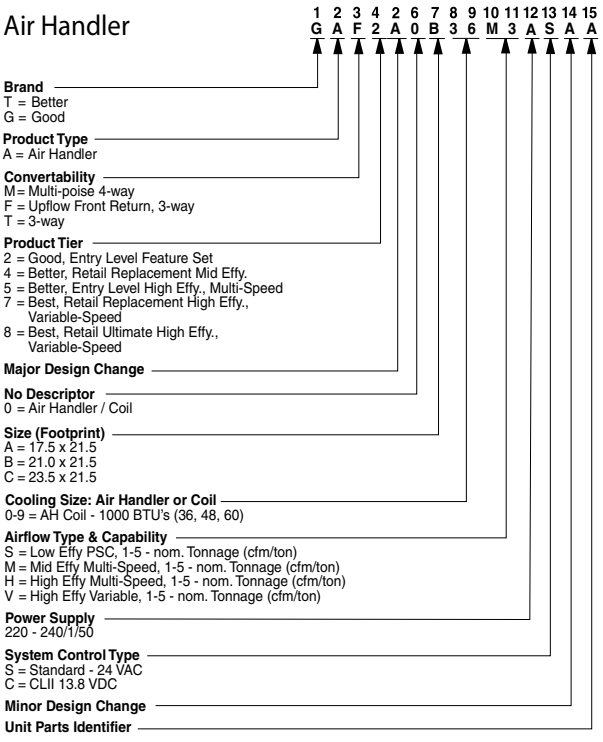
Outdoor Units



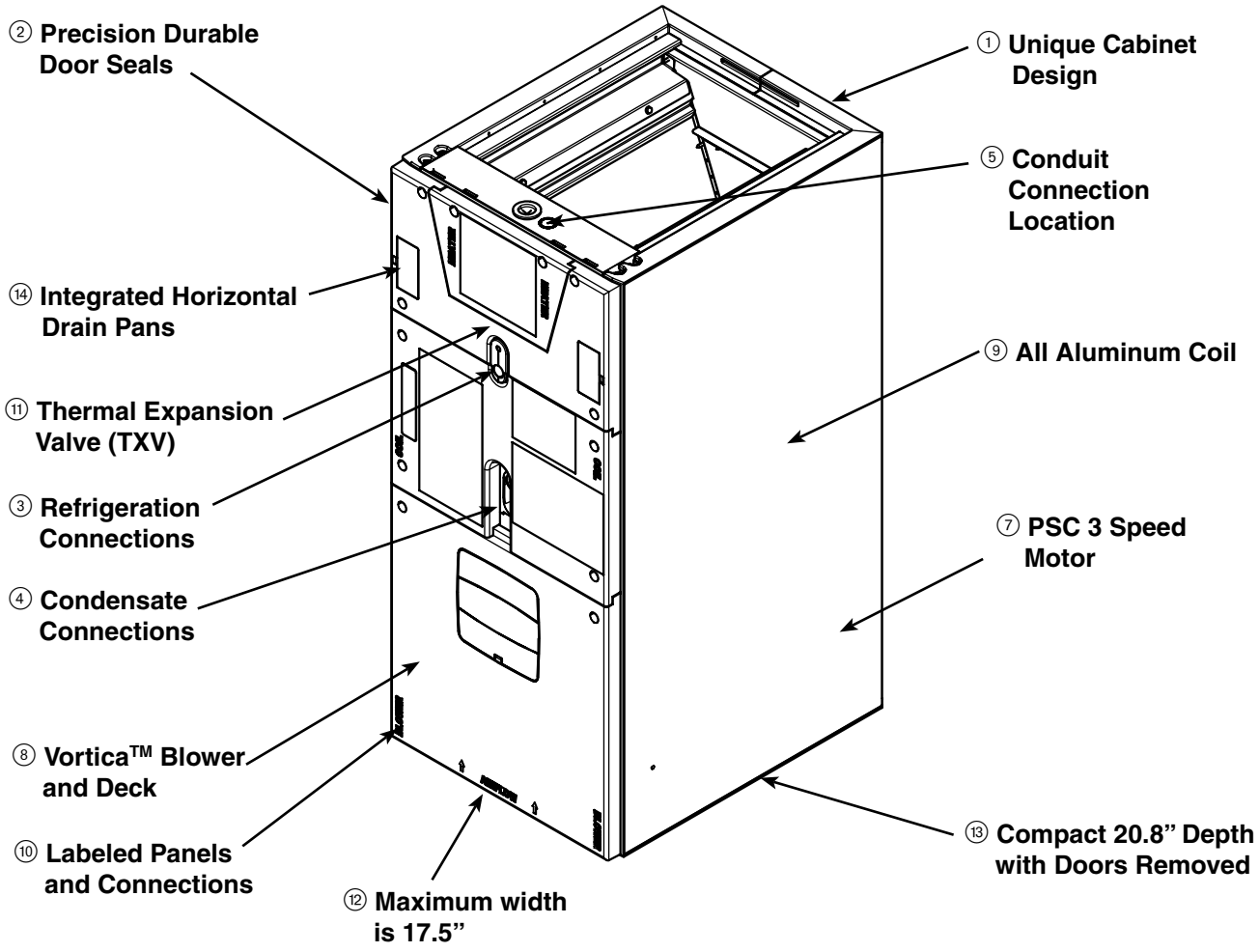
Outdoor Units



Air Handler



Unique Cabinet Design Features and Benefits GAF

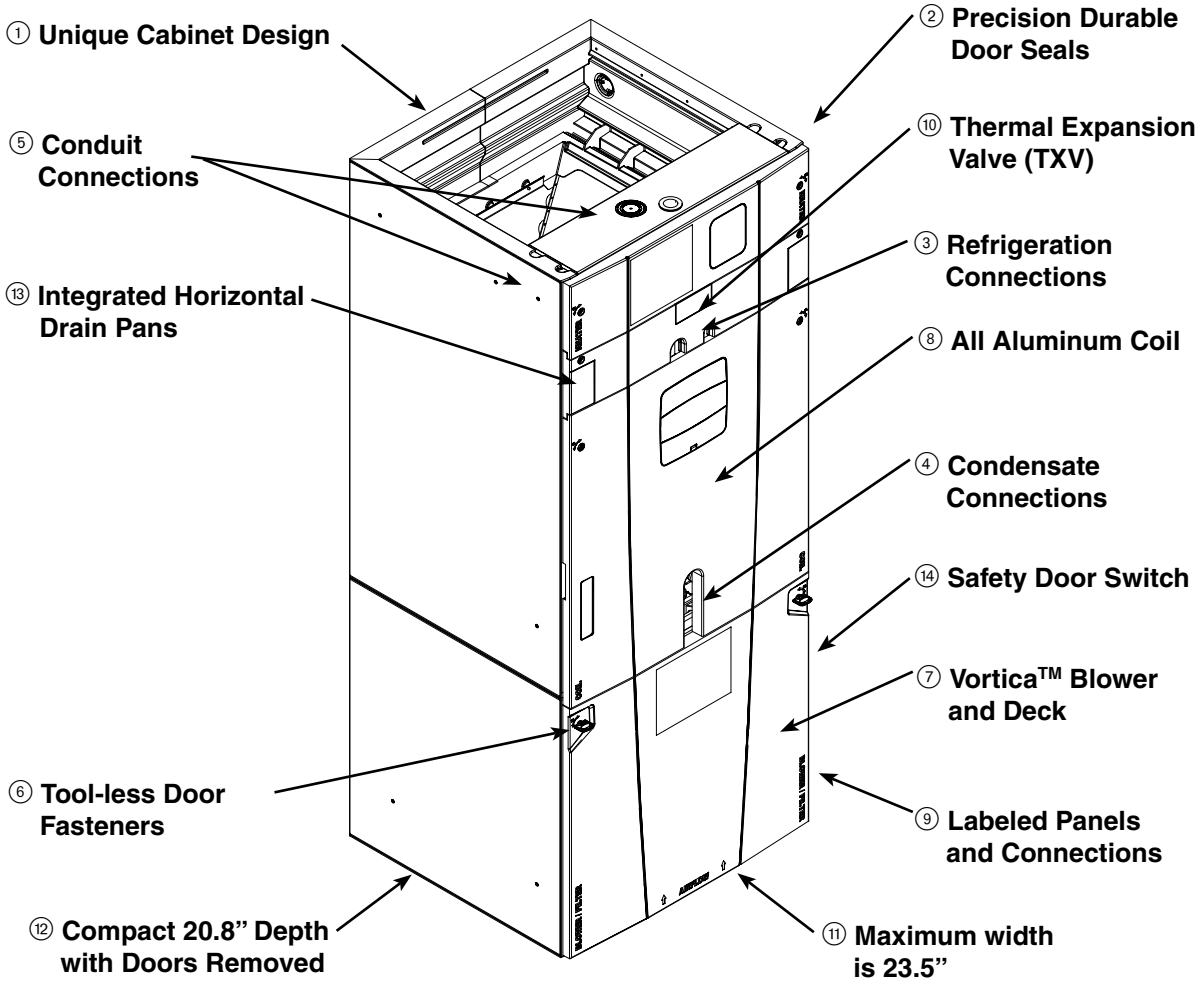


① **Unique Cabinet Design**
- Double wall foamed cabinet system
  Waterproof Cabinet Design
  R-4.2 Insulating Value (Avg. Insulating Value R-8)
  Composite Foamed Cabinet Doors
  Sweat Eliminating Cabinet Design
  Loose Fiber Eliminating Design
  Smooth Cleanable Cabinet Design
- 2% or Less air leakage

② **Precision Durable Door Seals**
③ **Brazed Refrigeration Connections**
④ **Primary/Secondary Condensate Connections**
⑤ **Conduit Connection** - Conduit Connection on Top
⑦ **PSC 3 Speed Motor**
⑧ **Vortica™ Blower and Deck** - Polarized Plug on Blower
⑨ **All Aluminum Coil**
- Integrated Slide Deck for Easy Removal
  Polarized Plug connections on Coil TXV
  Patented Enhanced Coil Fin

⑩ **Labeled Panels and Connections**
⑪ **R-410A Thermal Expansion Valve (TXV)**
⑫ **Maximum width is 17.5"**
⑬ **Compact 20.8" Depth with Doors Removed**
⑭ **Integrated Horizontal Drain Pans**

Unique Cabinet Design Features & Benefits GAT/GAM



① **Unique Cabinet Design**
- Double wall foamed cabinet system
  Waterproof Cabinet Design
  R-4.2 Insulating Value (Avg Insulating Value R-8.2)
  Composite Foamed Cabinet Doors
  Sweat Eliminating Cabinet Design
  Loose Fiber Eliminating Design
  Smooth Cleanable Cabinet Design

② **Precision Durable Door Seals**

③ **Refrigeration Connections**

④ **Condensate Connections**

⑤ **Premarked Conduit Connection Locations** - Conduit Connections on Left, Right, and Top

⑥ **Tool-less Door Fasteners**

⑦ **Vortica™ Blower and Deck** - Polarized Plug on Blower

⑧ **All Aluminum Coil**
- Integrated Slide Deck for Easy Removal
  Polarized Plug connections on Coil EEV
  Patented Enhanced Coil Fin

⑨ **Labeled Panels and Connections**

⑩ **R-410A Thermal Expansion Valve (TXV)**

⑪ **Maximum width is 23.5"**

⑫ **Compact 20.8" Depth with Doors Removed**

⑬ **Integrated Horizontal Drain Pans**

⑭ **Safety Door Switch** - Fused 24V Power

⑮ **Modular Cabinet**

General Data

Product Specifications

Model No. ①	4TTB3018AA	4TTB3024AA	4TTB3030AA	4TTB3036AA
Electrical Data V/Ph/Hz [2]	220/240/1/50	220/240/1/50	220/240/1/50	220/240/1/50
Min Cir Ampacity	15	17	23	26
Max Fuse Size (Amps)	25	30	40	46
Compressors	SCROLL	SCROLL	SCROLL	SCROLL
N0. Used - No. Stages	1-1	1-1	1-1	1-1
RL AMPS - LR AMPS	10-52	12.1-60	15-67	17.9-87
Outdoor Fan FL Amps	1.4	1.4	1.2	1.2
Fan HP	1/6	1/6	1/5	1/5
Fan Dia (inches)	23	23	27.6	27.6
Coil	Spine Fin™	Spine Fin™	Spine Fin™	Spine Fin™
Refrigerant R-410A	5/9-LB/OZ	5/7-LB/OZ	7/0-LB/OZ	7/7-LB/OZ
Line Size - (in.) O.D. Gas [3]	3/4	3/4	3/4	7/8
Line Size - (in.) O.D. Liquid [3]	3/8	3/8	3/8	3/8
Dimensions HxWxD(crated)(in.)	34 x 30.1 x 33	34 x 30.1 x 33	42.4 x 35.1 x 38.7	42.4 x 35.1 x 38.7
Weight - Shipping (Kgs)	165	167	224	265
Weight - Net (Kgs)	138	140	189	230
Start Components	NO	NO	NO	NO
Sound Enclosure	NO	NO	NO	NO
Compressor Sump Heat/CrankCase Heater	YES	YES	YES	YES
Optional Accessories: ④				
Anti-short cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control A/C	AY28X079	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mounting Kit	BAYECMT023	BAYECMT023	BAYECMT004	BAYECMT004
Snow Leg - Base & Cap 4" High	BAYLEGS002	BAYLEGS002	BAYLEGS002	BAYLEGS002
Snow Leg - 4"Extension	BAYLEGS003	BAYLEGS003	BAYLEGS003	BAYLEGS003
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001
Refrigerant Lineset	TAYREFLN7*	TAYREFLN7*	TAYREFLN7*	TAYREFLN4*

② Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

③ Standard line lengths - 80'. Standard lift - 60' Suction and Liquid line. For Greater lengths and lifts refer to refrigerant piping software Pub# 32-3312-0 latest revision)

④ For accessory description and usage, see pages 11.

A-Weighted Sound Pressure Level [dB(A)]

MODEL	SOUND PRESSURE LEVEL [dB(A)]	A_WEIGHTED FULL OCTAVE SOUND PRESSURE LEVEL dB - [dB(A)]							
		63	125	250	500	1000	2000	4000	8000
4TTB3018A	57	39	46	46	50	47	43	39	33
4TTB3024A	61	46	47	47	50	56	46	43	41
4TTB3030A	44	46	42	48	50	49	46	40	36
4TTB3036A	59	49	46	51	50	49	45	38	34

② Tested as per JIS C9612-1994.

General Data

Product Specifications

Model No. ①	4TTA3030AD	4TTA3036AD	4TTA3042AD	4TTA3048AD	4TTA3060AD
Electrical Data V/Ph/Hz [2]	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Min Cir Ampacity	9	11	12	12	14
Max Fuse Size (Amps)	15	19	21	21	25
Compressors	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
N0. Used - No. Stages	1-1	1-1	1-1	1-1	1-1
RL AMPS - LR AMPS	6.1 - 38	6.7 - 43	6.9 - 52	7.6 - 51.5	8.9 - 67.1
Outdoor Fan FL Amps	0.7	0.7	0.7	0.7	0.7
Fan HP	1-1/6	1-1/6	1-1/6	1-1/6	1-1/6
Fan Dia (inches)	27.6 - 1	27.6 - 1	27.6 - 1	27.6 - 1	27.6 - 1
Coil	Spine Fin™	Spine Fin™	Spine Fin™	Spine Fin™	Spine Fin™
Refrigerant R-410A	7/7 LB/OZ	8/5 LB/OZ	8/4 LB/OZ	9/8 LB/OZ	9/14 LB/OZ
Line Size - (in.) O.D. Gas [3]	3/4	7/8	7/8	7/8	7/8
Line Size - (in.) O.D. Liquid [3]	3/8	3/8	3/8	3/8	3/8
Dimensions HxWxD(crated)(in.)	42.4 x 35.1 x 38.7	42.4 x 35.1 x 38.7	46.4 x 35.1 x 38.7	51 x 35.1 x 38.7	51 x 35.1 x 38.7
Weight - Shipping (Lbs)	217	254	277	292	297
Weight - Net (Lbs)	182	219	240	255	260
Start Components	NO	NO	NO	NO	NO
Sound Enclosure	NO	NO	NO	NO	NO
Compressor Sump Heat/CrankCase Heater	YES	YES	YES	YES	YES
Optional Accessories:					
Anti-short cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control A/C	AY28X079	AY28X079	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mounting Kit	BAYECMT023	BAYECMT023	BAYECMT004	BAYECMT004	BAYECMT004
Snow Leg - Base & Cap 4" High	BAYLEGS002	BAYLEGS002	BAYLEGS002	BAYLEGS002	BAYLEGS002
Snow Leg - 4"Extension	BAYLEGS003	BAYLEGS003	BAYLEGS003	BAYLEGS003	BAYLEGS003
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001
Refrigerant Lineset	TAYREFLN7*	TAYREFLN4*	TAYREFLN4*	TAYREFLN4*	TAYREFLN4*

② Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

③ Standard line lengths - 80'. Standard lift - 60' Suction and Liquid line. For Greater lengths and lifts refer to refrigerant piping software Pub# 32-3312-0 latest revision)

④ For accessory description and usage, see pages 11.

A-Weighted Sound Pressure Level [dB(A)]

MODEL	SOUND PRESSURE LEVEL [dB(A)]	A_WEIGHTED FULL OCTAVE SOUND PRESSURE LEVEL dB - [dB(A)]							
		63	125	250	500	1000	200	4000	8000
4TTA3030AD	60	51	42	52	50	54	43	38	33
4TTA3036AD	61	52	49	46	51	52	48	46	41
4TTB3042AD	70	55	47	52	52	52	46	40	36
4TTA3048AD	65	49	42	51	52	51	48	42	49
4TTA3060AD	59	26	31	39	47	48	46	44	35

② Tested as per JIS C9612-1994.

General Data 4TTA/4TTB

Accessory Description and Usage

Anti-Short Cycle Timer - Solid state timing device that prevents compressor recycling until 5 minutes have elapsed after satisfying call or power interruptions. Use in area with questionable power delivery, commercial applications, long lineset, etc.

Evaporator Defrost Control — SPST Temperature actuated switch that cycles the condeser off as indoor coil reaches freeze-up conditions. Used for low ambient cooling to 30°F with TXV.

Rubber Isolators — 5 large rubber donuts to isolate condensing unit from transmitting energy into mounting frame or pad. Use on any application where sound transmission needs to be minimized.

Extreme Condition Mount Kit — Bracket kits to securely mount condensing unit to a frame or pad without removing any panels. Use in areas with high winds, or on commercial roof tops, etc.

AHRI Standard Capacity Rating Conditions

AHRI STANDARD 210/240 RATING CONDITIONS —
(A) Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.

General Data GAF/GAT/GAM

PRODUCT SPECIFICATIONS

MODEL	GAF2A0A36S3ASA	GAT2A0C48S4ASA	GAT2A0C60S5ASA
	-	GAM2A0C48S4ASB	GAM2A0C60S5ASB
RATED VOLTS/PH/HZ.	220-240/1/50	220-240/1/50	220-240/1/50
RATINGS	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
INDOOR COIL — Type	Plate Fin	Plate Fin	Plate Fin
Rows — F.P.I.	3 - 14	3 - 14	4 - 14
Face Area (sq. ft.)	3.21	5.50	5.50
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	TXV	TXV	TXV
Drain Conn. Size (in.) ①	3/4 NPT	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing	See Outline Drawing
INDOOR FAN — Type	Centrifugal	Centrifugal	Centrifugal
Diameter-Width (In.)	11 X 8	11 X 10	11 X 10
No. Used	1	1	1
Drive - No. Speeds	Direct - 3	Direct - 3	Direct - 5 ②
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors — H.P.	1 - 1/2	1 - 1/2	1 - 1
Motor Speed RPM	1075	1075	1050
Volts/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
F.L. Amps - L.R. Amps	2.4 - 3.8	3.1 - 5.5	7.6 - n/a
FILTER			
Filter Furnished?	No	No	No
Type Recommended	Throwaway	Throwaway	Throwaway
No.-Size-Thickness	1 - 16 X 20 - 1 in.	1 - 20 X 22 - 1 in.	1 - 20 X 22 - 1 in.
REFRIGERANT	**R-410A** ③	**R-410A** ④	**R-410A** ⑤
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size — in. Gas	3/4	7/8	7/8
Coupling or Conn. Size — in. Liq.	3/8	3/8	3/8
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	40.5 x 20 x 24.5	58 x 25.5 x 24.5	62.8 x 25.5 x 24.5
Uncrated	39.5 x 17.5 x 21.8	56.9 x 23.5 x 21.8	61.7 x 23.5 x 21.8
WEIGHT			
Shipping (Lbs.)/Net (Lbs.)	122/112	155/143	171/159

① 3/4" Male Plastic Pipe (Ref.: ASTM 1785-76)
② Constant torque Motor
③ R-22 requires TXV change. Use R-22 TXV conversion kit BAYATXV1836A.
④ R-22 requires TXV change. Use R-22 TXV conversion kit BAYATXV4248A.
⑤ R-22 requires TXV change. Use R-22 TXV conversion kit BAYATXV6060A.

Performance Data GAF

GAF2A0A36 AIRFLOW PERFORMANCE TABLE

AIRFLOW PERFORMANCE			
GAF2A0A36S3ASA			
EXTERNAL STATIC (in w.g)			
	Speed Taps - 220 VOLTS (50Hz)		
	3	2 †	1
0	1040	1010	983
0.1	1024	998	975
0.2	978	955	927
0.3	925	900	880
0.4	869	845	819
0.5	808	780	757
0.6	734	715	692
0.7	651	625	593
0.8	545	520	498
0.9	439	415	395
1.0	247	241	224
NOTES: 1. Values are with wet coil and without filters. 2. Contact your particular filter manufacturer for pressure drop data 3. † Factory Setting			

Note: *Heating and cooling speeds are the same, factory set at Speed Tap #2.*

Performance Data GAT/GAM

GAT2A0C48/GAM2A0C48 AIRFLOW PERFORMANCE TABLE

AIRFLOW PERFORMANCE			
	GAT2A0C48S4ASA/GAM2A0C48S4ASBA		
EXTERNAL STATIC (in w.g)	AIRFLOW (CFM)		
	Speed Taps - 220 VOLTS (50Hz)		
	3	2 †	1
0	1897	1815	1728
0.1	1827	1757	1676
0.2	1756	1687	1615
0.3	1682	1617	1552
0.4	1568	1532	1475
0.5	1476	1441	1390
0.6	1379	1340	1291
0.7	1258	1220	1150
0.8	1090	1050	984
0.9	915	891	783
1	682		

NOTES:
1. Values are with wet coil and without filters.
2. Contact your particular filter manufacturer for pressure drop data.
3. † Factory Setting

Note: *Heating and cooling speeds are the same, factory set at Speed Tap #2.*

Performance Data GAT/GAM

GAT2A0C60/GAM2A0C60 AIRFLOW PERFORMANCE TABLE

AIRFLOW PERFORMANCE					
	GAT2A0C60S5ASA/GAM2A0C60S5ASB				
EXTERNAL STATIC (in w.g)	AIRFLOW (CFM)				
	Speed Taps - 220 VOLTS (50Hz)				
	5	4 †	3	2	1
0	2161	1925	1885	1673	1624
0.1	2140	1903	1842	1635	1578
0.2	2110	1871	1807	1593	1540
0.3	2073	1833	1771	1552	1502
0.4	2023	1805	1728	1513	1457
0.5	1963	1766	1691	1468	1417
0.6	1900	1725	1650	1433	1373
0.7	1829	1688	1612	1397	1332
0.8	1742	1633	1572	1354	1290
0.9	1648	1579	1530	1314	1245
1.0	1547	1528	1493	1274	1206

NOTES:
1. Values are with wet coil and without filters.
2. Contact your particular filter manufacturer for pressure drop data.
3. † Factory Setting

Note: *Heating and cooling speeds are the same, factory set at Speed Tap #4 for the CTM motor.*

Performance Data
Cooling

4TTB3030AA WITH GAF2A0A36S3ASAA AT 974 CFM ** NET CAPACITY IN BTU/H X 1000

O.D.D.B.	I.D.W.B.	TOTAL CAPACITY	SENSIBLE CAPACITY				SYSTEM
			72	75	78	80	kW
85	59	27.79	22.79	25.92	27.19	27.79	2.076
	63	29.05	18.11	21.28	24.41	26.62	2.083
	67	30.71	13.32	16.56	19.66	21.76	2.092
95	59	26.65	22.18	25.23	26.00	26.65	2.313
	63	27.58	17.55	20.68	23.85	25.96	2.319
	67	29.20	12.80	15.95	19.06	21.19	2.329
105	63	26.14	16.98	20.11	23.24	25.35	2.586
	67	27.57	12.18	15.41	18.57	20.63	2.596
	71	29.38	7.20	10.50	13.71	15.83	2.611
115	63	24.57	16.30	19.50	22.67	24.42	2.893
	67	25.86	11.57	14.77	17.92	20.07	2.901
	71	27.55	6.72	9.90	13.14	15.18	2.914
118.4	67	25.26	11.39	14.60	17.74	19.86	3.015
120	63	23.67	16.00	19.17	22.30	23.64	3.062
	67	24.97	11.28	14.50	17.64	19.77	3.070
	71	26.60	6.34	9.65	12.86	14.96	3.082
125	63	22.76	15.68	18.83	21.85	22.76	3.245
	67	24.01	10.97	14.18	17.34	19.44	3.252
	71	25.63	6.12	9.38	12.56	14.71	3.263
125.6	67	23.90	10.93	14.11	17.30	19.41	3.274
*** 95	67	29.20	IDDB=	80.00	21.19		2.329

***** Performance at selected design conditions**
*** Dry coil condition (Total Capacity = Sensible Capacity)**
Total capacity, compressor kW and app. dew point valid only for wetcoil
All temperatures in Degree F

VALUES AT ARI RATING CONDITIONS
NET CAPACITY= 29,200 BTUH
AIRFLOW = 974 CFM
COMPRESSOR POWER = 1812 WATTS
I.D. FAN POWER = 336 WATTS
O.D. FAN POWER = 182 WATTS
COP = 3.66
E.E.R. = 12.5 BTUH/W

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	900	1050
TOTALCAP.	x 0.98	x 1.02
SENS. CAP	x 0.93	x 1.07
COMPRESSOR KW	x 0.99	x 1.01

Rated with 25 Feet 3/4 suction 3/8 liquid lines

Compressor Watts = 2,463 @ 118.4F

4TTB3036AA WITH GAF2A0A36S3ASAA AT 974 CFM ** NET CAPACITY IN BTU/H X 1000

O.D.D.B.	I.D.W.B.	TOTAL CAPACITY	SENSIBLE CAPACITY				SYSTEM
			72	75	78	80	kW
85	59	30.85	24.38	27.43	30.43	30.85	2.471
	63	32.73	19.68	22.85	25.95	28.13	2.482
	67	34.78	14.68	18.03	21.23	24.20	2.494
95	59	29.40	23.66	26.74	29.16	29.40	2.755
	63	30.96	18.95	22.13	25.32	27.33	2.764
	67	32.92	14.16	17.32	20.52	23.47	2.816
105	63	29.22	18.19	21.33	24.53	26.64	3.082
	67	31.01	13.35	16.62	19.67	22.74	3.095
	71	33.08	8.42	11.63	14.87	17.05	3.109
115	63	27.38	17.50	20.65	23.82	25.90	3.440
	67	29.03	12.71	15.89	19.06	22.00	3.454
	71	30.96	7.86	11.03	14.18	16.32	3.469
118.4	67	28.36	12.49	15.70	18.77	21.80	3.620
120	63	26.48	17.07	20.27	23.45	25.54	3.639
	67	27.97	12.38	15.53	18.65	21.59	3.652
	71	29.88	7.38	10.65	13.85	16.01	3.668
125	63	25.50	16.73	19.90	23.12	24.97	3.850
	67	26.93	12.02	15.16	18.35	21.25	3.862
	71	28.75	7.08	10.30	13.51	15.66	3.877
125.6	67	26.81	11.92	15.12	18.30	21.02	3.888
*** 95	67	32.92	IDDB=	80.00	23.47		2.816

***** Performance at selected design conditions**
*** Dry coil condition (Total Capacity = Sensible Capacity)**
Total capacity, compressor kW and app. dew point valid only for wetcoil
All temperatures in Degree F

VALUES AT ARI RATING CONDITIONS
NET CAPACITY= 32,920 BTUH
AIRFLOW = 974 CFM
COMPRESSOR POWER = 2257 WATTS
I.D. FAN POWER = 377 WATTS
O.D. FAN POWER = 182 WATTS
COP = 3.43
E.E.R. = 11.7 BTUH/W

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	900	1050
TOTALCAP.	x 0.98	x 1.02
SENS. CAP	x 0.93	x 1.07
COMPRESSOR KW	x 0.99	x 1.01

Rated with 25 Feet 7/8 suction 3/8 liquid lines

Compressor Watts = 3,079 @ 118.4F

Performance Data
Cooling

4TTA3030AD WITH GAF2A0A36S3ASAA AT 974 CFM ** NET CAPACITY IN BTU/H X 1000

O.D.D.B.	I.D.W.B.	TOTAL CAPACITY	SENSIBLE CAPACITY				SYSTEM
			72	75	78	80	kW
85	59	28.23	22.99	26.12	27.85	28.23	2.281
	63	29.53	18.37	21.46	24.55	26.63	2.285
	67	31.28	13.56	16.70	19.83	21.88	2.291
95	59	27.03	22.34	25.43	26.40	27.03	2.530
	63	28.01	17.72	20.84	23.96	26.01	2.534
	67	29.66	12.93	16.06	19.27	21.29	2.541
105	63	26.51	17.05	20.20	23.39	25.45	2.813
	67	27.96	12.30	15.48	18.61	20.70	2.822
	71	29.78	7.35	10.60	13.81	15.91	2.834
115	63	24.85	16.41	19.60	22.63	24.51	3.124
	67	26.20	11.70	14.86	18.00	20.12	3.133
	71	27.90	6.80	10.01	13.21	15.34	3.147
118.4	67	25.58	11.47	14.67	17.79	19.92	3.248
120	63	24.01	16.08	19.28	22.41	23.92	3.292
	67	25.28	11.38	14.58	17.69	19.81	3.303
	71	26.90	6.47	9.71	12.92	15.00	3.316
125	63	23.12	15.77	18.95	21.94	23.11	3.470
	67	24.34	11.06	14.26	17.39	19.51	3.480
	71	25.89	6.00	9.47	12.62	14.75	3.494
125.6	67	24.23	11.10	14.20	17.40	19.50	3.502
*** 95	67	29.66	IDDB=	80.00	21.29		2.541

*** Performance at selected design conditions
* Dry coil condition (Total Capacity = Sensible Capacity)
Total capacity, compressor kW and app. dew point valid only for wetcoil
All temperatures in Degree F

VALUES AT ARI RATING CONDITIONS
NET CAPACITY= 29,660 BTUH
AIRFLOW = 974 CFM
COMPRESSOR POWER = 1994 WATTS
I.D. FAN POWER = 336 WATTS
O.D. FAN POWER = 211 WATTS
COP = 3.42
E.E.R. = 11.67 BTUH/W

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	900	1050
TOTALCAP.	x 0.98	x 1.02
SENS. CAP	x 0.93	x 1.07
COMPRESSOR KW	x 0.99	x 1.01

Rated with 25 Feet 3/4 suction 3/8 liquid lines

Compressor Watts = 2,645 @ 118.4F

4TTA3036AD WITH GAF2A0A36S3ASAA AT 974 CFM ** NET CAPACITY IN BTU/H X 1000

O.D.D.B.	I.D.W.B.	TOTAL CAPACITY	SENSIBLE CAPACITY				SYSTEM
			72	75	78	80	kW
85	59	32.63	25.00	28.35	31.69	32.62	2.672
	63	34.34	19.96	23.35	26.73	28.95	2.680
	67	36.52	14.79	18.18	21.58	24.98	2.691
95	59	30.85	24.19	27.61	30.63	30.85	2.694
	63	32.60	19.20	22.58	25.91	28.21	2.973
	67	34.64	14.14	17.47	20.80	24.18	2.984
105	63	30.78	18.43	21.79	25.16	27.41	3.311
	67	32.68	13.24	16.69	20.08	23.41	3.320
	71	34.84	8.07	11.47	14.89	17.05	3.332
115	63	28.86	17.64	21.00	24.38	26.63	3.702
	67	30.58	12.59	15.95	19.29	22.55	3.712
	71	32.66	7.47	10.80	14.11	16.32	3.722
118.4	67	29.88	12.38	15.68	19.05	22.31	3.859
120	63	27.84	17.21	20.59	24.00	26.16	3.923
	67	29.54	12.21	15.56	18.93	22.20	3.931
	71	31.53	7.02	10.45	13.74	15.97	3.940
125	63	26.88	16.81	20.19	23.59	25.82	4.161
	67	28.44	11.81	15.21	18.49	21.80	4.166
	71	30.34	6.62	10.11	13.37	15.62	4.178
125.6	67	28.28	11.8	15.1	18.5	20.7	4.196
*** 95	67	34.64	IDDB=	80.00	23.03		2.984

*** Performance at selected design conditions
* Dry coil condition (Total Capacity = Sensible Capacity)
Total capacity, compressor kW and app. dew point valid only for wetcoil
All temperatures in Degree F

VALUES AT ARI RATING CONDITIONS
NET CAPACITY= 34,640 BTUH
AIRFLOW = 974 CFM
COMPRESSOR POWER = 2437 WATTS
I.D. FAN POWER = 336WATTS
O.D. FAN POWER = 211 WATTS
COP = 3.41
E.E.R. = 11.61 BTUH/W

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	900	1050
TOTALCAP.	x 0.98	x 1.02
SENS. CAP	x 0.93	x 1.07
COMPRESSOR KW	x 0.99	x 1.01

Rated with 25 Feet 7/8 suction 3/8 liquid lines

Compressor Watts = 3,288 @ 118.4F

Performance Data
Cooling

4TTA3042AD WITH GAT2A0C48S4ASA/GAM2A0C48S4ASB AT 1575 CFM ** NET CAPACITY IN BTU/H X 1000

O.D.D.B.	I.D.W.B.	TOTAL CAPACITY	SENSIBLE CAPACITY				SYSTEM
			72	75	78	80	kW
85	59	43.75	37.05	41.55	42.78	43.75	3.285
	63	44.72	28.56	34.20	39.88	43.18	3.293
	67	47.09	20.37	25.78	31.20	34.96	3.313
95	59	41.79	36.01	39.49	40.82	41.79	3.633
	63	42.43	27.65	33.28	38.85	41.91	3.639
	67	44.58	19.49	24.95	30.36	34.09	3.660
105	63	39.95	26.75	32.42	37.83	39.91	4.028
	67	42.03	18.58	23.97	29.49	33.27	4.050
	71	44.46	10.39	15.74	21.24	27.79	4.077
115	63	37.52	25.79	31.51	36.57	37.52	4.465
	67	39.35	17.67	23.08	28.66	32.37	4.487
	71	41.61	9.51	14.82	20.39	23.84	4.515
118.4	67	38.45	17.35	22.78	28.31	32.13	4.647
120	63	36.38	25.37	31.05	35.68	36.38	4.704
	67	38.01	17.21	22.64	28.21	32.02	4.723
	71	40.15	8.96	14.45	19.96	23.46	4.752
125	63	35.19	24.88	30.58	34.49	35.19	4.956
	67	36.59	16.73	22.17	27.76	31.59	4.974
	71	38.61	8.67	14.12	19.51	22.99	5.001
125.6	67	36.41	16.7	22.1	27.7	31.51	5.004
*** 95	67	44.58	IDDB=	80.00	34.09		3.660

VALUES AT 95/80/67 RATING CONDITIONS
NET CAPACITY= 44,580 BTUH
AIRFLOW = 1581 CFM
COMPRESSOR POWER = 2944 WATTS
I.D. FAN POWER = 535 WATTS
O.D. FAN POWER = 182 WATTS
COP = 3.57
E.E.R. = 12.18 BTUH/W

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1500	1650
TOTALCAP.	x 0.98	x 1.02
SENS. CAP	x 0.93	x 1.07
COMPRESSOR KW	x 0.99	x 1.01

Rated with 25 Feet 7/8 suction 3/8 liquid lines

Compressor Watts =3,869 @ 118.4F

***** Performance at selected design conditions**

*** Dry coil condition (Total Capacity = Sensible Capacity)**

Total capacity, compressor kW and app. dew point valid only for wetcoil

All temperatures in Degree F

4TTA3048AD WITH GAT2A0C48S4ASA/GAM2A0C48S4ASB AT 1581 CFM ** NET CAPACITY IN BTU/H X 1000

O.D.D.B.	I.D.W.B.	TOTAL CAPACITY	SENSIBLE CAPACITY				SYSTEM
			72	75	78	80	kW
85	59	45.98	37.98	43.09	44.93	45.98	3.606
	63	47.41	29.47	35.02	40.81	44.42	3.618
	67	49.90	21.10	26.55	32.05	35.81	3.638
95	59	43.96	37.03	41.68	42.95	43.96	3.990
	63	44.99	28.47	34.09	39.86	43.26	3.999
	67	47.33	19.99	25.56	31.11	34.89	4.022
105	63	42.53	27.47	33.13	38.78	41.91	4.428
	67	44.65	19.16	24.68	30.19	33.95	4.452
	71	47.19	10.63	16.06	21.64	25.26	4.481
115	63	39.86	26.48	32.13	37.69	39.80	4.907
	67	41.89	18.12	23.63	29.23	33.05	4.933
	71	44.18	9.76	15.40	20.67	24.36	4.964
118.4	67	40.86	17.78	23.34	28.91	32.66	5.109
120	63	38.45	25.98	31.67	37.01	38.45	5.164
	67	40.41	17.59	23.18	28.77	32.59	5.195
	71	42.67	9.19	14.71	20.25	23.96	5.226
125	63	37.12	25.43	31.14	36.22	37.12	5.442
	67	38.92	17.08	22.64	28.28	32.12	5.468
	71	41.01	8.78	14.16	19.72	23.43	5.498
125.6	67	38.73	17.0	22.6	28.2	32.1	5.502
*** 95	67	47.33	IDDB=	80.00	34.89		4.022

VALUES AT ARI RATING CONDITIONS
NET CAPACITY= 47,330 BTUH
AIRFLOW = 1581 CFM
COMPRESSOR POWER = 3307 WATTS
I.D. FAN POWER = 535 WATTS
O.D. FAN POWER = 180 WATTS
COP = 3.44
E.E.R. = 11.77 BTUH/W

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1500	1650
TOTALCAP.	x 0.99	x 1.00
SENS. CAP	x 0.97	x 1.02
COMPRESSOR KW	x 0.99	x 1.002

Rated with 25 Feet 7/8 suction 3/8 liquid lines

Compressor Watts = 4,439 @ 118.4F

***** Performance at selected design conditions**

*** Dry coil condition (Total Capacity = Sensible Capacity)**

Total capacity, compressor kW and app. dew point valid only for wetcoil

All temperatures in Degree F

Performance Data
Cooling

4TTA3060AD WITH GAT2A0C60S5ASA/GAM2A0C60S5ASB AT 1750 CFM ** NET CAPACITY IN BTU/H X 1000

O.D.D.B.	I.D.W.B.	TOTAL CAPACITY	SENSIBLE CAPACITY				SYSTEM
			72	75	78	80	kW
85	59	53.57	44.32	50.35	54.04	55.22	4.246
	63	55.22	35.41	41.26	47.43	51.39	4.267
	67	58.46	26.39	32.38	38.18	42.29	4.307
95	59	51.17	43.01	48.99	51.523	52.75	4.713
	63	52.32	34.11	40.10	46.15	50.15	4.729
	67	55.42	25.20	31.12	37.00	41.15	4.771
105	63	49.40	32.75	38.86	44.90	48.91	5.251
	67	52.25	23.81	29.93	35.84	39.92	5.294
	71	55.51	15.17	20.99	27.03	30.85	5.345
115	63	46.30	31.42	37.53	43.56	47.23	5.831
	67	48.85	22.70	28.71	34.65	38.58	5.874
	71	51.96	13.91	19.82	25.73	29.71	5.927
118.4	67	47.63	22.32	28.24	34.20	38.14	6.084
120	63	44.57	30.82	36.85	42.78	45.88	6.140
	67	44.57	22.02	27.99	33.88	37.92	6.184
	71	50.04	13.21	19.11	25.09	29.09	6.237
125	63	42.85	29.99	36.14	42.09	44.17	6.462
	67	45.10	21.30	27.30	33.21	37.21	6.503
	71	48.01	12.64	18.40	24.43	28.35	6.559
125.6	67	44.90	21.2	27.3	33.1	37.2	6.544
*** 95	67	55.42	IDDB=	80.00	41.15		4.771

***** Performance at selected design conditions**

*** Dry coil condition (Total Capacity = Sensible Capacity)**

Total capacity, compressor kW and app. dew point valid only for wetcoil

All temperatures in Degree F

VALUES AT 95/80/67 RATING CONDITIONS
NET CAPACITY= 55,420 BTUH
AIRFLOW = 1750 CFM
COMPRESSOR POWER = 4006 WATTS
I.D. FAN POWER = 585 WATTS
O.D. FAN POWER = 180 WATTS
COP = 3.40
E.E.R. = 11.62 BTUH/W

CORRECTION FACTORS - OTHER AIRFLOWS
(Multiply or Add as indicated)

AIRFLOW	1650	1850
TOTALCAP.	x 0.99	x 1.08
SENS. CAP	x 0.98	x 1.01
COMPRESSOR KW	x 0.98	x 0.97

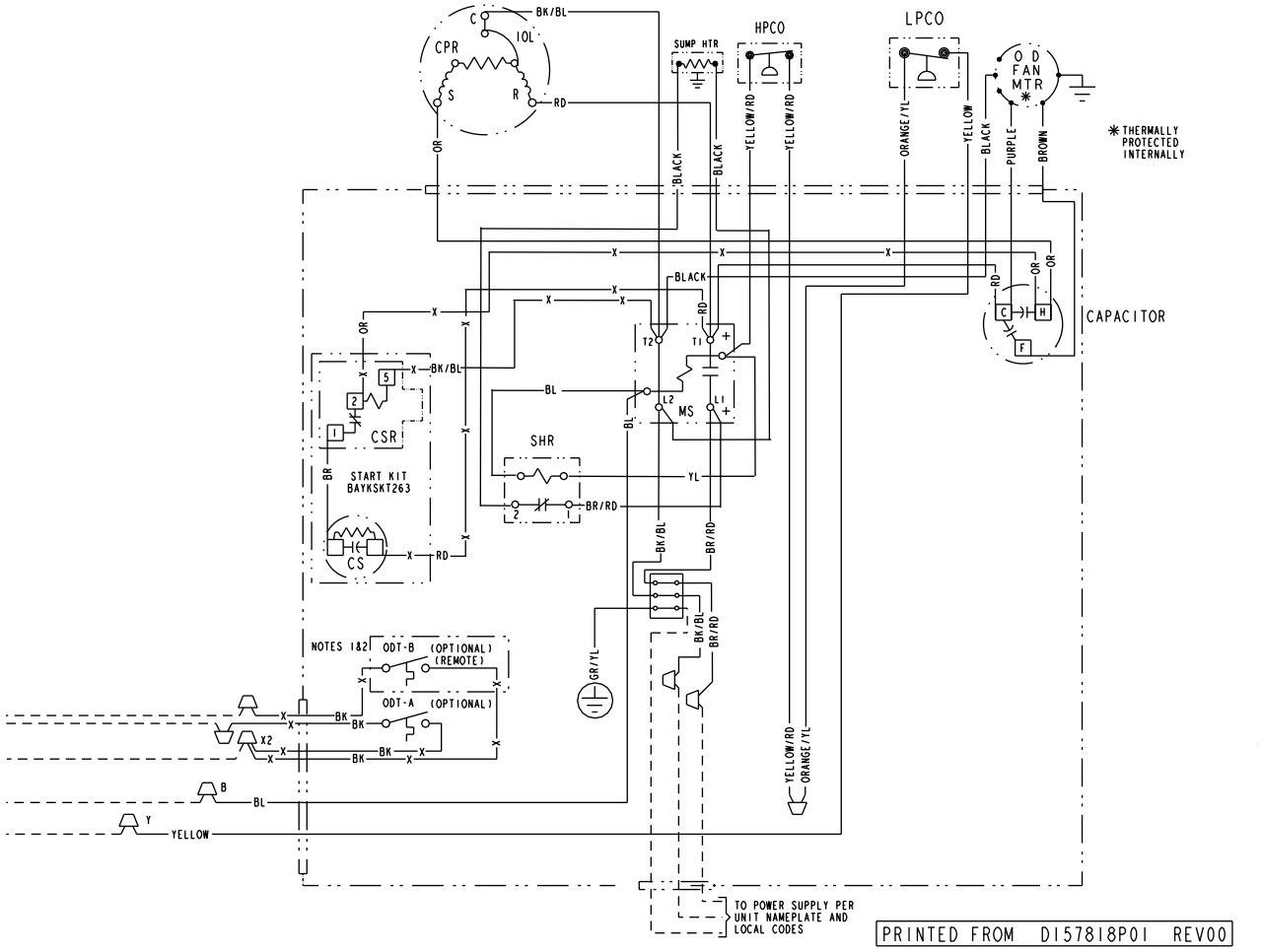
Rated with 25 Feet 7/8 suction 3/8 liquid lines

Compressor Watts = 5,249 @ 118.4F

Electrical Data

Schematic Diagrams

4TTB3018, 4TTB3024, 4TTB3030, 4TTB 3036



COLOR OF WIRE
BK/BL BLACK WIRE WITH BLUE MARKER
COLOR OF MARKER

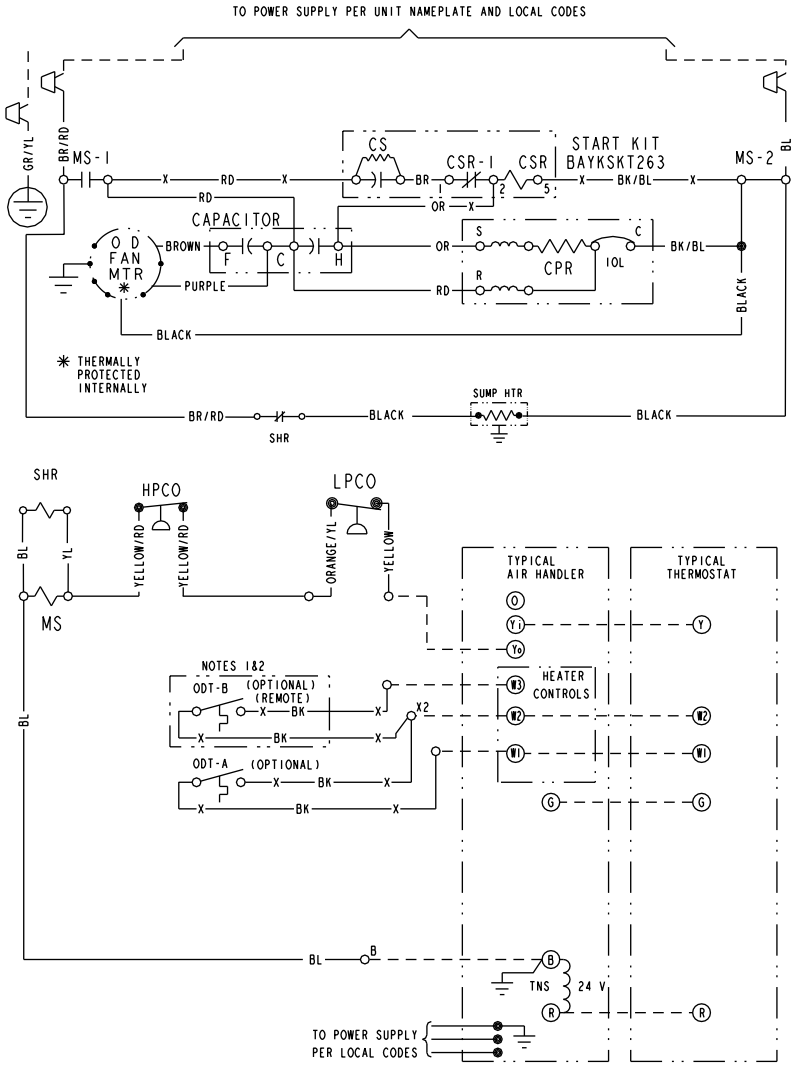
BK	BLACK	OR	ORANGE	YL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WH	WHITE	PR	PURPLE

CA	COOLING ANTICIPATOR
CBS	COIL BOTTOM SENSOR
CF	FAN CAPACITOR
CN	WIRE CONNECTOR
CPR	COMPRESSOR
CR	RUN CAPACITOR
CS	STARTING CAPACITOR
CSR	CAPACITOR SWITCHING RELAY
DFC	DEFROST CONTROL
F	INDOOR FAN RELAY
HA	HEATING ANTICIPATOR
HPCO	HIGH PRESSURE CUTOUT SW.
IOL	INTERNAL OVERLOAD PROTECTOR
ACR	A/C RECTIFIER

LPCO	LOW PRESSURE CUTOUT SW.
MS	COMPRESSOR MOTOR CONTACTOR
ODA	OUTDOOR ANTICIPATOR
OFT	OUTDOOR FAN THERMOSTAT
ODS	OUTDOOR TEMPERATURE SENSOR
ODT	OUTDOOR THERMOSTAT
RHS	RESISTANCE HEAT SWITCH
SC	SWITCHOVER VALVE SOLENOID
SW	SYSTEM "ON-OFF" SWITCH
TDL	DISCHARGE LINE THERMOSTAT
TNS	TRANSFORMER
TS	HEATING-COOLING THERMOSTAT
TSH	HEATING THERMOSTAT
R	OFT SHUNT RESISTOR
SHR	SUMP HEATER RELAY

⚠ WARNING	⚠ CAUTION
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!	USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

Electrical Data



CA	COOLING ANTICIPATOR	LPCO	LOW PRESSURE CUTOUT SW.
CBS	COIL BOTTOM SENSOR	MS	COMPRESSOR MOTOR CONTACTOR
CF	FAN CAPACITOR	ODA	OUTDOOR ANTICIPATOR
CN	WIRE CONNECTOR	OFT	OUTDOOR FAN THERMOSTAT
CPR	COMPRESSOR	ODS	OUTDOOR TEMPERATURE SENSOR
CR	RUN CAPACITOR	ODT	OUTDOOR THERMOSTAT
CS	STARTING CAPACITOR	RHS	RESISTANCE HEAT SWITCH
CSR	CAPACITOR SWITCHING RELAY	SC	SWITCHOVER VALVE SOLENOID
DFC	DEFROST CONTROL	SM	SYSTEM "ON-OFF" SWITCH
F	INDOOR FAN RELAY	TDL	DISCHARGE LINE THERMOSTAT
HA	HEATING ANTICIPATOR	TNS	TRANSFORMER
HPCO	HIGH PRESSURE CUTOUT SW.	TS	HEATING-COOLING THERMOSTAT
IOL	INTERNAL OVERLOAD PROTECTOR	TSH	HEATING THERMOSTAT
ACR	A/C RECTIFIER	R	OFT SHUNT RESISTOR
		SHR	SUMP HEATER RELAY

⚠ WARNING	⚠ CAUTION
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!	USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

BK/BL — BK = COLOR OF WIRE, BL = COLOR OF MARKER — BLACK WIRE WITH BLUE MARKER

BK	BLACK	OR	ORANGE	YL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WH	WHITE	PR	PURPLE

NOTES:

1. IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER.
   IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

FOR CANADIAN INSTALLATIONS
POUR INSTALLATIONS CANADIENNES

CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V-TO-GROUND.
ATTENTION: NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE.

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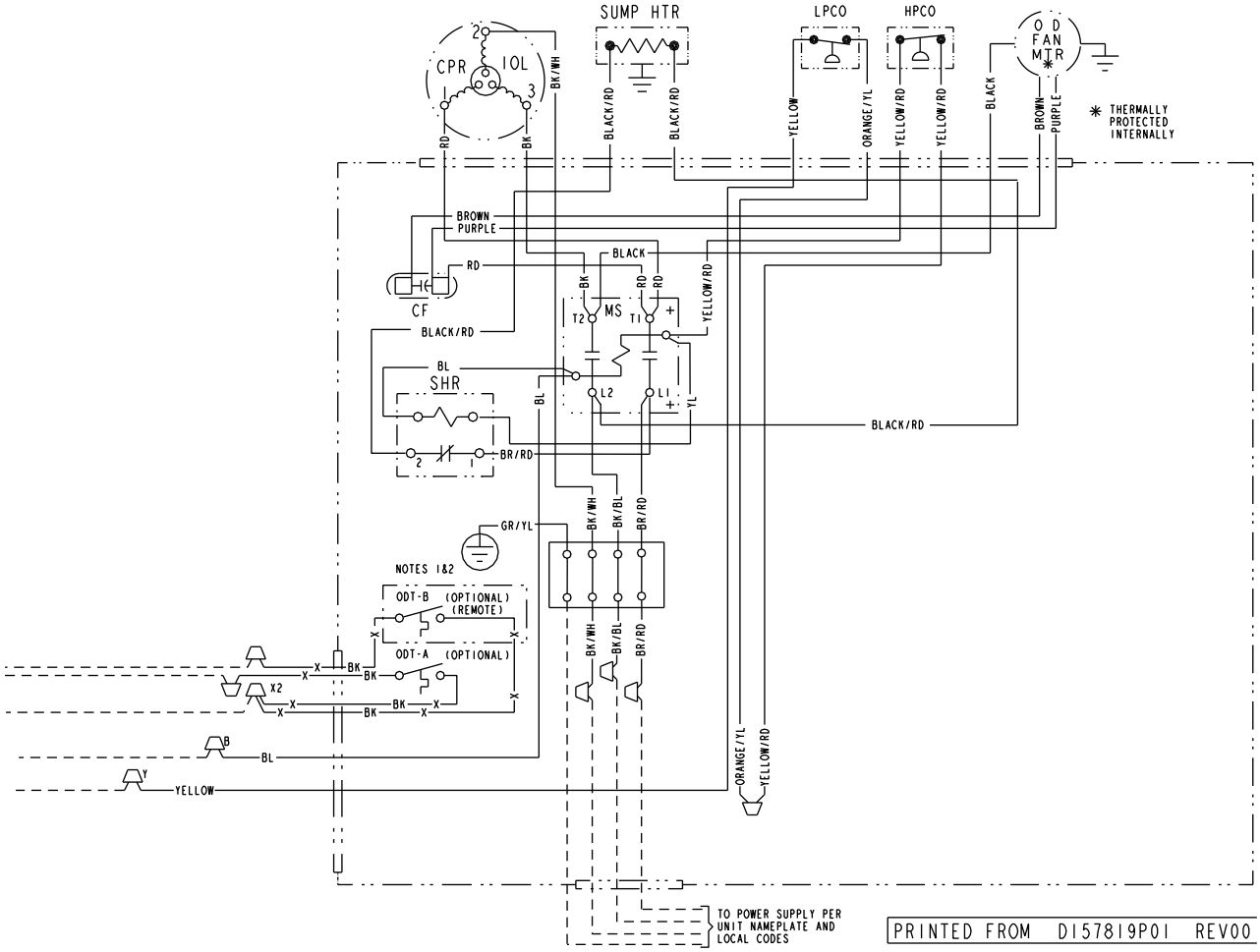
Electrical Data

Schematic Diagrams

4TTA3030AD, 4TTA3036AD, 4TTA3042AD, 4TTA3048AD, 4TTA3060AD



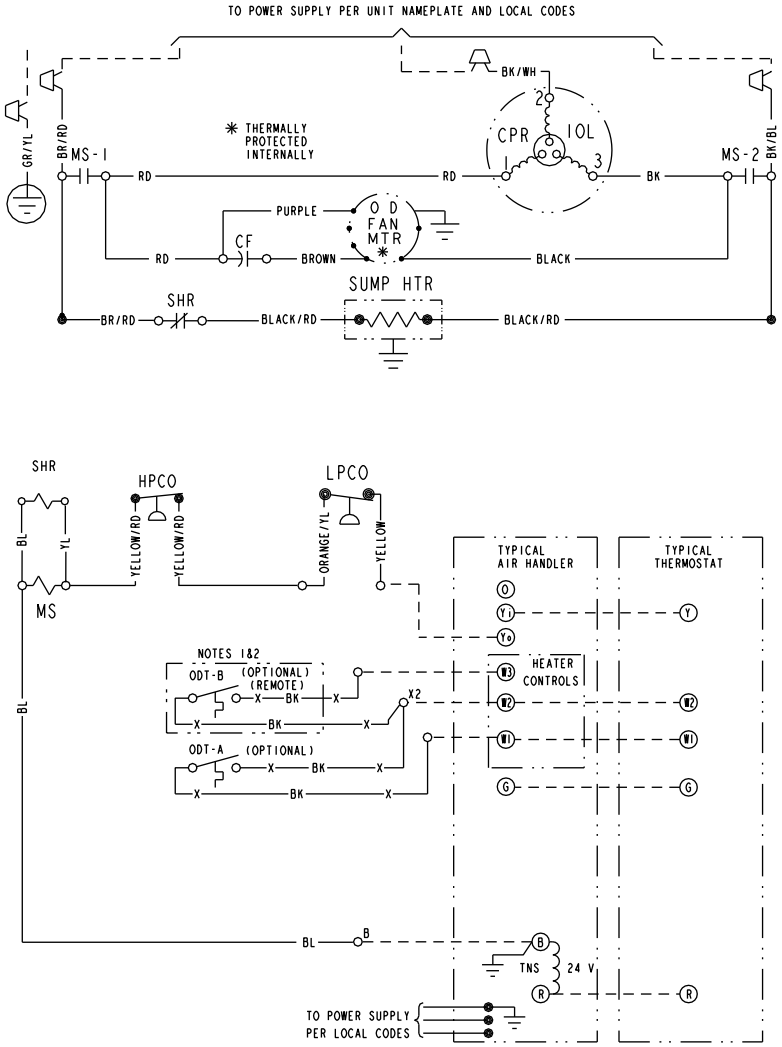
BK/BL — COLOR OF WIRE; BLACK WIRE WITH BLUE MARKER; COLOR OF MARKER

BK	BLACK	OR	ORANGE	YL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WH	WHITE	PR	PURPLE

CA	COOLING ANTICIPATOR
CBS	COIL BOTTOM SENSOR
CF	FAN CAPACITOR
CN	WIRE CONNECTOR
CPR	COMPRESSOR
CR	RUN CAPACITOR
CS	STARTING CAPACITOR
CSR	CAPACITOR SWITCHING RELAY
DFC	DEFROST CONTROL
F	INDOOR FAN RELAY
HA	HEATING ANTICIPATOR
HPCO	HIGH PRESSURE CUTOUT SW.
IOL	INTERNAL OVERLOAD PROTECTOR
LPCO	LOW PRESSURE CUTOUT SW.
MS	COMPRESSOR MOTOR CONTACTOR
ODA	OUTDOOR ANTICIPATOR
OFT	OUTDOOR FAN THERMOSTAT
ODS	OUTDOOR TEMPERATURE SENSOR
ODT	OUTDOOR THERMOSTAT
RHS	RESISTANCE HEAT SWITCH
SC	SWITCHOVER VALVE SOLENOID
SHR	SUMP HEAT RELAY
SW	SYSTEM "ON-OFF" SWITCH
TDL	DISCHARGE LINE THERMOSTAT
TNS	TRANSFORMER
TS	HEATING-COOLING THERMOSTAT
TSH	HEATING THERMOSTAT
SHR	SUMP HEATER RELAY

⚠ WARNING	⚠ CAUTION
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECT BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!	USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

Electrical Data



CA	COOLING ANTICIPATOR	LPCO	LOW PRESSURE CUTOUT SW.
CBS	COIL BOTTOM SENSOR	MS	COMPRESSOR MOTOR CONTACTOR
CF	FAN CAPACITOR	ODA	OUTDOOR ANTICIPATOR
CN	WIRE CONNECTOR	OFT	OUTDOOR FAN THERMOSTAT
CPR	COMPRESSOR	ODS	OUTDOOR TEMPERATURE SENSOR
CR	RUN CAPACITOR	ODT	OUTDOOR THERMOSTAT
CS	STARTING CAPACITOR	RHS	RESISTANCE HEAT SWITCH
CSR	CAPACITOR SWITCHING RELAY	SC	SWITCHOVER VALVE SOLENOID
DFC	DEFROST CONTROL	SHR	SUMP HEAT RELAY
F	INDOOR FAN RELAY	SM	SYSTEM "ON-OFF" SWITCH
HA	HEATING ANTICIPATOR	TDL	DISCHARGE LINE THERMOSTAT
HPCO	H GH PRESSURE CUTOUT SW.	TNS	TRANSFORMER
IOL	INTERNAL OVERLOAD PROTECTOR	TS	HEATING-COOLING THERMOSTAT
		TSH	HEATING THERMOSTAT
		SHR	SUMP HEATER RELAY

⚠ WARNING	⚠ CAUTION
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!	USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

COLOR OF WIRE
BK/BL BLACK WIRE WITH BLUE MARKER
COLOR OF MARKER

BK	BLACK	OR	ORANGE	YL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WH	WHITE	PR	PURPLE

NOTES:

1. IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER.
   IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

NOTE
THREE PHASE MOTOR (S) FACTORY SUPPLIED IN THIS EQUIPMENT PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

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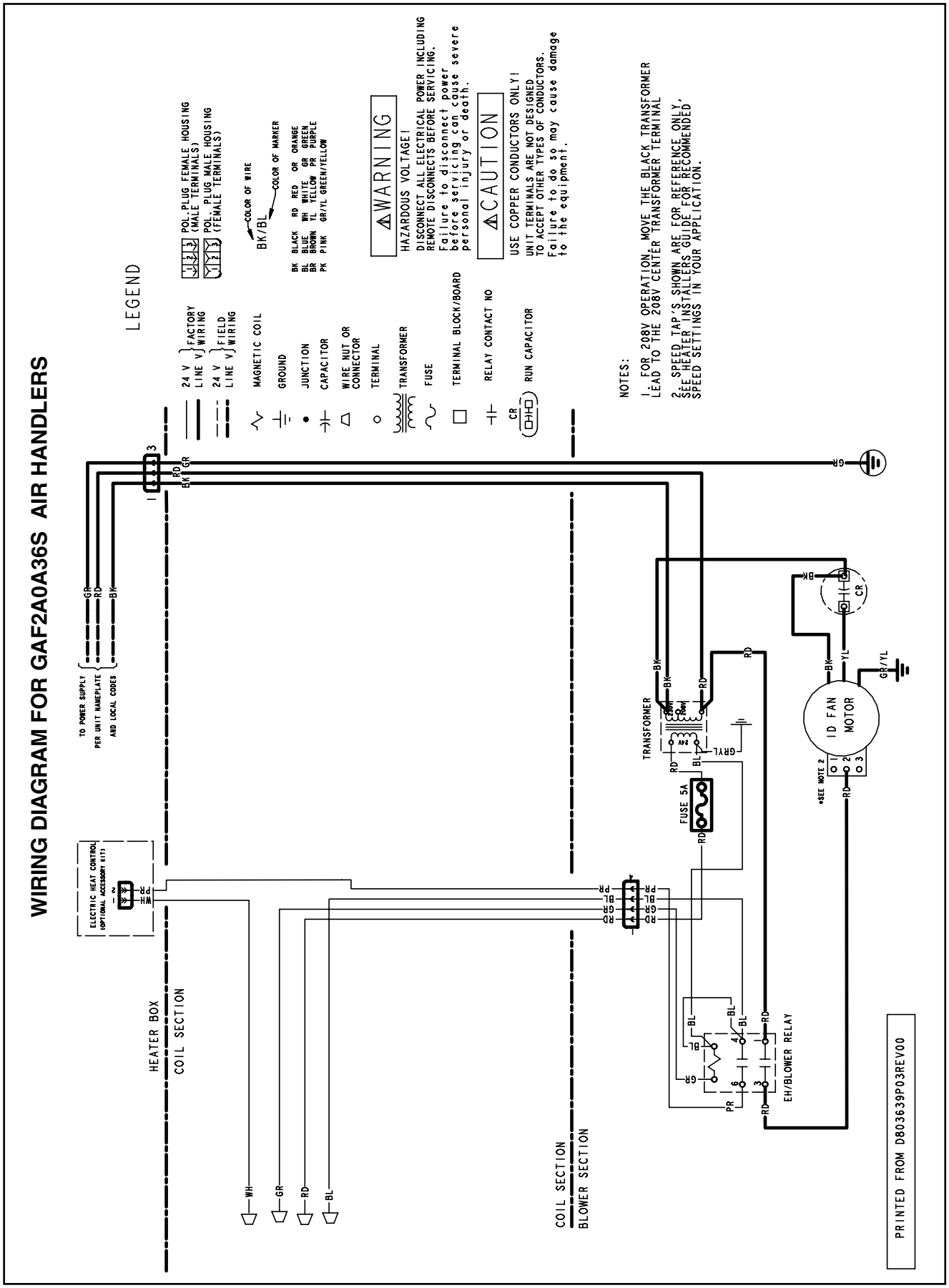
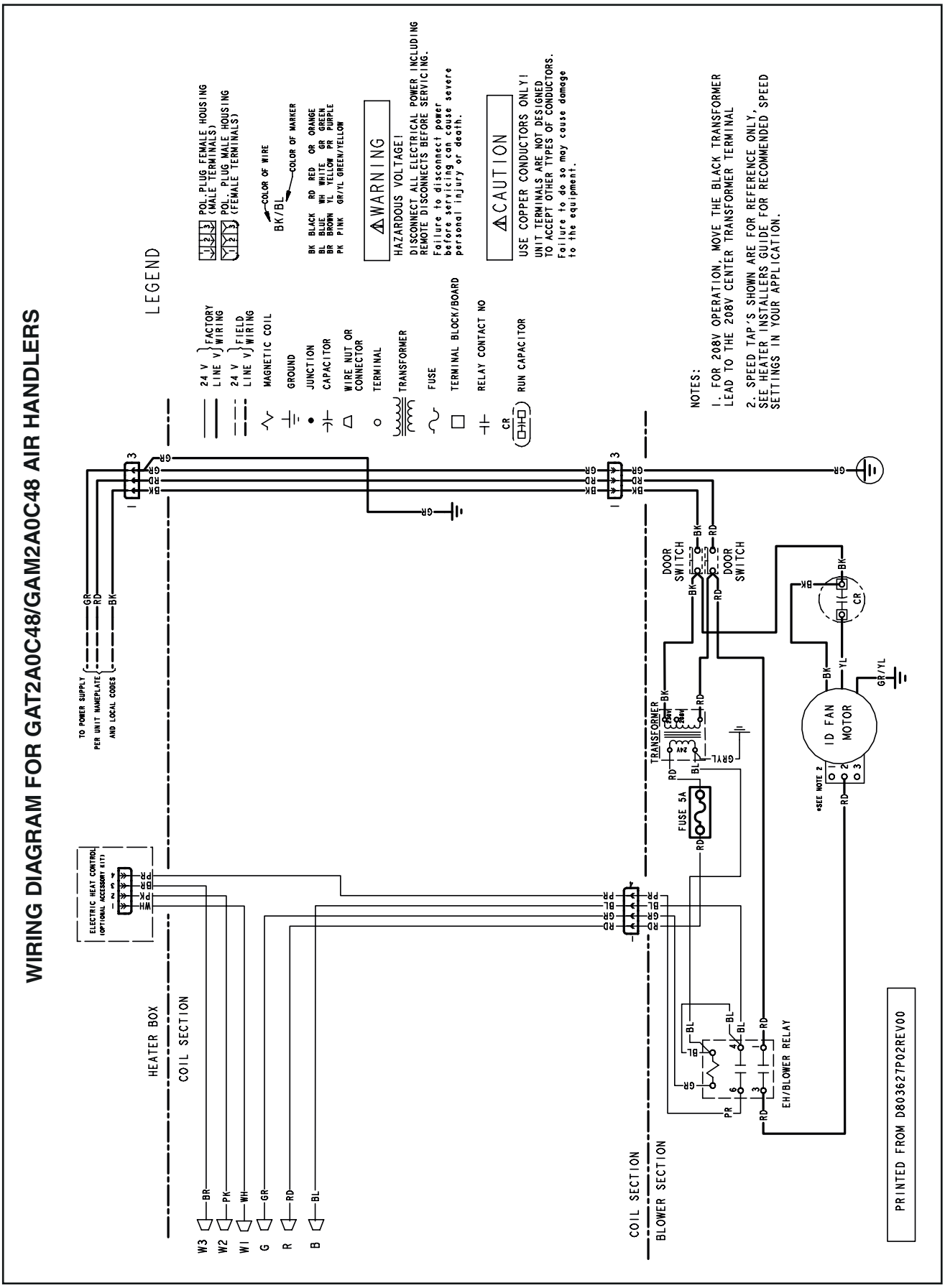
WIRING DIAGRAM FOR GAF2A0A36S AIR HANDLERS

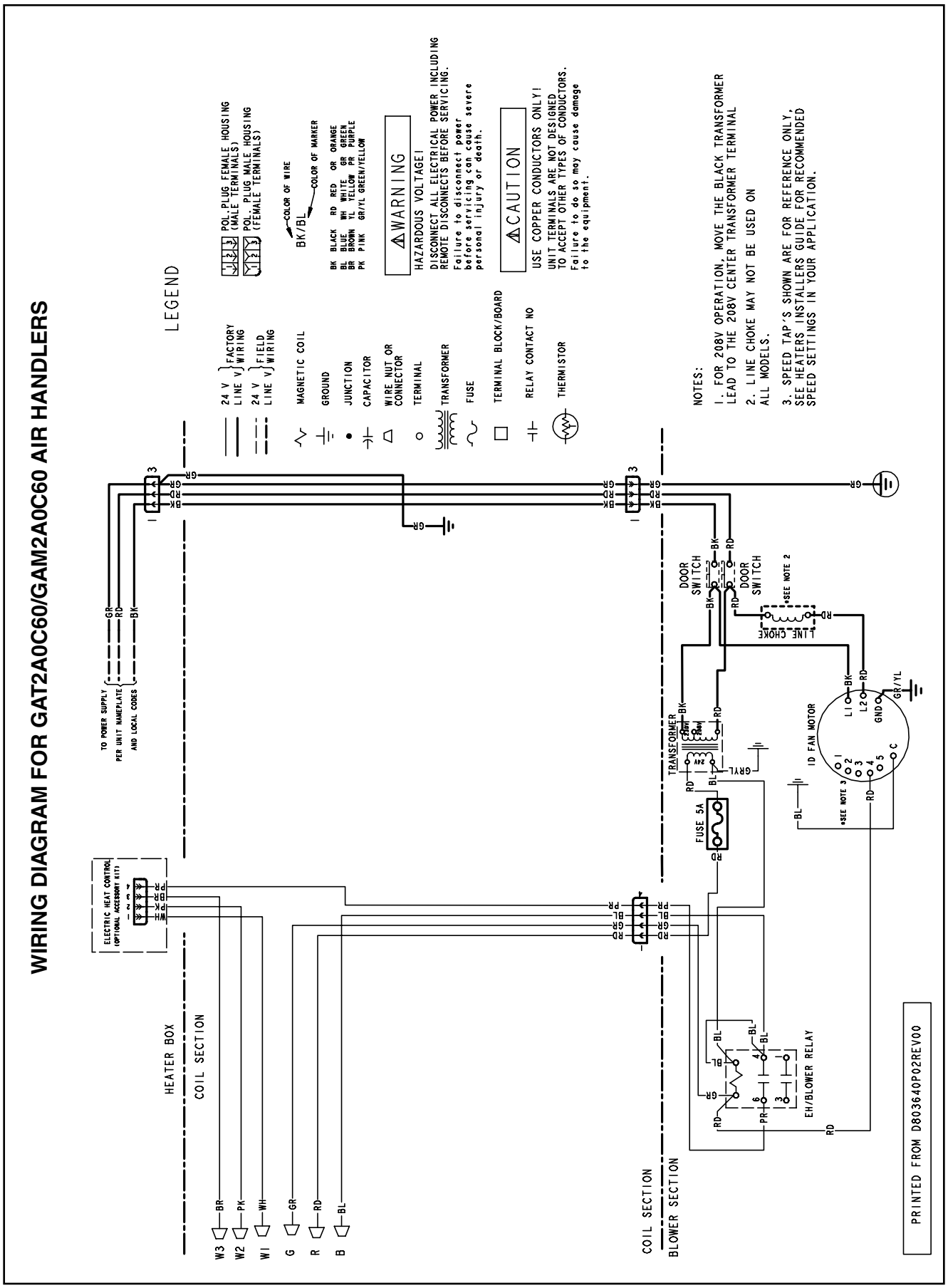


SSA-PRCXXX-E4

WIRING DIAGRAM FOR GAT2A0C48/GAM2A0C48 AIR HANDLERS

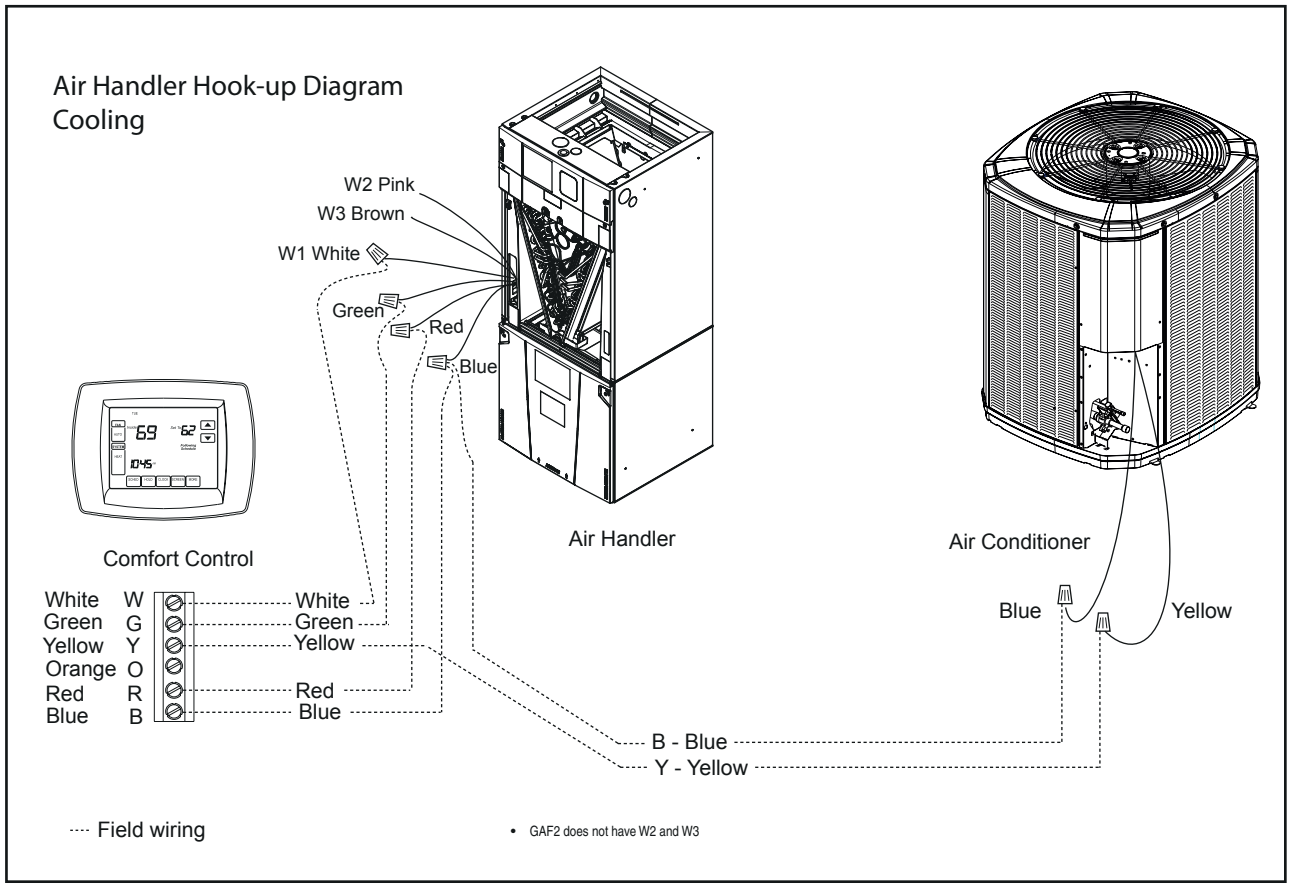


WIRING DIAGRAM FOR GAT2A0C60/GAM2A0C60 AIR HANDLERS



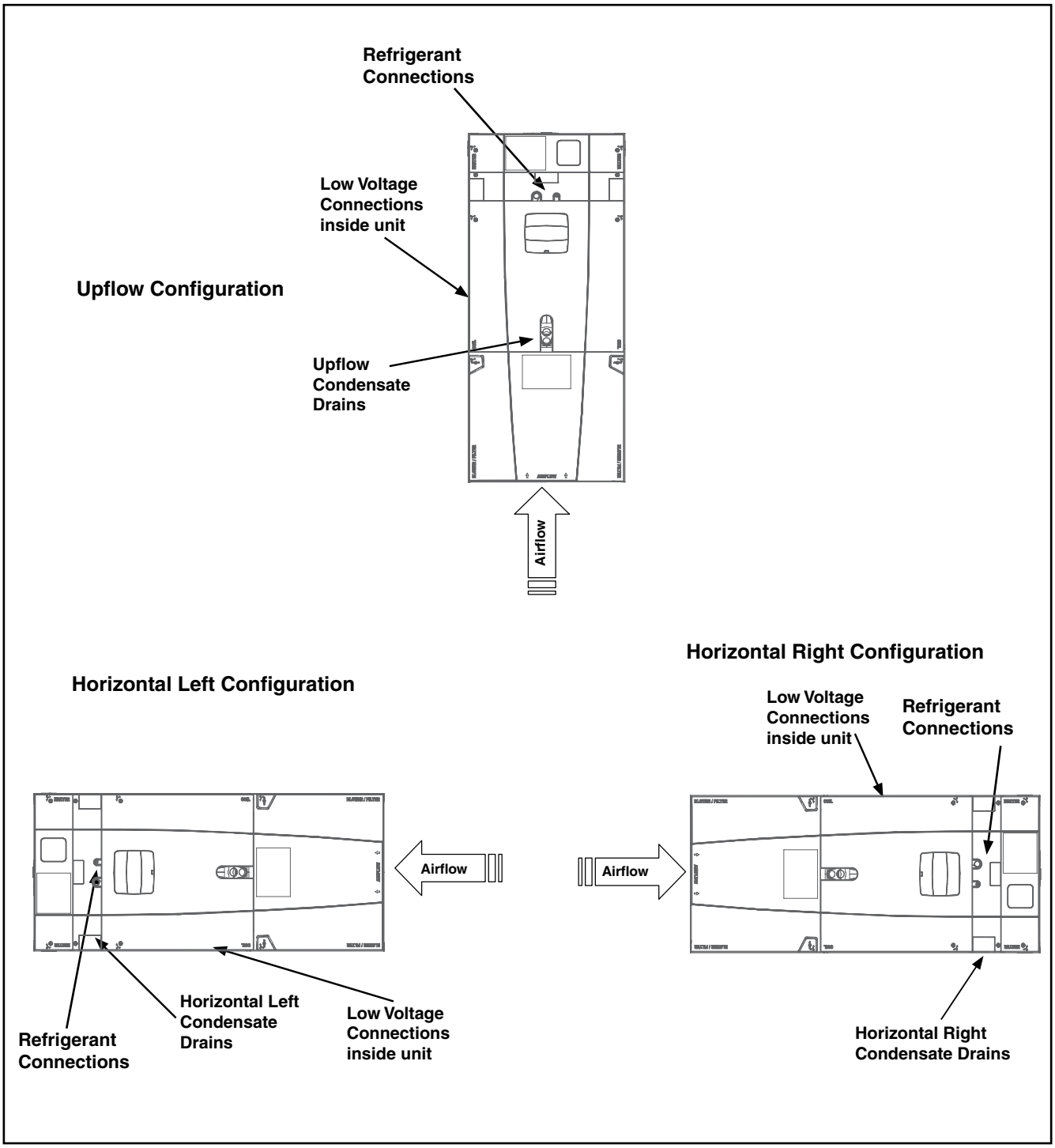
Field Wiring

GAF2, GAT2 AND GAM2 50 HZ AIR HANDLERS WITH SINGLE SPEED COOLING



Convertibility GAF / GAT / GAM

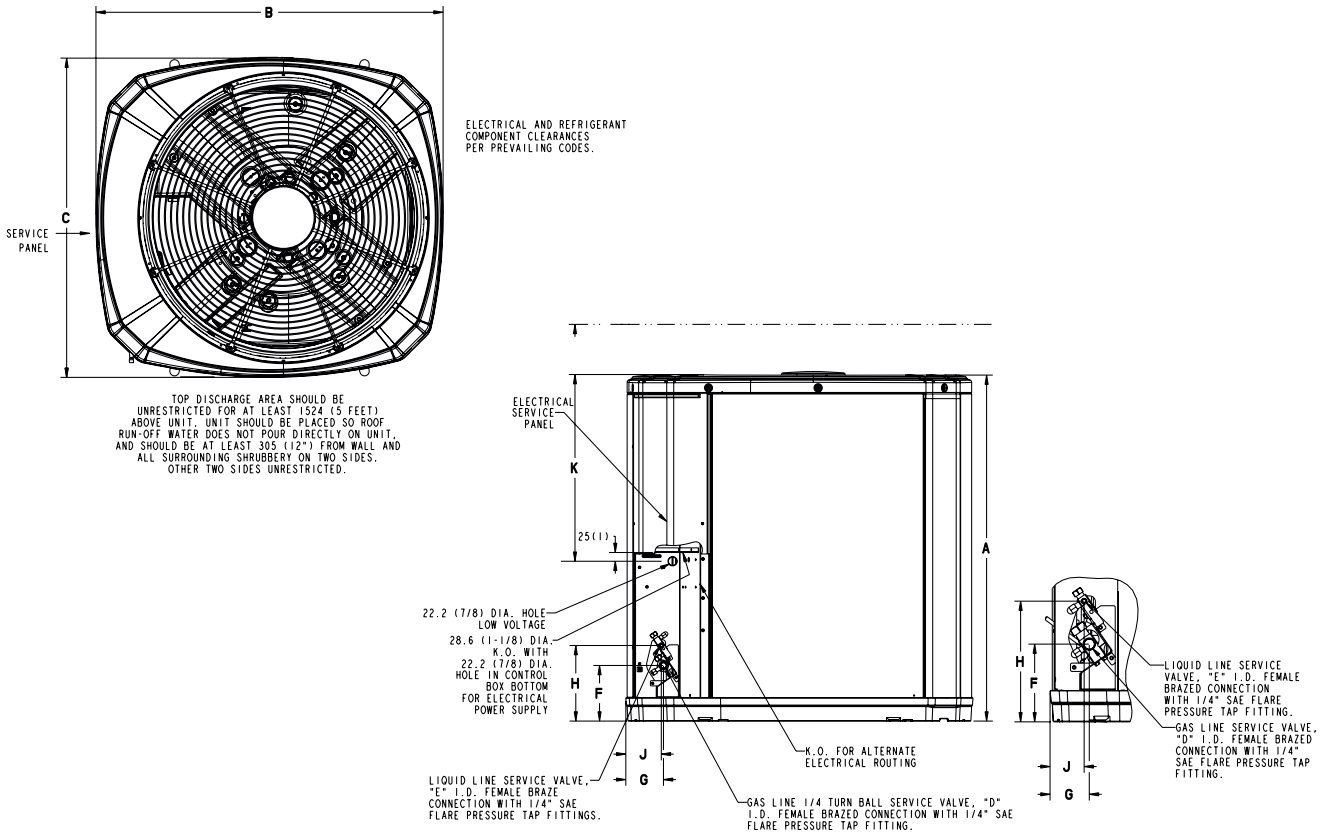
*** Note: No internal modifications required for any position. Badge rotation will keep brand in correct position**



Dimensions

4TTB3 Outline Drawing

Note: All dimensions are in MM (Inches).

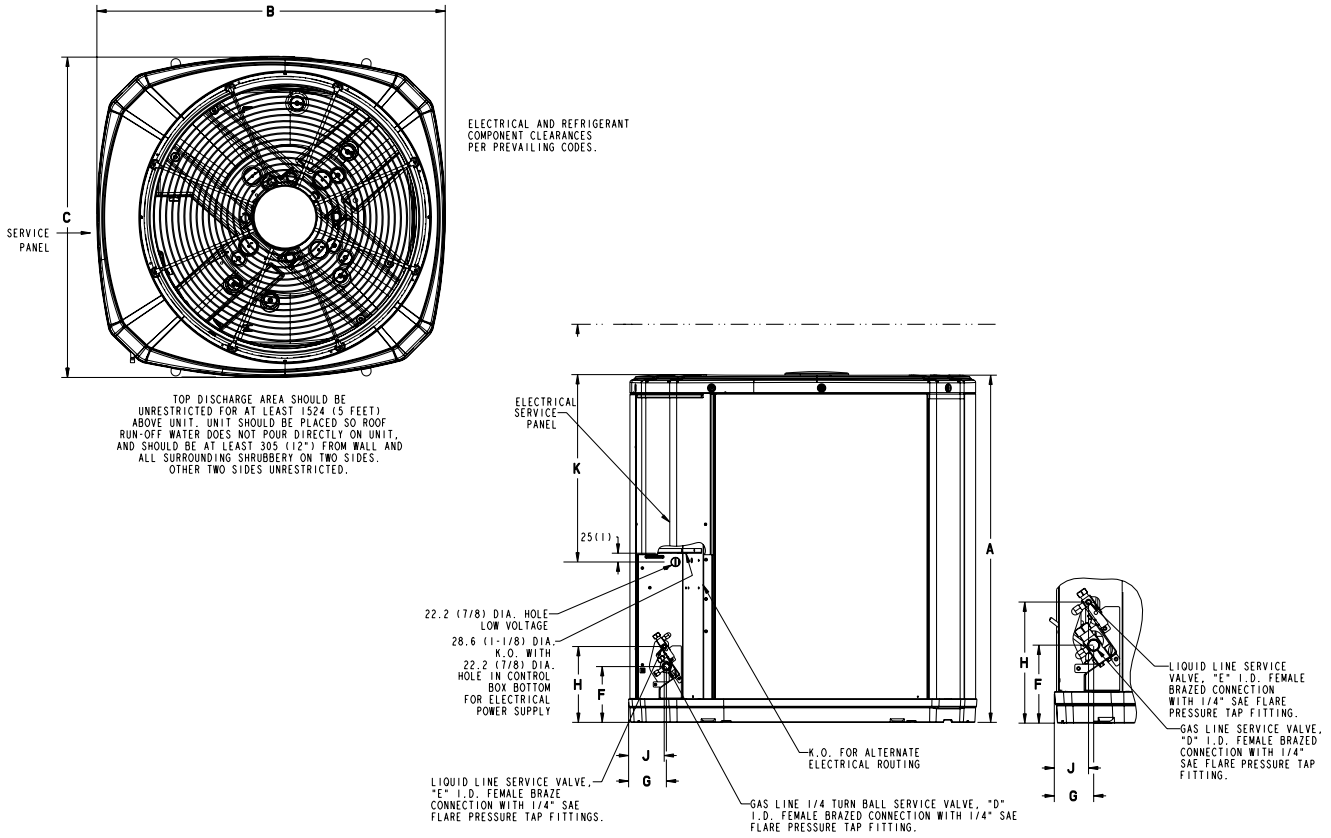


MODELS	BASE	A	B	C	D	E	F	G	H	J	K
4TTB3018A	3	730 (28-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	3/8	127 (5)	76 (3)	197 (7-3/4)	57 (2-1/4)	508 (20)
4TTB3024A	3	730 (28-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	3/8	127 (5)	76 (3)	197 (7-3/4)	57 (2-1/4)	508 (20)
4TTB3030A	4	943 (37-1/8)	946 (37-1/4)	870 (34-1/4)	3/4	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
4TTB3036A	4	943 (37-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)

From Dwg. D156010

Dimensions

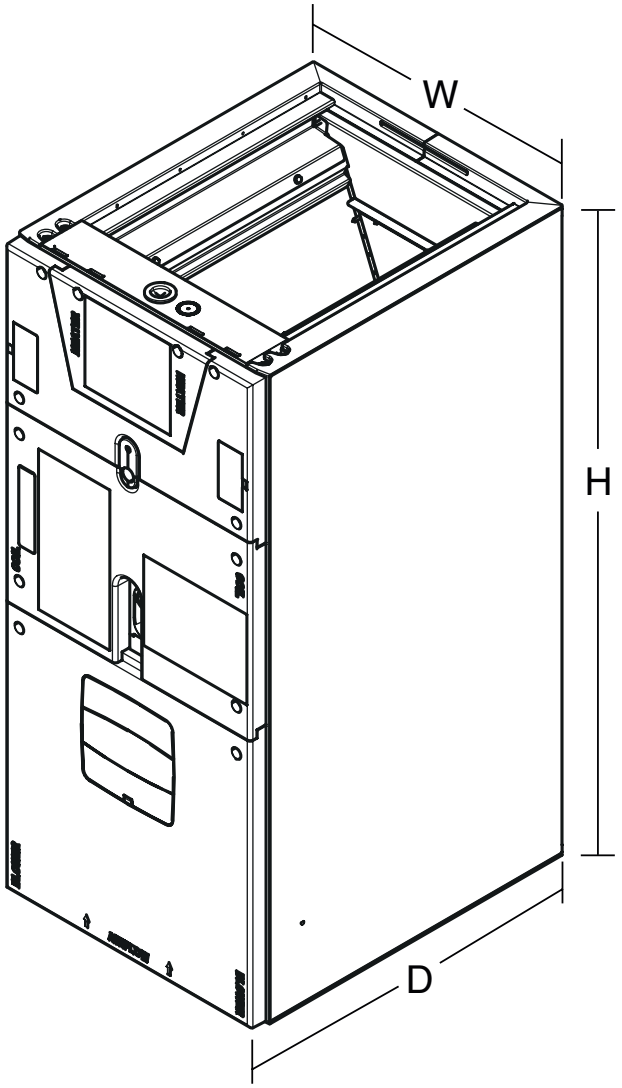
4TTA3 Outline Drawing
Note : All dimensions are in MM (Inches)



MODELS	BASE	A	B	C	D	E	F	G	H	J	K
4TTA3030A	4	943 (37-1/8)	946 (37-1/4)	870 (34-1/4)	3/4	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
4TTA3036A	4	943 (37-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
4TTA3042A	4	1045 (41-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
4TTA3048A	4	1147 (45-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
4TTA3060A	4	1147 (45-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	3/8	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)

Dimensions GAF

GAF2 AIR HANDLER DIMENSIONAL DATA

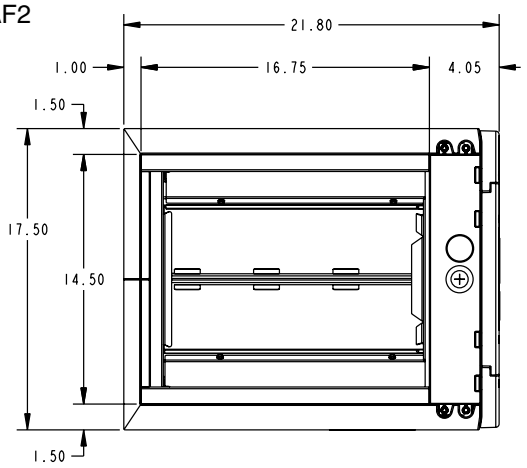


Model Number	H x W x D in.	Unit Net Weight lbs.
GAF2A0A36S3ASA	39 x 17.5 x 22	112

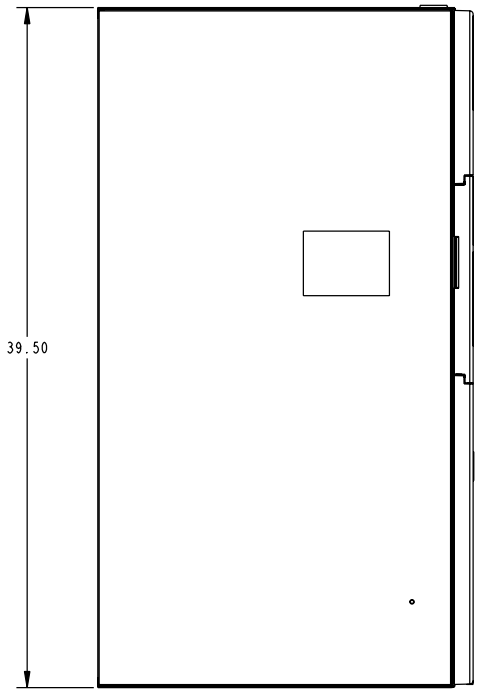
GAF2 AIR HANDLERS ARE ALL ONE PIECE CABINETS.

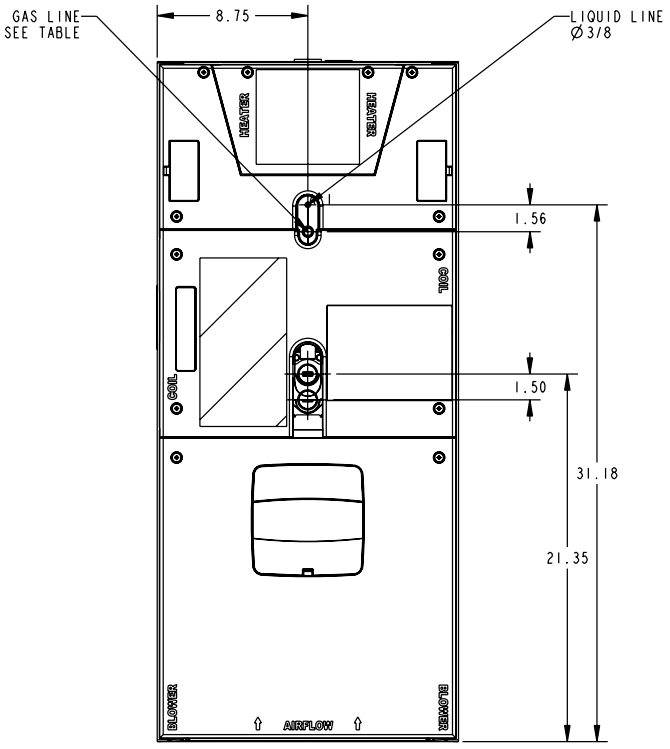
GAF2 OUTLINE DRAWING

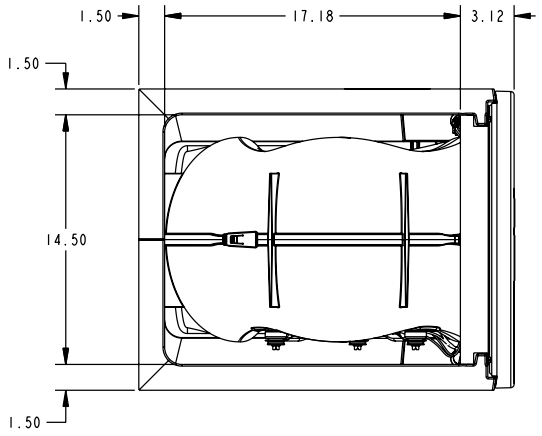
GAF2



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



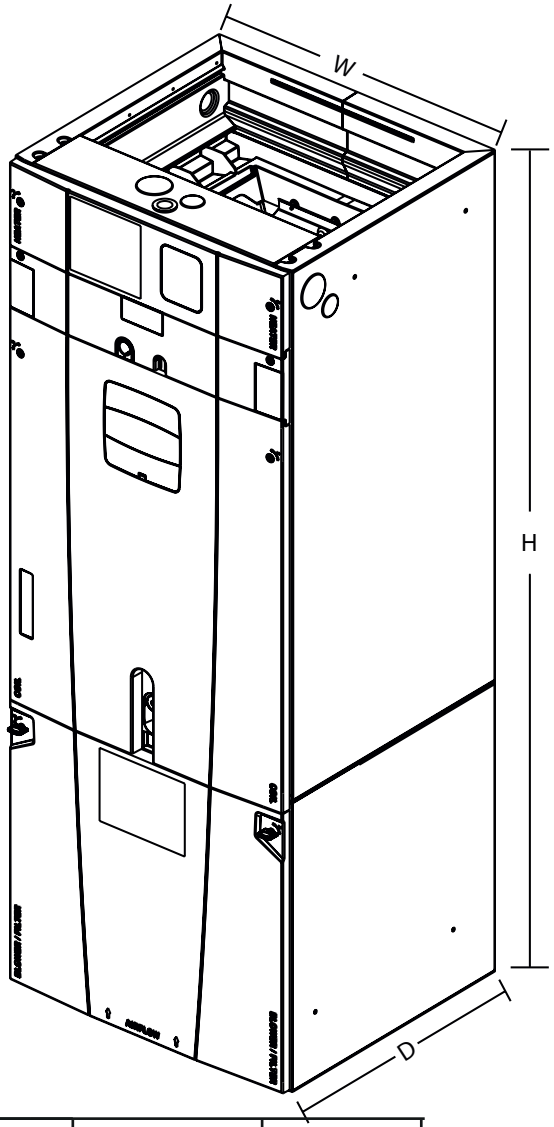




MODEL NO.	FLOW CONTROL	LIQUID LINE BRAZE	GAS LINE BRAZE
GAF2A0A36S*	TXV	3/8	3/4

Dimensions GAT/GAM

GAF2 AIR HANDLER DIMENSIONAL DATA

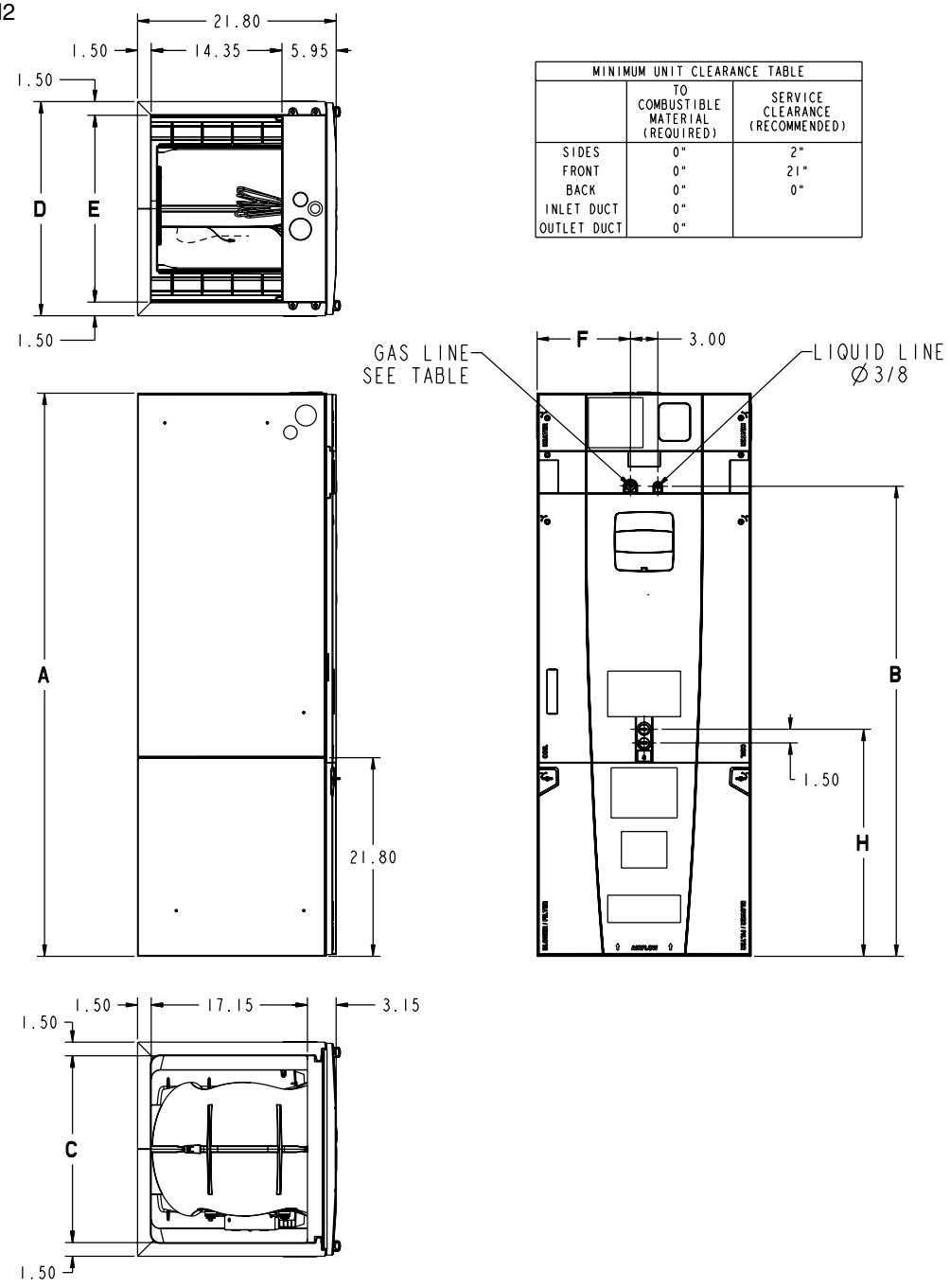


Model Number	H x D x W in.	Unit**Blower Compartment lbs. in.	Net Weight
GAT2A0C48S4ASA/GAM2A0C48S4ASBA	56.9 x 23.5 x 21.8	22	143
GAT2A0C60S5ASA/GAM2A0C60S5ASBA	61.7 x 23.5 x 21.8	22	159
** Subtract from total height to get Coil and Heater compartment height.			

GAT2/GAM2 AIR HANDLERS ARE ALL TWO PIECE CABINETS.

GAT2/GAM2 OUTLINE DRAWING

GAT2/GAM2



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

MODEL NO.	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE
GAT2A0C48S4ASA	56.9	46.7	20.5	23.5	20.5	10.3	24.2	TXV	7/8
GAT2A0C60S5ASA	61.7	51.5	20.5	23.5	20.5	10.3	27.0	TXV	7/8
GAM2A0C48S4ASBA	56.9	46.7	20.5	23.5	20.5	10.3	24.2	TXV	7/8
GAM2A0C60S5ASBA	61.7	51.5	20.5	23.5	20.5	10.3	27.0	TXV	7/8

Mechanical Specifications - 4TTB

General

The 4TTB3 is fully charged from the factory for up to 25 feet of piping. This unit is designed to operate at outdoor ambient temperatures as high as 125°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are **tested in accordance to AHRI and UL 1995.**

Casing

Unit casing is constructed of heavy gauge, G90 galvanized steel and painted with a weather-resistant powder paint on all louvers, panels, prepaint on all other panels. Corrosion and weatherproof CMBP-G30 DuraTuff™ base.

Refrigerant Controls

Refrigeration system controls include condenser fan and compressor contactor. High and low pressure controls are inherent to the compressor. Liquid line drier is shipped separately with the unit for field installation.

Compressor

The Scroll compressor features internal over temperature and pressure protection and total dipped hermetic motor and thermostatically controlled sump/ crankcase heater . Other features include: centrifugal oil pump and low vibration and noise.

Condenser Coil

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Optional Accessories:

Low Ambient Cooling

As manufactured, this unit has a cooling capability to 55°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°

Accessories

Thermostats — Cooling only and heat/cooling (manual and automatic changeover). Sub-base to match thermostat and locking thermostat cover.

Mechanical Specifications - 4TTA

General

The 4TTA3 is fully charged from the factory for up to 25 feet of piping. This unit is designed to operate at outdoor ambient temperatures as high as 125°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are **tested in accordance to AHRI and UL 1995.**

Casing

Unit casing is constructed of heavy gauge, G90 galvanized steel and painted with a weather-resistant powder paint on all louvers, panels, prepaint on all other panels. Corrosion and weatherproof CMBP-G30 DuraTuff™ base.

Refrigerant Controls

Refrigeration system controls include condenser fan and compressor contactor. High and low pressure controls are inherent to the compressor. Liquid line drier is shipped separately with the unit for field installation.

Compressor

The Scroll compressor features internal over temperature and pressure protection and total dipped hermetic motor and thermostatically controlled sump/ crankcase heater . Other features include: centrifugal oil pump and low vibration and noise.

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The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Optional Accessories:

Low Ambient Cooling

As manufactured, this unit has a cooling capability to 55°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30° F.

Accessories

Thermostats — Cooling only and heat/cooling (manual and automatic changeover). Sub-base to match thermostat and locking thermostat cover.

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SSA-PRC011A-E4 February 2014