Goodman®
Air Conditioning & Heating

AWUF Series
Wall-Mount Air Handler
1½ to 3 Tons



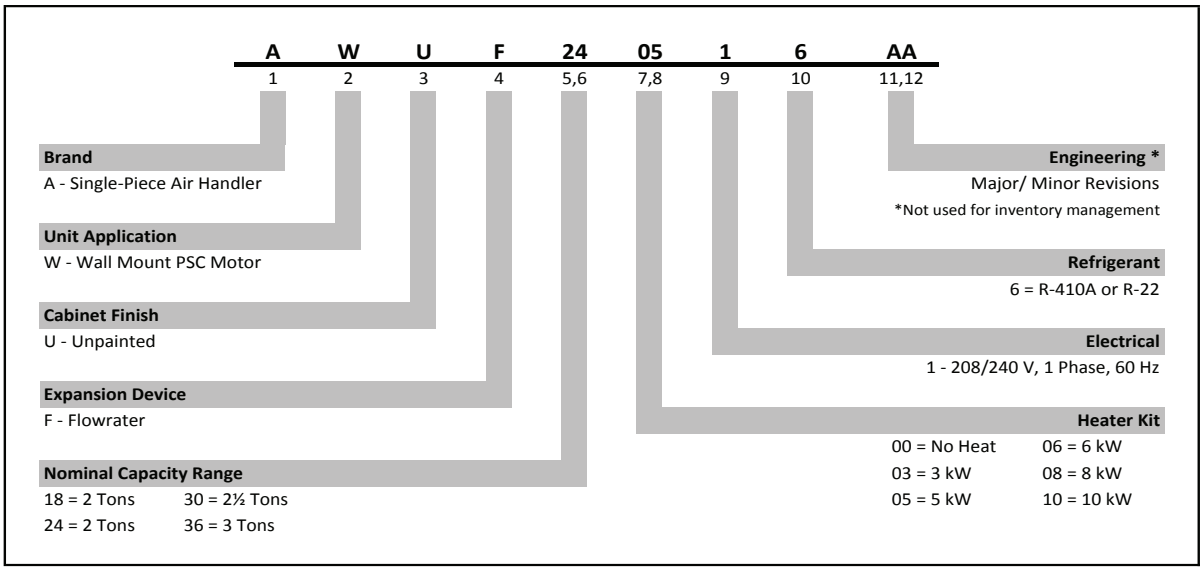
Standard Features
- Equipped with a Check Flowrater for cooling-only and heat pump operation
- Direct-drive, multi-speed motor allows air volume variation for heating/cooling
- Sequence-controlled, rust-resistant nickel chromium heating elements of 3, 5, 8, and 10 kW
- Factory-installed pull-type disconnect
- Aluminum tubing coils on all models
- AHRI Certified
- ETL Listed
- Thermoplastic drain pan with bottom primary and secondary drain connections
- Built-in filter rack (filter included)
- Large chassis (2½- and 3-ton units) – front return only
- Small chassis (1½- and 2-ton units) – front or bottom return
- Wall-hanging bracket provided

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10 YEAR PARTS LIMITED WARRANTY* R-410A REFRIGERANT

* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.

Nomenclature



Heating Capacity Correction Factor*

Supply Voltage	240	230	220	210	208
Correction Factor	1.00	.92	.84	.76	.74

* Multiply 240-volt capacity by correction factor

Specifications

	AWUF 180316B	AWUF 180516B	AWUF 180816B	AWUF 240316B	AWUF 240516B	AWUF 240816B	AWUF 241016B
Nominal Ratings							
Cooling (BTU/h)	18,000	18,000	18,000	24,000	24,000	24,000	24,000
Electric Heat (kW)	3	5	8	3	5	8	10
Blower							
Diameter	9	9	9	10	10	10	10
Width	6	6	6	6	6	6	6
Coil Connections							
Liquid	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"
Suction	⅝"	⅝"	⅝"	⅝"	⅝"	⅝"	⅝"
Coil Drain Connection (FPT)	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Electrical Data							
Voltage	240/208	240/208	240/208	240/208	240/208	240/208	240/208
Minimum Circuit Ampacity (240V)	17.3	26.6	39.6	17.3	26.6	39.6	52.7
Minimum Circuit Ampacity (208V)	15.1	23.3	34.6	15.1	23.3	34.6	45.9
Max. Overcurrent Device (240V)	20	30	40	20	30	40	60
Max. Overcurrent Device (208V)	20	25	35	20	25	35	50
Minimum VAC	197	197	197	197	197	197	197
Maximum VAC	253	253	253	253	253	253	253
Blower Motor							
Full Load Amps (FLA)	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Horsepower (HP)	1/5	1/5	1/5	1/5	1/5	1/5	1/5
Ship Weight (lbs)	84	84	84	84	84	84	84

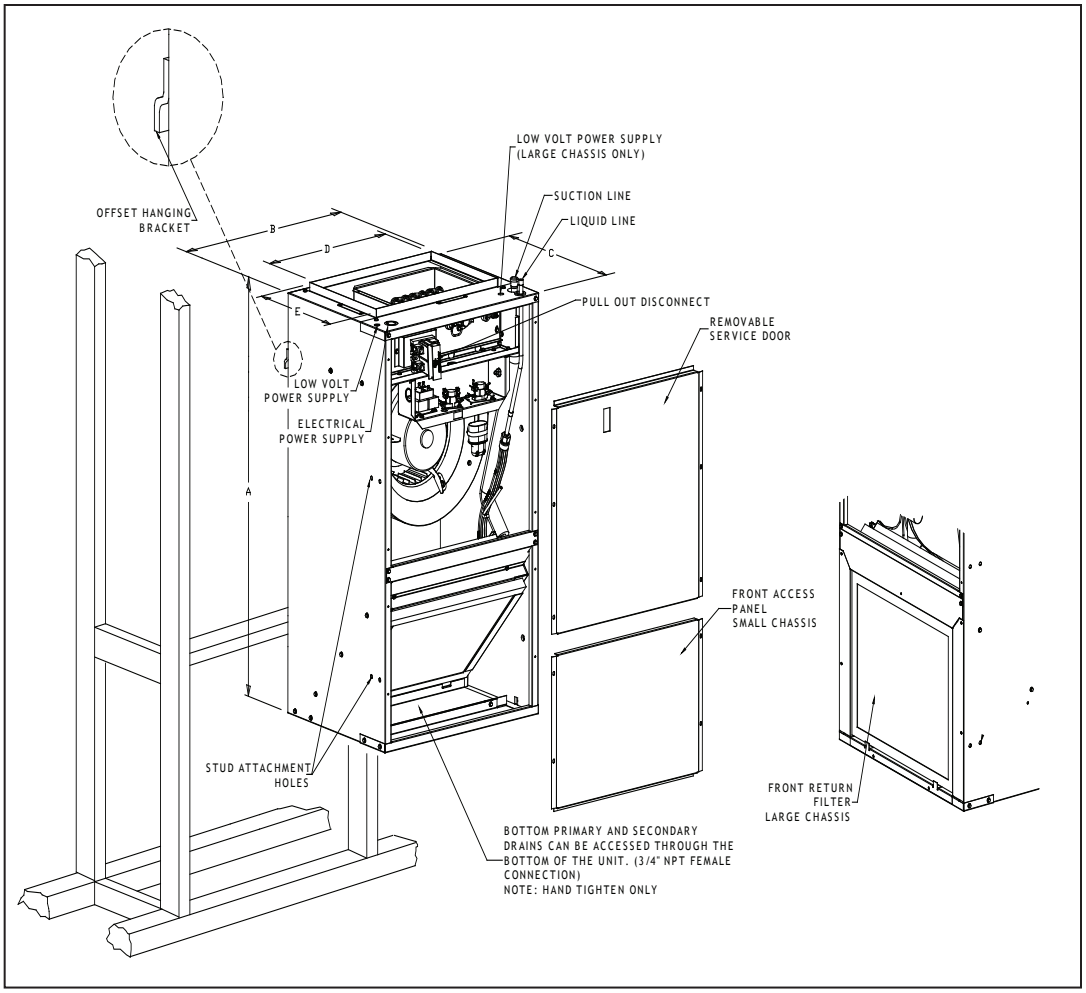
Specifications (cont.)

	AWUF 300316B	AWUF 300516B	AWUF 300816B	AWUF 301016B	AWUF 310516A*	AWUF 310816A*	AWUF 321016A*
Nominal Ratings							
Cooling (BTU/h)	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Electric Heat (kW)	3	5	8	10	5	8	10
Blower							
Diameter	9	9	9	9	10	10	10
Width	8	8	8	8	8	8	8
Coil Connections							
Liquid	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"
Suction	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Coil Drain Connection (FPT)	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Electrical Data							
Voltage	240/208	240/208	240/208	240/208	240/208	240/208	240/208
Minimum Circuit Ampacity (240V)	17.6	27.0	40.0	53.0	30.1	43.1	56.2
Minimum Circuit Ampacity (208V)	15.5	23.6	34.9	46.2	26.8	38.1	49.4
Max. Overcurrent Device (240V)	20	30	40	60	35	45	60
Max. Overcurrent Device (208V)	20	25	35	50	30	40	50
Minimum VAC	197	197	197	197	197	197	197
Maximum VAC	253	253	253	253	253	253	253
Blower Motor							
Full Load Amps (FLA)	1.58	1.58	1.58	1.58	4.1	4.1	4.1
Horsepower (HP)	1/3	1/3	1/3	1/3	1/2	1/2	1/2
Ship Weight (lbs)	93	109	109	109	109	109	109

Specifications (cont.)

	AWUF 360516B	AWUF 360816B	AWUF 361016B	AWUF 370516B	AWUF 370816B	AWUF 371016B
Nominal Ratings						
Cooling (BTU/h)	36,000	36,000	36,000	36,000	36,000	36,000
Electric Heat (kW)	5	8	10	5	8	10
Blower						
Diameter	9	9	9	10	10	10
Width	8	8	8	8	8	8
Coil Connections						
Liquid	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"
Suction	¾"	¾"	¾"	¾"	¾"	¾"
Coil Drain Connection (FPT)	¾"	¾"	¾"	¾"	¾"	¾"
Electrical Data						
Voltage	240/208	240/208	240/208	240/208	240/208	240/208
Minimum Circuit Ampacity (240V)	27.0	40.0	53.0	30.1	43.1	56.2
Minimum Circuit Ampacity (208V)	23.6	34.9	46.2	26.8	38.1	49.4
Max. Overcurrent Device (240V)	30	40	60	35	45	60
Max. Overcurrent Device (208V)	25	35	50	30	40	50
Minimum VAC	197	197	197	197	197	197
Maximum VAC	253	253	253	253	253	253
Blower Motor						
Full Load Amps (FLA)	1.58	1.58	1.58	4.1	4.1	4.1
Horsepower (HP)	1/3	1/3	1/3	1/2	1/2	1/2
Ship Weight (lbs)	96	96	96	96	96	96

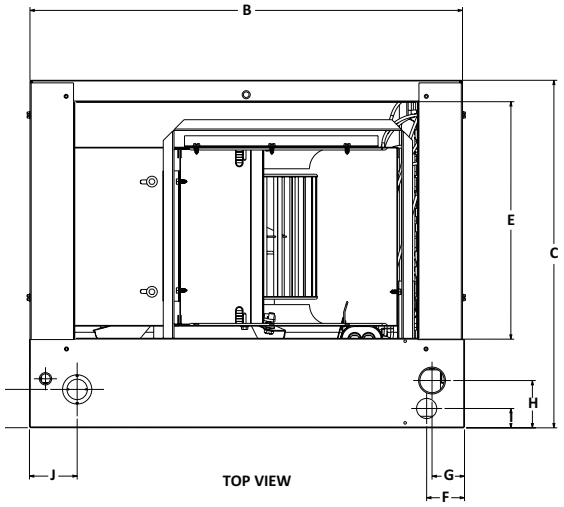
DIMENSIONS

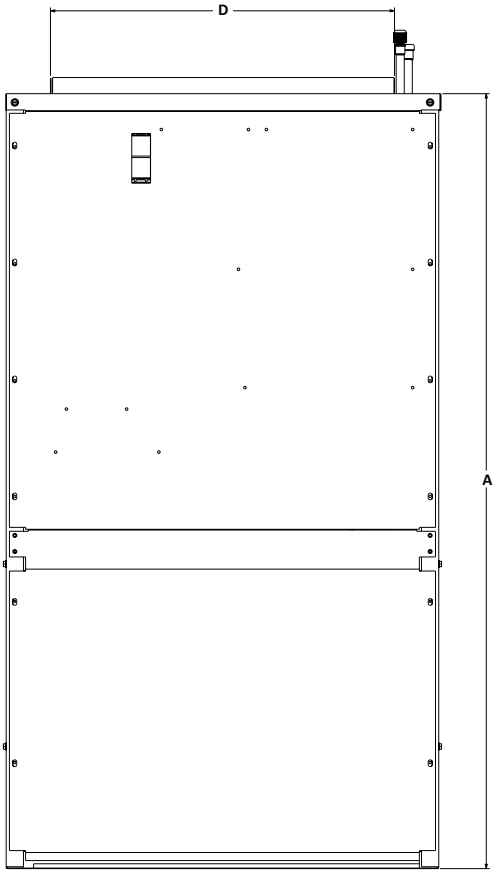


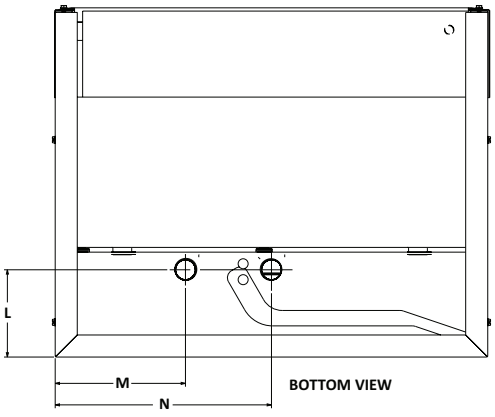
SMALL CHASSIS (AWUF18-24)	
A	36”
B	20 3/16”
C	16⅛”
D	16”
E	11”
Filter	14” x 18” x 1”

LARGE CHASSIS (AWUF30-37)	
A	36”
B	24”
C	21”
D	19⅞”
E	15⅞”
Filter (30/36)	16” x 20” x 1”
Filter (31/32/37)	18” x 20” x 1”

DIMENSIONS





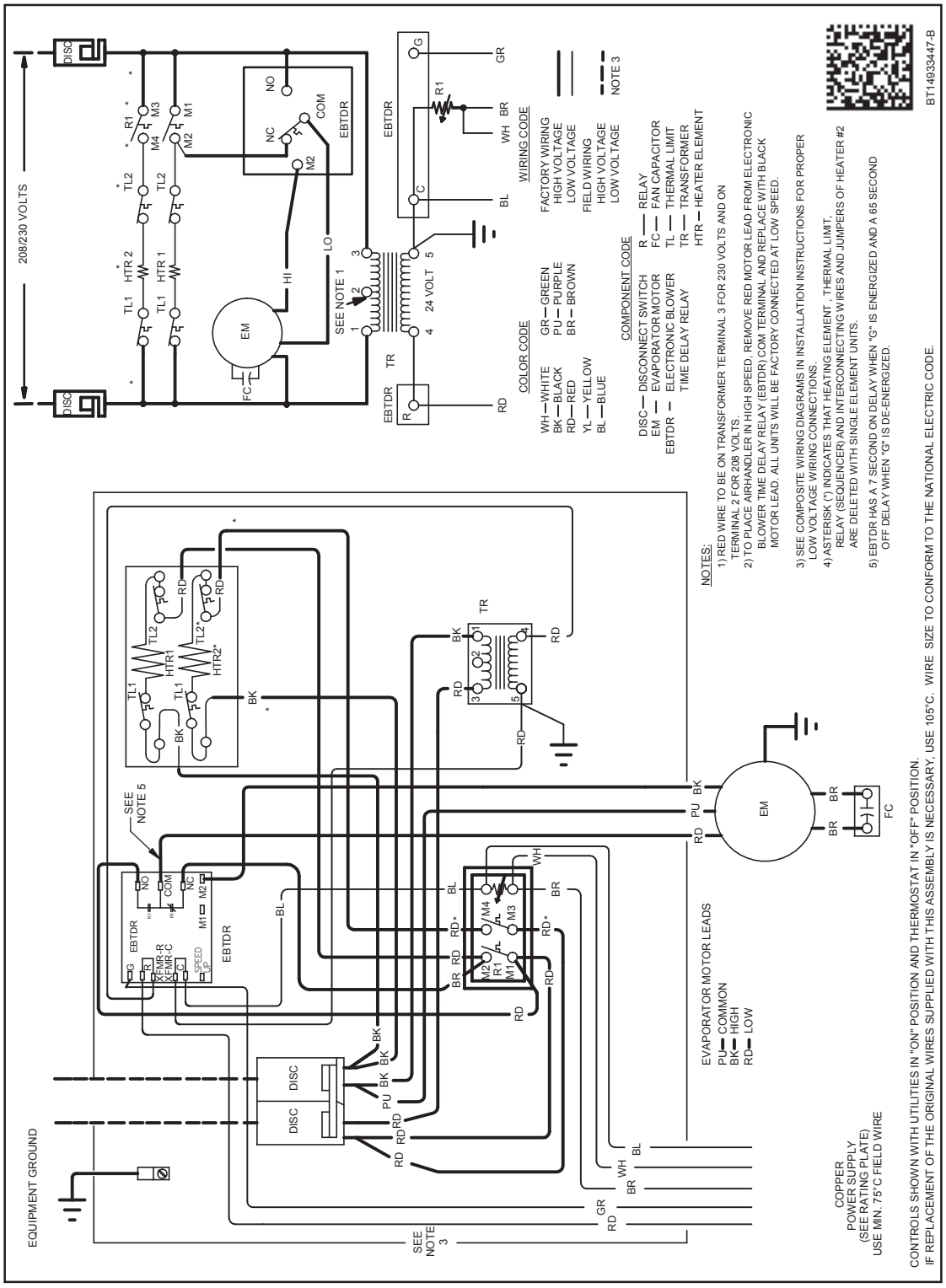


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
AWUF 18-24	36"	20¼"	16⅛"	16"	11"	1¾"	1½"	2¼"	⅞"	1⅛"	1¾"	4"	6"	10"
AWUF 30-37	36"	24"	21"	19⅞"	16"	4⅛"	1½"	1¾"	2"	1¼"	2⅜"	4"	8"	12"

Airlfow Data

Model	Motor Speed	CFM Delivered Against External Static Pressure				
		0.1”	0.2”	0.3”	0.4”	0.5”
AWUF18XX16B*	High	755	715	670	615	545
	Low	740	700	655	595	535
AWUF24XX16B*	High	900	870	835	795	760
	Low	865	835	800	765	725
AWUF30XX16B*	High	1255	1120	1100	1020	950
	Low	1115	1010	990	900	820
AWUF310516XX	T5	875	865	830	805	765
	T4	1005	975	945	920	890
	T3	840	795	785	745	700
	T2	645	615	550	500	445
	T1	645	615	550	500	445
AWUF310816XX AWUF321016XX	T5	1090	1065	1040	1015	985
	T4	1005	975	945	920	890
	T3	840	795	785	745	700
	T2	645	615	550	500	445
	T1	645	615	550	500	445
AWUF36XX16B*	High	1215	1145	1070	985	890
	Low	1120	1065	1000	915	820
AWUF37XX16B*	T5	1385	1205	1130	1045	950
	T4	1235	1180	1115	1040	955
	T3	1165	1120	1075	1025	945
	T2	1050	1010	970	930	860
	T1	1050	1010	970	930	860

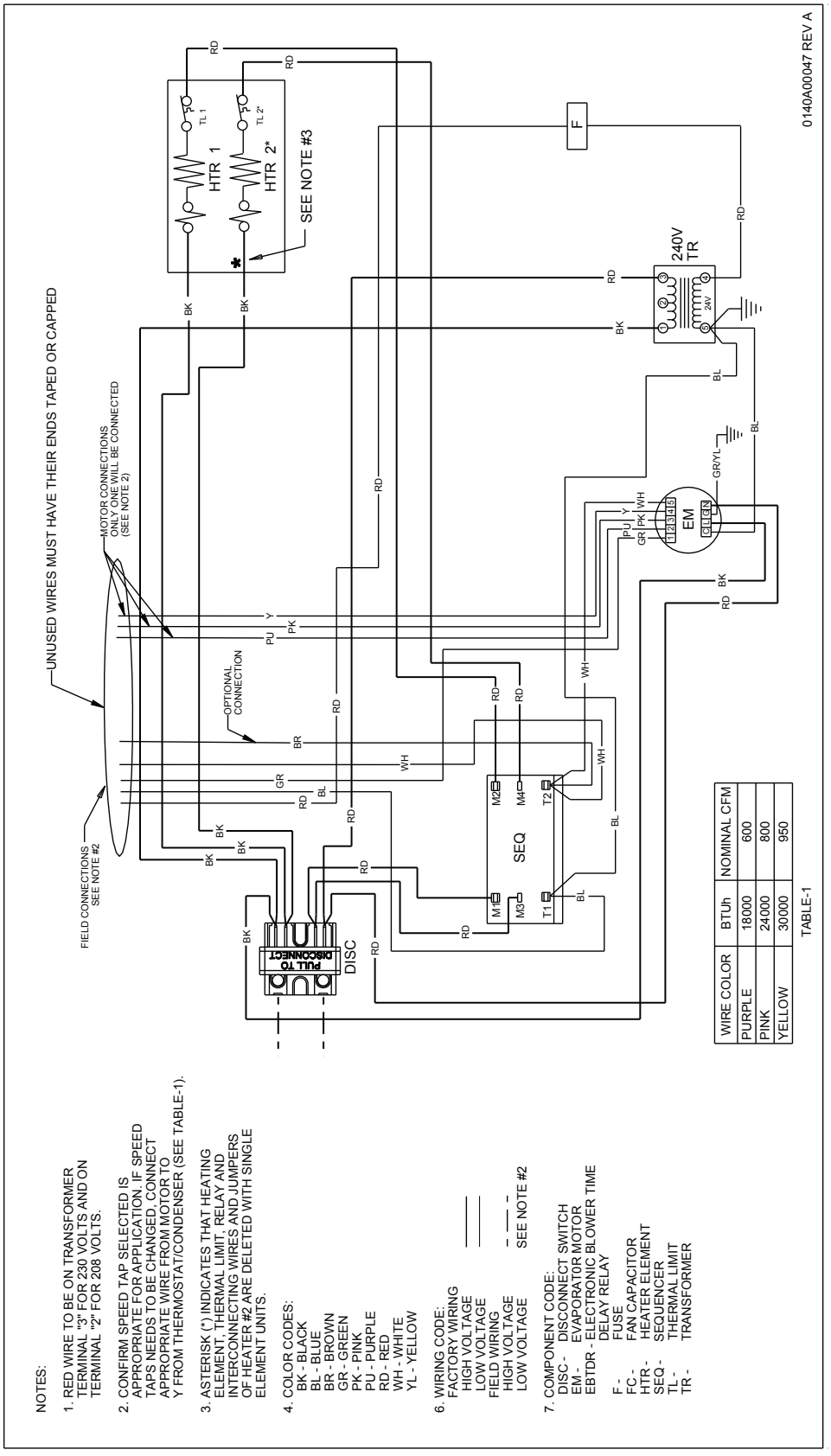
AWUF18/24/30/36 WIRING DIAGRAM



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING **High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

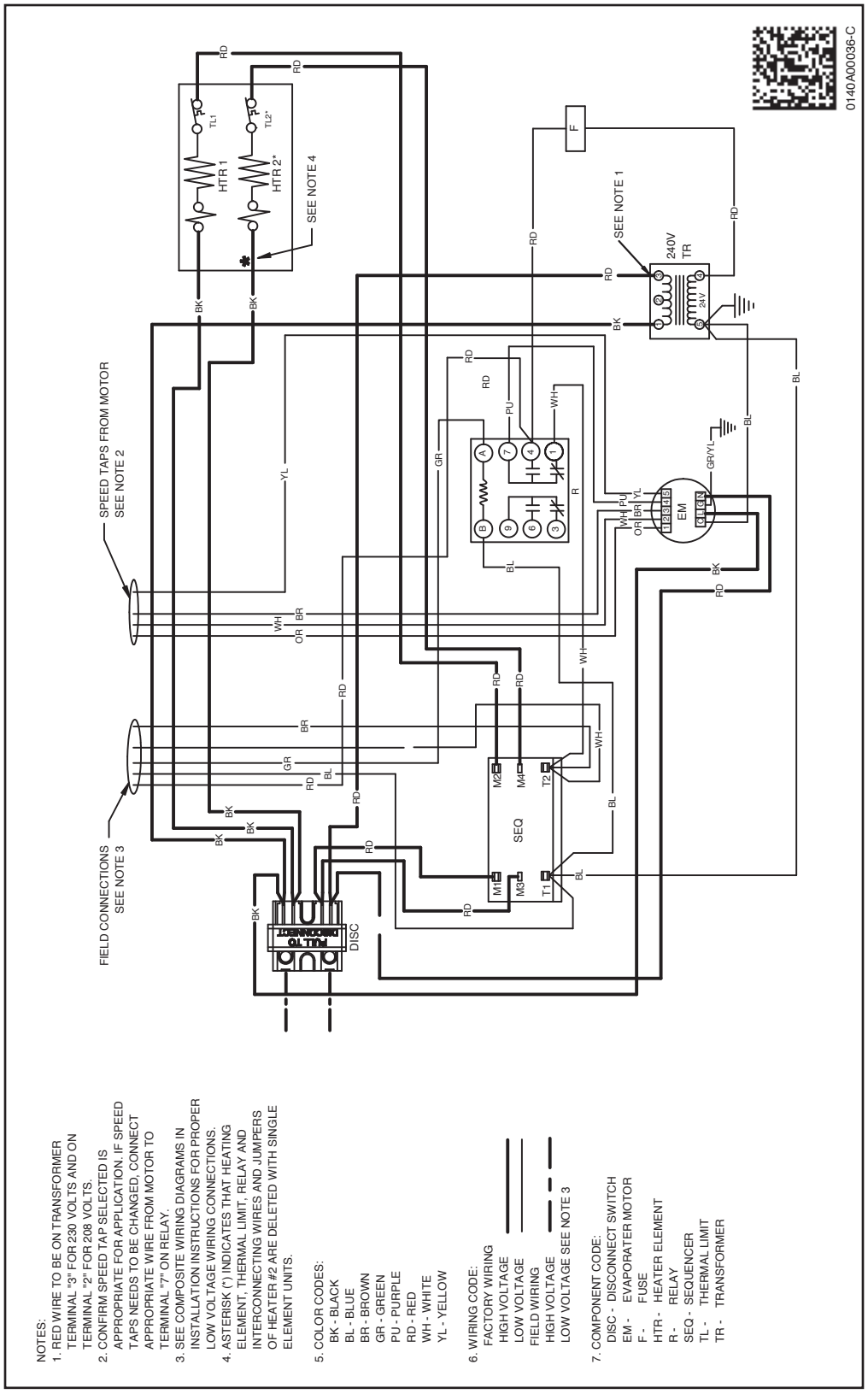
AWUF31/32 WIRING DIAGRAM



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING **High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

AWUF37 WIRING DIAGRAM



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Accessories

Model	Description
AWUF18	Wall access doors – Wad-1 fits
AWUF24	Wall access doors – Wad-1 fits
AWUF30 - AWUF37	Wall access doors – Wad-1 fits

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