



AWST SERIES

WALL-MOUNT AIR HANDLER 1½ TO 3 TONS



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R32

Product Features

- AWST Models: Equipped with a fully adjustable TXV
- Direct-drive, multi-speed motors allows air volume variation for heating/cooling
- Sequence-controlled, rust-resistant nickel chromium heating elements of 3, 5, 8, and 10 kW
- Aluminum tubing coils on all models
- Cabinet air leakage less than 2.0% at 1.0 inch H₂O when tested in accordance with ASHRAE standard 193
- UL 60335 2-40 Compliant
- Factory installed R-32 sensor designed for the lifespan of the coil.
- Cabinet air leakage less than 1.4% at 0.5 inch H₂O when tested in accordance with ASHRAE standard 193
- Factory-installed pull-type disconnect
- 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
- AHRI Certified; ETL Listed



* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Québec. The duration of warranty coverage in Texas and Florida differs in some cases.

	A	W	S	T	18	S	U	1	3	00	B	A	
	1	2	3	4	5,6	7	8	9	10	11,12	13	14	
Product													Minor Rev
A Corporate Air Handler													Major Revision
Unit Application													Factory Installed Electric Heat KW
W Wall Mount													3 = 3kw
Motor													5 = 5kw
S MS-ECM													8 = 8kw
Expansion Device													10 = 10kw
F Flowrator													Refrigerant
T Thermal Expansion Valve													3 - R32
Nominal Capacity Range													Electrical
18 = 1.5 Tons													1 208/230 V, 1 Phase, 60 Hz
24 = 2.0 Tons													Cabinet
30 = 2.5 Tons													U - Unpainted
36 = 3.0 Tons													P - Painted
													Cabinet Width
													AW* Series
													S = 20.2"
													L = 24.0"

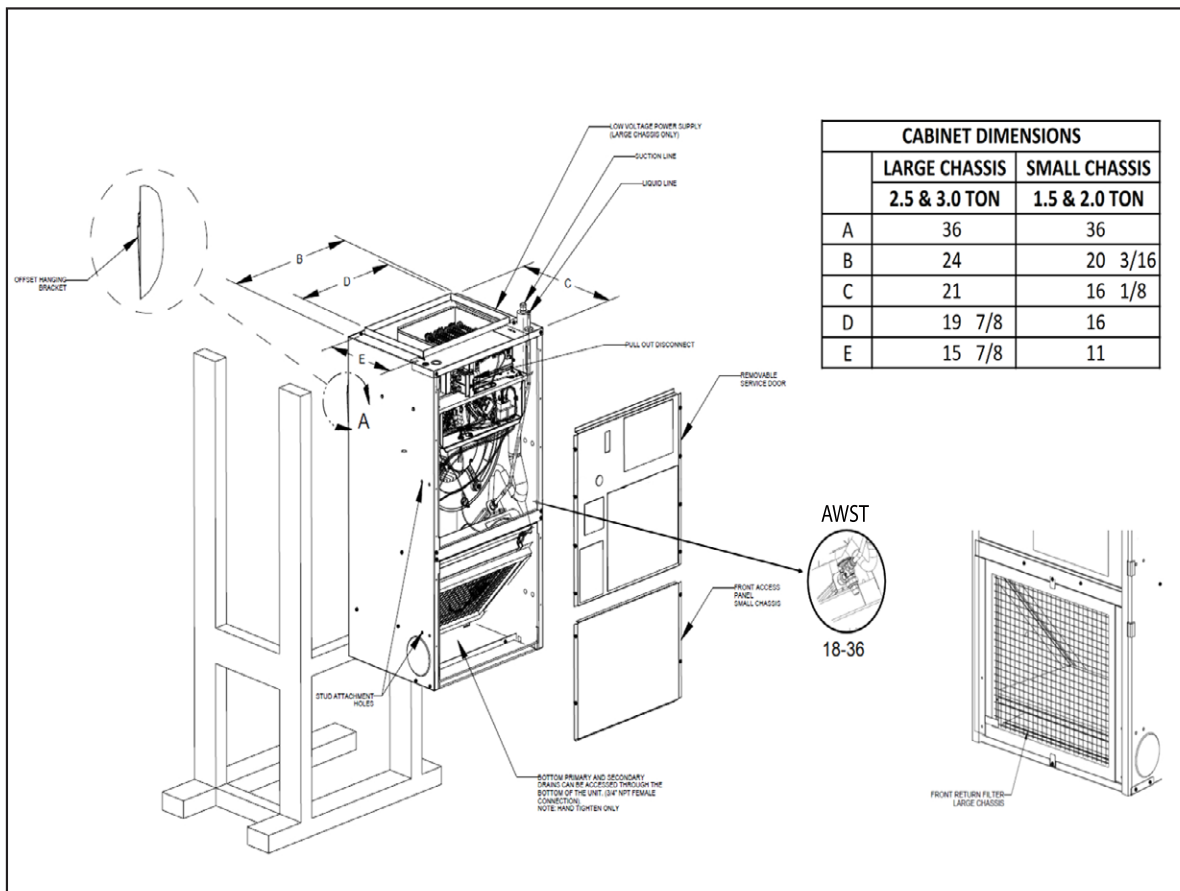
ACCESSORIES

MODEL	ITEM #	DESCRIPTION
AWST 18-24	Wad-1	Wall access door
AWST 30-36	Wad-2	Wall access door

	AWST18 SU1303 AA	AWST18 SU1305 AA	AWST18 SU1308 AA	AWST24 SU1305 AA	AWST24 SU1308 AA	AWST24 SU1310 AA
NOMINAL RATINGS						
Cooling (BTU/h)	18000	18000	18000	24000	24000	24000
Electric Heat (kW)	3	5	8	5	8	10
BLOWER						
Diameter	10	10	10	10	10	10
Width	6	6	6	6	6	6
COIL CONNECTIONS						
Liquid	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Coil Drain Connection (FPT)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
ELECTRICAL DATA						
Voltage	208/230	208/230	208/230	208/230	208/230	208/230
Minimum Circuit Ampacity	16.8/18.9	24.9/28.3	36.2/41.3	24.9/28.3	36.2/41.3	46.6/53.3
Max. Overcurrent Device (Amps)	20/20	25/30	40/45	25/30	40/45	50/60
Minimum VAC	197	197	197	197	197	197
Maximum VAC	253	253	253	253	253	253
BLOWER MOTOR						
Full Load Amps (FLA)	2.6	2.6	2.6	2.6	2.6	2.6
Horsepower (HP)	1/3	1/3	1/3	1/3	1/3	1/3
SHIP WEIGHT (LBS)	84	84	84	84	84	84

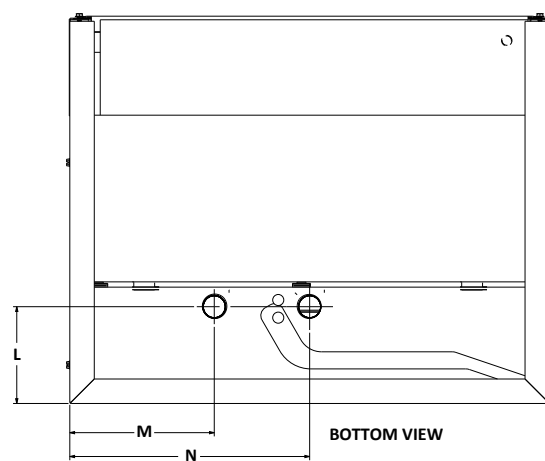
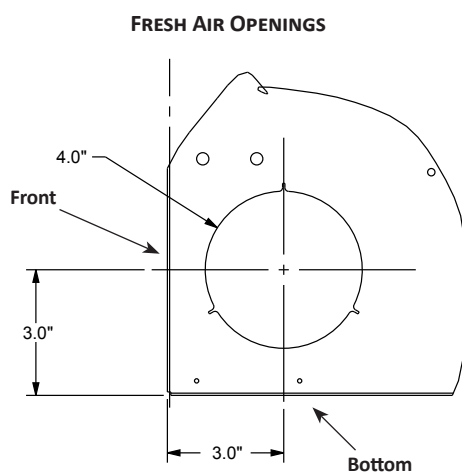
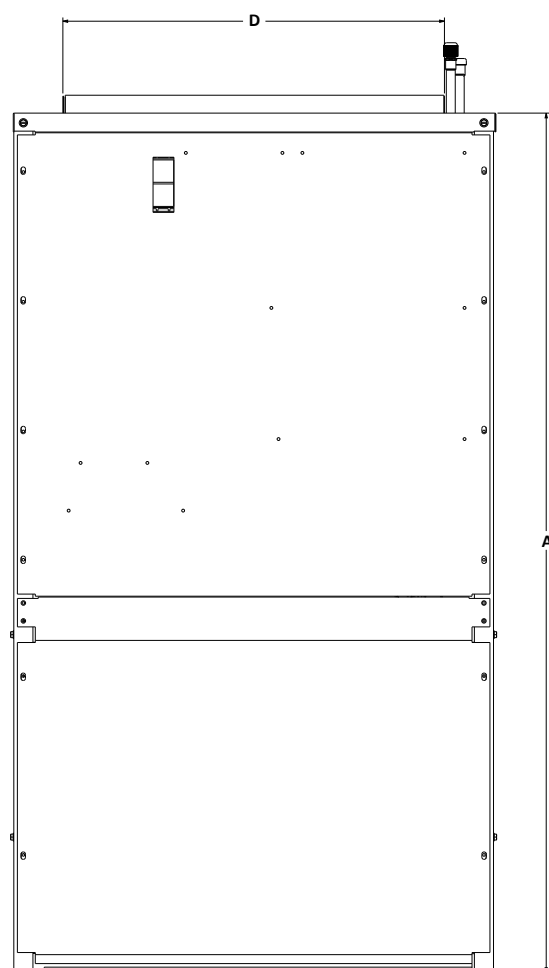
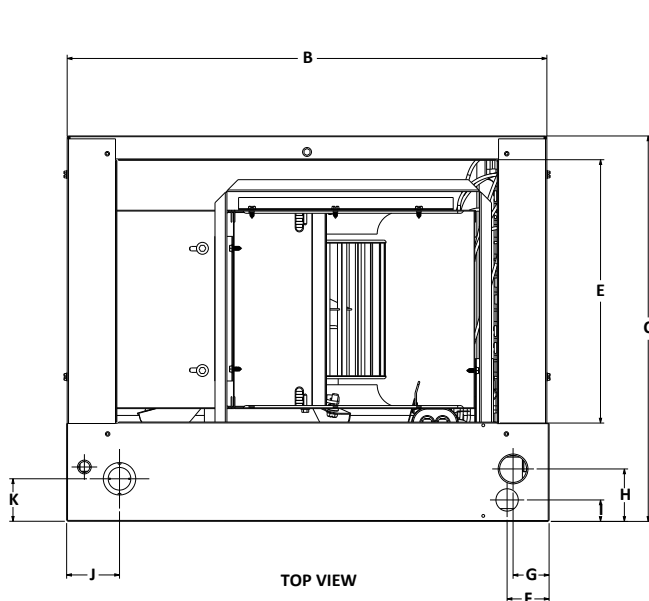
	AWST30 LU1305 AA	AWST30 LU1308 AA	AWST30 LU1310 AA	AWST36 LU1305 AA	AWST36 LU1308 AA	AWST36 LU1310 AA
NOMINAL RATINGS						
Cooling (BTU/h)	30000	30000	30000	36000	36000	36000
Electric Heat (kW)	5	8	10	5	8	10
BLOWER						
Diameter	10	10	10	10	10	10
Width	8	8	8	8	8	8
COIL CONNECTIONS						
Liquid	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Coil Drain Connection (FPT)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
ELECTRICAL DATA						
Voltage	208/230	208/230	208/230	208/230	208/230	208/230
Minimum Circuit Ampacity	26.4/29.8	37.7/42.8	48.1/54.8	26.4/29.8	37.7/42.8	48.1/54.8
Max. Overcurrent Device (Amps)	30/30	40/45	50/60	30/30	40/45	50/60
Minimum VAC	197	197	197	197	197	197
Maximum VAC	253	253	253	253	253	253
BLOWER MOTOR						
Full Load Amps (FLA)	3.8	3.8	3.8	3.8	3.8	3.8
Horsepower (HP)	1/2	1/2	1/2	1/2	1/2	1/2
SHIP WEIGHT (LBS)	109	109	109	109	109	109

Note - Once installed, top of unit must be level or slightly tilted back to ensure proper condensate drainage.



SMALL CHASSIS (AWST 18-24)	
A	36"
B	20 ³ / ₁₆ "
C	16 ¹ / ₈ "
D	16"
E	11"
Filter	14" x 18" x 1"

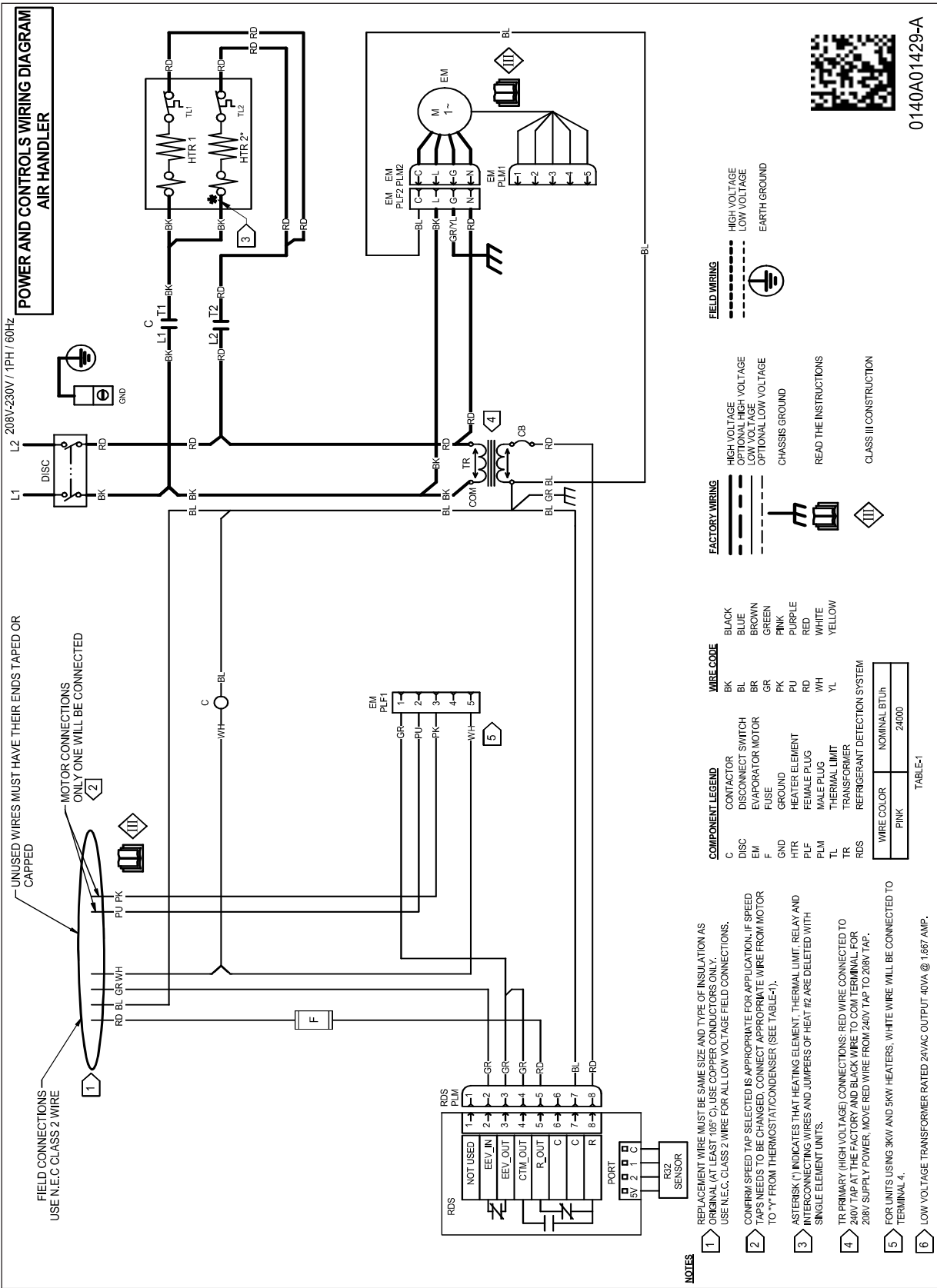
LARGE CHASSIS (AWST 30-36)	
A	36"
B	24"
C	21"
D	19 ⁷ / ₈ "
E	15 ⁷ / ₈ "
Filter (30, 36, 31, 32, 37)	18" x 20" x 1"



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
AWST 18-24	36"	20 $\frac{1}{4}$ "	16 $\frac{1}{8}$ "	16"	11"	1 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "	2 $\frac{1}{4}$ "	$\frac{7}{8}$ "	1 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	4"	6"	10"
AWST 30-36	36"	24"	21"	19 $\frac{1}{8}$ "	16"	4 $\frac{1}{8}$ "	1 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	2"	1 $\frac{1}{4}$ "	2 $\frac{3}{8}$ "	4"	8"	12"

MODEL	SPEED TAP	CFM DELIVERED AGAINST EXTERNAL STATIC PRESSURE				
		0.1"	0.2"	0.3"	0.4"	0.5"
AWST18SU13** AA	T1	630	602	576	550	521
	T2	630	602	576	550	521
	T3	637	609	586	557	531
	T4	630	602	576	550	521
	T5	846	824	800	777	756
AWST24SU13** AA	T1	630	602	576	550	521
	T2	630	602	576	550	521
	T3	784	763	742	728	705
	T4	630	602	576	550	521
	T5	846	823	800	777	756
AWST30LU13** AA	T1	711	660	575	529	438
	T2	934	890	850	803	725
	T3	1094	1047	1012	977	941
	T4	973	928	890	851	777
	T5	1180	1139	1102	1069	1036
AWST36LU13** AA	T1	1114	1072	1031	982	924
	T2	1114	1072	1031	982	924
	T3	1225	1191	1152	1112	1071
	T4	1287	1255	1219	1183	1146
	T5	1360	1329	1299	1264	1230

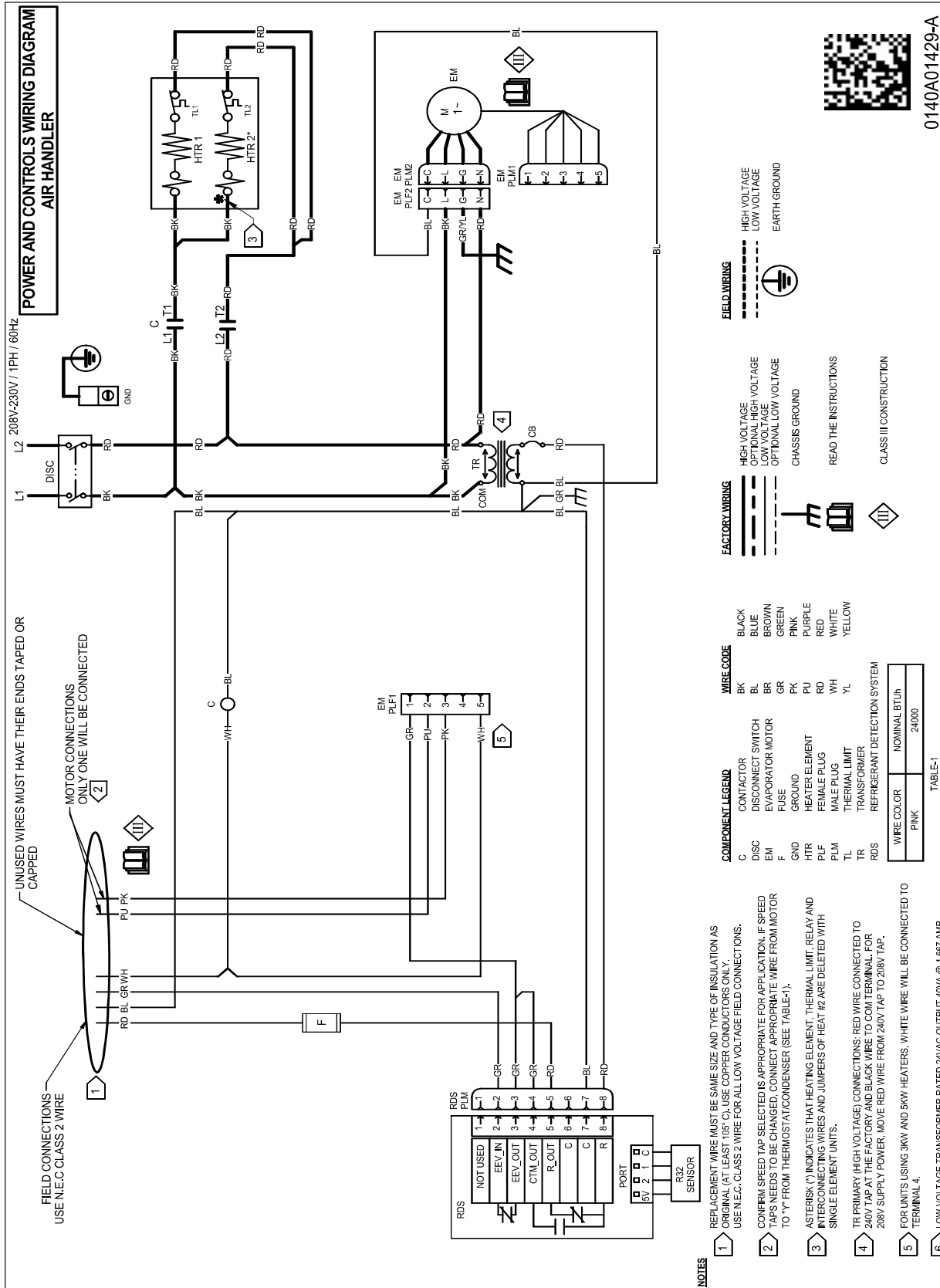
Note: Airflow data indicated is at 230 V with no filter in place.

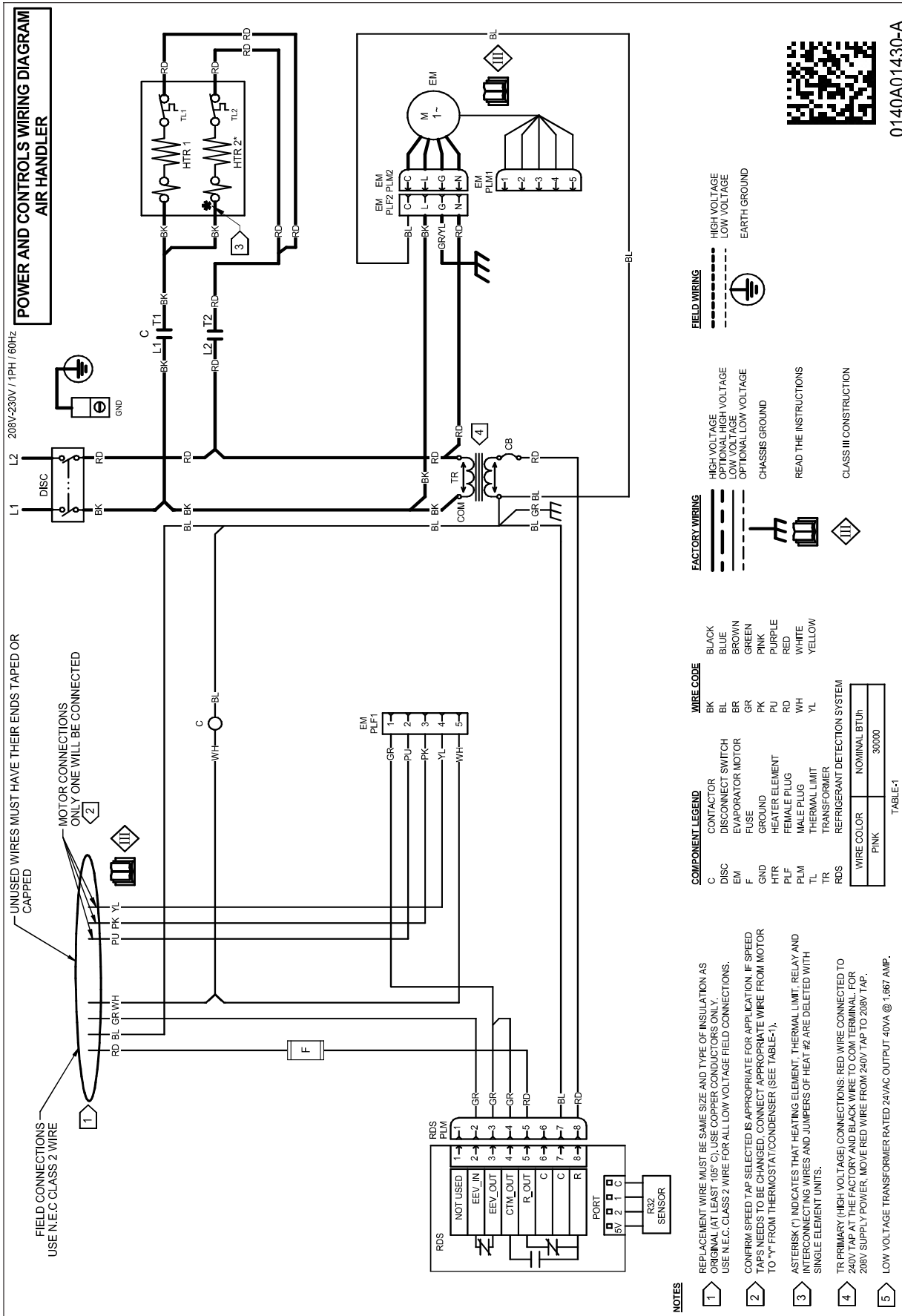


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

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.

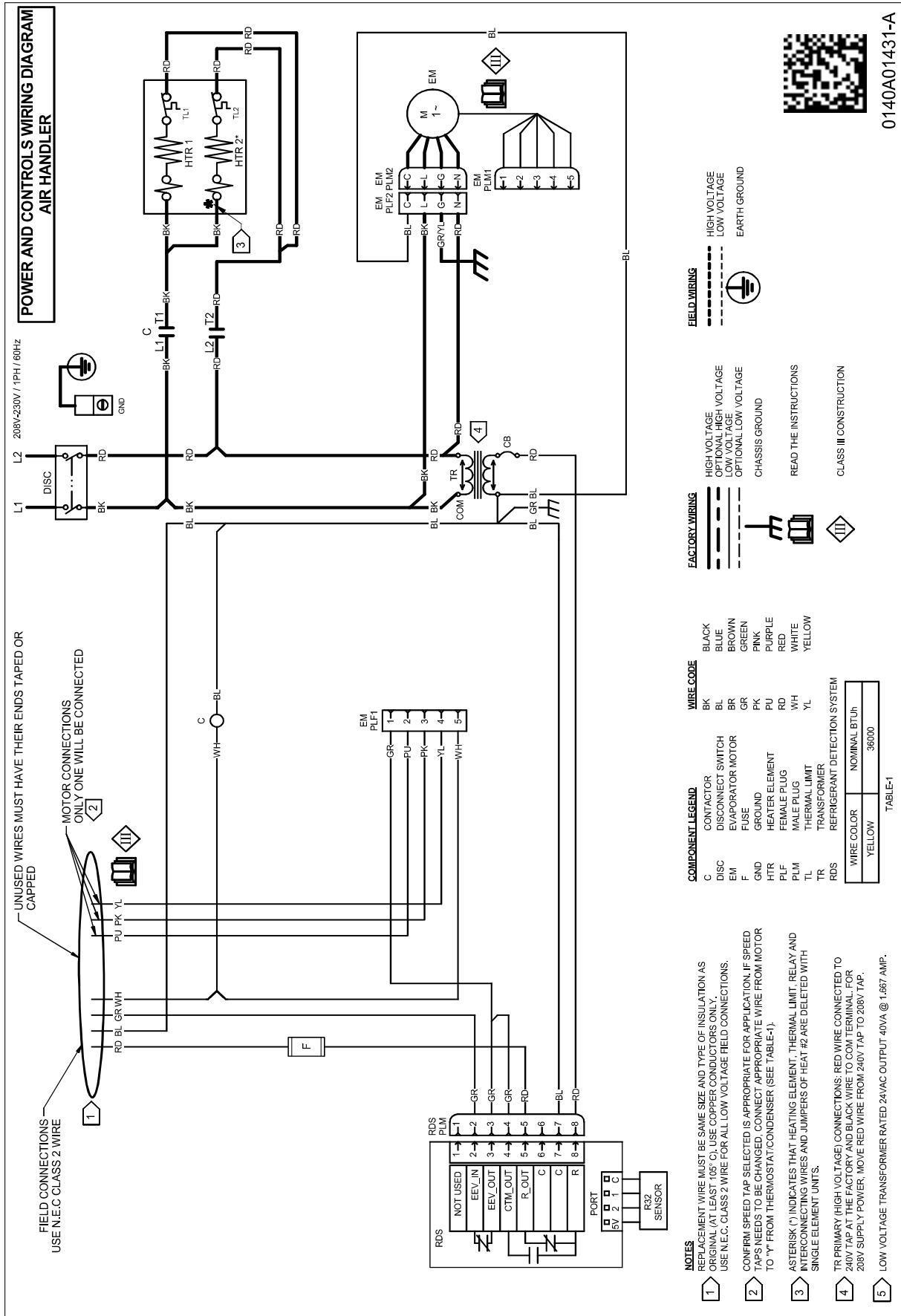




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