



DSC COMMERCIAL

3 - 5 TON PACKAGED AIR CONDITIONER

14 SEER / UP TO 12.0 EER

COOLING CAPACITY: 35,000 – 58,000 BTU/H



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■ Standard Features

- High-efficiency scroll compressor
- Copper tube/aluminum fin coils
- High- and low-pressure switches
- Contactor with lugs
- High-capacity, steel-cased filter drier
- Heater kits with single-point entry
- 24-volt terminal strip
- Convertible airflow orientation
- Easy to service
- Built-in filter rack with standard 2" filters
- Bottom utility entry
- AHRI Certified; ETL Listed
- 3-5 Tons with single speed blower motor units meet the performance specified in Table 6.8.1-1 of ASHRAE Standard 90.1-2013

■ Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Full Perimeter Rail
- Sloped drain pan



* Complete warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com.

FACTORY-INSTALLED OPTIONS

- **Stainless-Steel Heat Exchanger (Gas units only):** A tubular heat exchanger made of 409-type stainless steel is installed in the unit.
- **Low-Ambient Kit:** Allows for cooling operation at lower outdoor temperatures. On the 3- to 6-ton units, cooling operation is extended from 60°F ambient temperature to 35°F outside air temperature. On 7½ -20 ton units, cooling operation is extended from 35°F ambient temperature to 0°F outside air temperature. For 25 ton units, cooling operation is extended from 24°F ambient temperature to 0°F outside air temperature.
- **Economizers (Downflow):** Based on air conditions, can provide outside air to cool the space.
- **Electric Heat Kits (AC and heat pump units only):** Available in all voltage options.
- **Non-powered Convenience Outlet:** A 120V, 15A, GFCI outlet makes it easier for technicians to service the unit once an electrician runs power to the outlet.
- **Powered Convenience Outlet:** A 120V, 15A, GFCI outlet powered with a transformer built into the unit. When a factory-installed powered convenience outlet is installed in the equipment, the unit MCA (Min. Circuit Ampacity) will increase by 7.2A/6.5A for 208/230V units, increase by 3.3A for 460V units, and by 2.6A for 575V units. The MOP (Max. Overcurrent Protection) device must be sized accordingly.
- **Disconnect Switch (non-fused; 3-phase units only):** A disconnect switch is installed in the unit and factory wiring will be complete from the switch to the unit. Please note that for air conditioning (DSC units) and heat pump models (DSH units), the appropriate electric heat kit must be ordered to be factory-installed along with the disconnect switch (non-fused) when it is ordered. Please note that for models with a powered convenience outlet option and a disconnect switch (non-fused) option, the power to the powered convenience outlet will be shut off when the disconnect switch (non-fused) is in the off position.
- **Return Air and/or Supply Air Smoke Detectors:** Return air and/or supply air smoke detectors are installed in the unit.
- **Hinged Access Panels:** Allows access to unit's major components. Combined with latches for easy access to control box, compressor, filters and blower motor. Available on all units.
- **Two-speed indoor fan blower models** are available on 6, 7½, 8½, 10, 12½, 15, 20 & 25 ton units. Section 6.4.3.10.b of ASHRAE Standard 90.1-2010 and Section 6.5.3.2.1.a of ASHRAE Standard 90.1-2013 require a minimum of two fan speeds. Section 140.4(m)1 of California Energy Commission Title 24 2013 contains a similar provision. When the units with the two-speed indoor fan blowers operate on a call for the first stage of cooling, the fan operates at low speed, which is 66% of full speed. When the units operate on a call for the second stage of cooling, the fan operates at full speed. In heating operation, the fan operates at full speed. During ventilation operation, the fan operates at low speed.
- **Phase Monitor:** Phase monitor (3 phase only), available for 3 - 25 ton DS, DC and DT series models. Phase monitor shall provide protection for motors and compressors against problems caused by phase loss, phase reversal and phase unbalance. Phase monitor is equipped with an LED that provides an ON or FAULT indicator.
- **DDC Controller:** DDC communicating controller, available for 3 - 25 ton DS, DC and DT series models with on-board BACnet® communication interface.

	DSC036 ***1D***A*	DSC036 ***3D***A*	DSC036 ***3B***A*	DSC036 ***4B***A*	DSC036 ***7B***A*
COOLING CAPACITY					
Total BTU/h	36,000	36,000	35,000	35,000	35,000
Sensible BTU/h	26,640	26,640	25,600	25,600	25,600
SEER / EER	14 / 12	14 / 12	14 / 12	14 / 12	14 / 12
Decibels	78	78	78	78	78
AHRI Reference #s	9967125	9967128	9952111	9952117	9952123
EVAPORATOR MOTOR / COIL					
Motor Type	Direct Drive	Direct Drive	Belt Drive	Belt Drive	Belt Drive
Indoor Nominal CFM	1,250	1,250	1,200	1,200	1,200
Motor Speed Tap (Cooling)	Low	Low	---	---	---
Indoor Motor FLA (Cooling)	2.46	2.46	3.4	1.7	2.3
Horsepower - RPM	⅓ - 910	⅓ - 910	1.0 - 1725	1.0 - 1725	1.5 - 1725
Piston Size (Cooling)	0.070	0.070	0.070	0.070	0.070
Filter Size (")	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge Cir #1 (oz.)	105	105	105	105	105
Evaporator Coil Face Area (ft²)	7.0	7.0	7.0	7.0	7.0
Rows Deep / Fins per Inch	4 / 16	4 / 16	4 / 16	4 / 16	4 / 16
BELT DRIVE EVAP FAN DATA					
# of Wheels (D x W)	----	----	1 (11" x 10")	1 (11" x 10")	1 (11" x 10")
Motor Sheave	----	----	1VL34 X ⅝	1VL34 X ⅝	1VL34 X ⅝
Blower Sheave / Belt	----	----	AK61 x 1 / AX51	AK61 x 1 / AX51	AK61 x 1 / AX51
CONDENSER FAN / COIL					
Quantity of Condenser Fan Motors	1	1	1	1	1
Horsepower - RPM	⅓ / 1,075	⅓ / 1,075	⅓ / 1,075	⅓ / 1,050	⅓ / 1,050
Fan Diameter / # Fan Blades	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	3,800	3,800	3,800
Face Area (ft²)	17.1	17.1	17.1	17.1	17.1
Rows Deep / Fins per Inch	1 / 24	1 / 24	1 / 24	1 / 24	1 / 24
COMPRESSOR					
Quantity / Type / Stage	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single
Compressor RLA / LRA	16.7 / 79.0	10.4 / 73.0	10.4 / 73.0	5.8 / 38.0	3.8 / 36.5
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-1-60	208/230-3-60	208/230-3-60	460-3-60	575-3-60
Indoor Blower HP / FLA	⅓ / 2.46	⅓ / 2.46	1 / 3.4	1 / 1.7	1.5 / 2.3
Max External Static	0.5"	0.5"	1.0"	1.0"	1.0"
Outdoor Fan HP / FLA	⅓ / 1.4	⅓ / 1.4	⅓ / 1.4	⅓ / 0.70	⅓ / 0.55
Min. Circuit Ampacity ¹	24.7 / 24.7	16.9 / 16.9	17.9 / 17.9	9.6	7.6
Max. Overcurrent Protection (amps) ²	40 / 40	25 / 25	25 / 25	15	15
Power Supply Conduit Hole	1.125"	1.125"	1.125"	1.125"	1.125"
Low-Voltage Conduit Hole	½"	½"	½"	½"	½"
OPERATING WEIGHT (LBS)	565	565	565	565	565
SHIP WEIGHT (LBS)	590	590	590	590	590

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.

	DSC048 ***1D***A*	DSC048 ***3D***A*	DSC048 ***3B***A*	DSC048 ***4B***A*	DSC048 ***7B***A*
COOLING CAPACITY					
Total BTU/h	48,000	48,000	47,000	47,000	47,000
Sensible BTU/h	35,520	35,520	35,000	35,000	35,000
SEER / EER	14 / 12	14 / 12	14 / 11.8	14 / 11.8	14 / 11.8
Decibels	78	78	78	78	78
AHRI Reference #s	9967126	9967129	9952112	9952118	9952124
EVAPORATOR MOTOR / COIL					
Motor Type	Direct Drive	Direct Drive	Belt Drive	Belt Drive	Belt Drive
Indoor Nominal CFM	1,600	1,600	1,600	1,600	1,600
Motor Speed Tap (Cooling)	Low	Low	--	--	--
Indoor Motor FLA (Cooling)	2.80	2.80	3.4	1.7	2.3
Horsepower - RPM	¾ - 1,025	¾ - 1,025	1.0 - 1,725	1.0 - 1,725	1.5 - 1,725
Piston Size (Cooling)	0.076	0.076	0.074	0.074	0.074
Filter Size (")	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge Cir #1 (oz.)	110	110	111	111	111
Evaporator Coil Face Area (ft²)	7.8	7.8	7.8	7.8	7.8
Rows Deep / Fins per Inch	4 / 16	4 / 16	4 / 16	4 / 16	4 / 16
BELT DRIVE EVAP FAN DATA					
# of Wheels (D x W)	-----	-----	1 (11" x 10")	1 (11" x 10")	1 (11" x 10")
Motor Sheave	-----	-----	VL40 X ¾"	VL40 X ¾"	VL40 X ¾"
Blower Sheave / Belt	-----	-----	AK66 x 1 / AX52	AK66 x 1 / AX52	AK66 x 1 / AX52
CONDENSER FAN / COIL					
Quantity of Condenser Fan Motors	1	1	1	1	1
Horsepower - RPM	¾ - 1,075	¾ - 1,075	¾ - 1,075	¾ - 1,050	¾ - 1,050
Fan Diameter/ # Fan Blades	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	3,800	3,800	3,800
Face Area (ft²)	12.5	12.5	12.5	12.5	12.5
Rows Deep/ Fins per Inch	2 / 27	2 / 27	2 / 27	2 / 27	2 / 27
COMPRESSOR					
Quantity / Type/ Stage	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single
Compressor RLA / LRA	19.9 / 109	13.1 / 83.1	13.1 / 83.1	6.1 / 41	4.4 / 33
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-1-60	208/230-3-60	208/230-3-60	460-3-60	575-3-60
Indoor Blower HP / FLA	¾ / 2.8	¾ / 2.8	1.0 / 3.4	1.0 / 1.7	1.5 / 2.3
Max External Static	0.5"	0.5"	1.0"	1.0"	1.0"
Outdoor Fan HP / FLA	¾ / 1.40	¾ / 1.40	¾ / 1.40	¾ / 0.70	¾ / 0.55
Min. Circuit Ampacity ¹	29 / 29	20.6 / 20.6	21.2 / 21.2	10	8.3
Max. Overcurrent Protection (amps) ²	45 / 45	30 / 30	30 / 30	15	15
Power Supply Conduit Hole	1.125"	1.125"	1.125"	1.125"	1.125"
Low-Voltage Conduit Hole	½"	½"	½"	½"	½"
OPERATING WEIGHT (LBS)	565	565	570	570	570
SHIP WEIGHT (LBS)	590	590	595	595	595

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.

	DSC060 ***1D***A*	DSC060 ***3D***A*	DSC060 ***3B***A*	DSC060 ***4B***A*	DSC060 ***7B***A*
COOLING CAPACITY					
Total BTU/h	58,000	58,000	58,000	58,000	58,000
Sensible BTU/h	42,920	42,920	42,920	42,920	42,920
SEER / EER	14 / 11.6	14 / 11.6	14 / 11.6	14 / 11.6	14 / 11.6
Decibels	78	78	78	78	78
AHRI Reference #s	9967127	9967130	9952113	9952119	9952125
EVAPORATOR MOTOR / COIL					
Motor Type	Direct Drive	Direct Drive	Belt	Belt	Belt
Indoor Nominal CFM	1,800	1,800	1,800	1,800	1,800
Motor Speed Tap (Cooling)	T3	T3	--	--	--
Indoor Motor FLA (Cooling)	6.90	6.90	3.2	1.5	1.2
Horsepower - RPM	1 - 1,050	1 - 1,050	1 - 1760	1 - 1760	1 - 1760
Piston Size (Cooling)	0.086	0.086	0.086	0.086	0.086
Filter Size (")	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14 x 20 x 2	(4) 14 x 20 x 2	(4) 14 x 20 x 2
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge Cir #1 (oz.)	100	100	100	100	100
Evaporator Coil Face Area (ft²)	7.8	7.8	7.8	7.8	7.8
Rows Deep / Fins per Inch	4/16	4/16	4 / 16	4 / 16	4 / 16
BELT DRIVE EVAP FAN DATA					
# of Wheels (D x W)	-----	-----	1 (11" x 10")	1 (11" x 10")	1 (11" x 10")
Motor Sheave	-----	-----	VL40 x 7/8	VL40 x 7/8	VL40 x 7/8
Blower Sheave / Belt	-----	-----	AK61 x 1 / AX52	AK61 x 1 / AX52	AK61 x 1 / AX52
CONDENSER FAN / COIL					
Quantity of Condenser Fan Motors	1	1	1	1	1
Horsepower - RPM	¼ / 1,075	¼ / 1,075	¼ / 1,075	¼ / 1,075	¼ / 1,075
Fan Diameter/ # Fan Blades	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	3,800	3,800	3,800
Face Area (ft²)	13	13	13.0	13.0	13.0
Rows Deep/ Fins per Inch	2 / 27	2 / 27	2 / 27	2 / 27	2 / 27
COMPRESSOR					
Quantity / Type/ Stage	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single	1 / Scroll/Single
Compressor RLA / LRA	26.4 / 134.0	16.0 / 110.0	16 / 110	7.8 / 52	5.7 / 38.9
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-1-60	208/230-3-60	208/230-3-60	460-3-60	575-3-60
Indoor Blower HP / FLA	1.0 / 6.9	1.0 / 6.9	1.0 / 3.2	1.0 / 1.5	1.0 / 1.2
Max External Static	0.9"	0.9"	1.0	1.0	1.0
Outdoor Fan HP / FLA	¼ / 1.40	¼ / 1.40	¼ / 1.40	¼ / 0.70	¼ / 0.55
Min. Circuit Ampacity ¹	41.3 / 41.3	28.3 / 28.3	24.6 / 24.6	11.9	8.9
Max. Overcurrent Protection (amps) ²	60 / 60	40 / 40	40 / 40	15	15
Power Supply Conduit Hole	1.125"	1.125"	1.125"	1.125"	1.125"
Low-Voltage Conduit Hole	½"	½"	½"	½"	½"
OPERATING WEIGHT (LBS)	570	570	570	570	570
SHIP WEIGHT (LBS)	595	595	595	595	595

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.

DIRECT DRIVE — HORIZONTAL

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1280	0.1	1.54	360	755	Low
1215	0.2	1.5	345	800	
1145	0.3	1.46	335	830	
1080	0.4	1.42	325	870	
1005	0.5	1.37	310	895	
1485	0.1	1.98	460	840	Med
1410	0.2	1.92	440	870	
1335	0.3	1.86	425	900	
1255	0.4	1.8	410	930	
1170	0.5	1.75	400	950	
1075	0.6	1.68	380	980	
945	0.7	1.6	360	1005	
1445	0.3	2.2	505	940	High
1365	0.4	2.14	490	960	
1270	0.5	2.08	470	985	
1180	0.6	2.02	460	1000	
1050	0.7	1.92	435	1030	
825	0.8	1.78	400	1055	

DIRECT DRIVE — DOWN SHOT

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1270	0.1	1.53	355	760	Low
1205	0.2	1.53	350	810	
1145	0.3	1.49	340	840	
1085	0.4	1.45	330	875	
1035	0.5	1.42	320	900	
1460	0.6	1.96	450	850	
1380	0.1	1.89	430	885	Med
1275	0.2	1.8	405	915	
1175	0.3	1.73	400	950	
1075	0.4	1.68	380	965	
1005	0.5	1.63	370	1000	
915	0.6	1.59	360	1015	
1445	0.3	2.2	500	950	High
1340	0.4	2.13	480	975	
1275	0.5	2.07	465	1000	
1175	0.6	2.02	455	1020	
1040	0.7	1.92	430	1045	
830	0.8	1.78	395	1070	

Notes:

- Assumes dry coil with filter in place
- SCFM correction for wet coil = 4%

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.1	---	---	---	---	---	---	---	---	1358	0.32	1210	0.24
0.2	---	---	---	---	---	---	---	---	1203	0.29	1044	0.23
0.3	---	---	---	---	---	---	1209	0.34	1044	0.27	854	0.22
0.4	---	---	---	---	1320	0.34	1050	0.31	836	0.24	665	0.20
0.5	---	---	1317	0.37	1124	0.31	862	0.29	---	---	---	---
0.6	---	---	1154	0.34	930	0.28	675	0.25	---	---	---	---
0.7	1270	0.41	991	0.31	685	0.25	---	---	---	---	---	---
0.8	1091	0.37	807	0.28	---	---	---	---	---	---	---	---
0.9	905	0.34	633	0.25	---	---	---	---	---	---	---	---
1.0	660	0.29	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6	---	---	---	---	---	---	---	---	---	---	---	---
0.7	---	---	---	---	---	---	---	---	---	---	---	---
0.8	---	---	---	---	---	---	---	---	---	---	1240	0.44
0.9	---	---	---	---	---	---	---	---	---	---	1124	0.43
1.0	---	---	---	---	---	---	---	---	1225	0.48	965	0.39
1.1	---	---	---	---	---	---	1280	0.55	1063	0.44	804	0.37
1.2	---	---	---	---	---	---	1143	0.52	867	0.40	---	---
1.3	---	---	---	---	1268	0.59	963	0.48	651	0.36	---	---
1.4	---	---	1347	0.69	1127	0.55	766	0.43	---	---	---	---
1.5	---	---	1211	0.65	986	0.52	---	---	---	---	---	---
1.6	1290	0.73	1024	0.59	833	0.48	---	---	---	---	---	---
1.7	1152	0.69	837	0.55	---	---	---	---	---	---	---	---
1.8	1062	0.66	---	---	---	---	---	---	---	---	---	---

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	1375	0.28
0.2	---	---	---	---	---	---	---	---	1367	0.33	1186	0.27
0.3	---	---	---	---	---	---	1374	0.39	1186	0.31	971	0.25
0.4	---	---	---	---	---	---	1193	0.36	952	0.28	756	0.23
0.5	---	---	---	---	1277	0.36	980	0.34	718	0.26	---	---
0.6	---	---	1312	0.39	1056	0.33	767	0.31	---	---	---	---
0.7	---	---	1126	0.36	779	0.29	---	---	---	---	---	---
0.8	1240	0.43	917	0.33	---	---	---	---	---	---	---	---
0.9	1029	0.39	708	0.30	---	---	---	---	---	---	---	---
1.0	749	0.34	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6	---	---	---	---	---	---	---	---	---	---	---	---
0.7	---	---	---	---	---	---	---	---	---	---	---	---
0.8	---	---	---	---	---	---	---	---	---	---	1459	0.51
0.9	---	---	---	---	---	---	---	---	---	---	1322	0.50
1.0	---	---	---	---	---	---	---	---	1392	0.55	1136	0.46
1.1	---	---	---	---	---	---	1455	0.63	1208	0.51	947	0.43
1.2	---	---	---	---	---	---	1299	0.60	985	0.46	738	0.40
1.3	---	---	---	---	1409	0.65	1094	0.54	740	0.41	---	---
1.4	---	---	1480	0.76	1252	0.61	870	0.49	---	---	---	---
1.5	---	---	1331	0.71	1095	0.57	---	---	---	---	---	---
1.6	1418	0.80	1126	0.65	925	0.53	---	---	---	---	---	---
1.7	1266	0.75	920	0.60	---	---	---	---	---	---	---	---
1.8	1168	0.73	---	---	---	---	---	---	---	---	---	---

STANDARD DIRECT DRIVE — HORIZONTAL

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1570	0.1	2.09	490	905	Low
1520	0.2	2.06	480	920	
1445	0.3	1.95	460	945	
1375	0.4	1.89	440	970	
1295	0.5	1.81	425	995	
1715	0.1	2.39	560	975	Med
1655	0.2	2.32	545	985	
1580	0.3	2.24	525	1005	
1500	0.4	2.16	505	1020	
1405	0.5	2.09	490	1035	
1305	0.6	2.00	465	1050	
1200	0.7	1.92	440	1065	
1839	0.1	2.77	650	1030	High
1770	0.2	2.70	630	1040	
1696	0.3	2.62	610	1050	
1611	0.4	2.53	590	1060	
1510	0.5	2.44	560	1070	
1418	0.6	2.36	540	1085	

STANDARD DIRECT DRIVE — DOWN SHOT

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1548	0.1	2.03	480	930	Low
1500	0.2	2	470	945	
1425	0.3	1.89	450	970	
1353	0.4	1.83	430	995	
1273	0.5	1.75	415	1020	
1660	0.1	2.31	540	1020	Med
1625	0.2	2.25	530	1035	
1565	0.3	2.19	515	1040	
1485	0.4	2.12	505	1050	
1405	0.5	2.12	500	1055	
1285	0.6	1.98	465	1060	
1200	0.7	1.93	440	1070	
1825	0.1	2.65	620	1045	High
1745	0.2	2.55	600	1060	
1670	0.3	2.53	590	1065	
1585	0.4	2.46	575	1070	
1480	0.5	2.37	550	1080	
1405	0.6	2.31	535	1090	

Notes:

- Assumes dry coil with filter in place
- SCFM correction for wet coil = 4%

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.1	---	---	---	---	---	---	---	---	1721	0.42	1588	0.34
0.2	---	---	---	---	---	---	1756	0.47	1582	0.39	1449	0.33
0.3	---	---	---	---	1736	0.52	1604	0.44	1437	0.37	1282	0.31
0.4	---	---	1765	0.54	1601	0.49	1452	0.41	1286	0.34	1109	0.28
0.5	1802	0.53	1653	0.51	1458	0.46	1306	0.38	1114	0.32	---	---
0.6	1701	0.56	1525	0.48	1314	0.43	1152	0.36	---	---	---	---
0.7	1593	0.54	1406	0.46	1160	0.40	956	0.33	---	---	---	---
0.8	1446	0.51	1247	0.43	982	0.36	---	---	---	---	---	---
0.9	1317	0.48	1072	0.39	---	---	---	---	---	---	---	---
1.0	1145	0.44	987	0.39	---	---	---	---	---	---	---	---
1.1	1059	0.44	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6	---	---	---	---	---	---	---	---	---	---	1634	0.52
0.7	---	---	---	---	---	---	---	---	1705	0.59	1520	0.49
0.8	---	---	---	---	---	---	1753	0.64	1576	0.56	1378	0.47
0.9	---	---	---	---	---	---	1644	0.61	1447	0.52	1237	0.43
1.0	---	---	---	---	1727	0.69	1535	0.58	1294	0.49	1070	0.40
1.1	---	---	---	---	1605	0.66	1392	0.54	1144	0.45	---	---
1.2	---	---	1745	0.76	1483	0.62	1232	0.50	974	0.42	---	---
1.3	1783	0.87	1586	0.71	1331	0.58	1068	0.46	---	---	---	---
1.4	1658	0.83	1427	0.66	1177	0.53	---	---	---	---	---	---
1.5	1533	0.78	1296	0.62	1019	0.50	---	---	---	---	---	---
1.6	1387	0.73	1123	0.57	---	---	---	---	---	---	---	---
1.7	1236	0.68	---	---	---	---	---	---	---	---	---	---
1.8	1096	0.65	---	---	---	---	---	---	---	---	---	---

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	1726	0.37
0.2	---	---	---	---	---	---	---	---	1720	0.43	1575	0.36
0.3	---	---	---	---	1888	0.57	1744	0.48	1562	0.41	1398	0.34
0.4	---	---	---	---	1740	0.54	1579	0.45	1398	0.38	1217	0.31
0.5	---	---	1797	0.56	1586	0.51	1420	0.42	1216	0.36	1004	0.28
0.6	1849	0.62	1658	0.53	1429	0.48	1252	0.40	997	0.32	---	---
0.7	1731	0.59	1528	0.51	1266	0.45	1039	0.36	---	---	---	---
0.8	1572	0.55	1355	0.47	1068	0.41	---	---	---	---	---	---
0.9	1431	0.52	1171	0.43	---	---	---	---	---	---	---	---
1.0	1245	0.48	987	0.39	---	---	---	---	---	---	---	---
1.1	1059	0.44	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6	---	---	---	---	---	---	---	---	---	---	1776	0.57
0.7	---	---	---	---	---	---	---	---	---	---	1652	0.54
0.8	---	---	---	---	---	---	---	---	---	---	1498	0.51
0.9	---	---	---	---	---	---	---	---	1713	0.61	1345	0.47
1.0	---	---	---	---	---	---	1787	0.67	1573	0.57	1163	0.44
1.1	---	---	---	---	1745	0.71	1668	0.63	1407	0.53	960	0.40
1.2	---	---	---	---	1612	0.68	1513	0.59	1243	0.49	---	---
1.3	---	---	1724	0.78	1447	0.63	1339	0.54	1059	0.46	---	---
1.4	1802	0.90	1551	0.72	1279	0.58	1161	0.50	---	---	---	---
1.5	1667	0.85	1409	0.67	1108	0.54	---	---	---	---	---	---
1.6	1508	0.80	1221	0.62	---	---	---	---	---	---	---	---
1.7	1343	0.74	1005	0.56	---	---	---	---	---	---	---	---
1.8	1191	0.70	---	---	---	---	---	---	---	---	---	---

STANDARD DIRECT DRIVE MOTOR — HORIZONTAL

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1215	0.1	1.4	165	610	T1
1150	0.2	1.46	175	645	
1085	0.3	1.54	180	690	
1010	0.4	1.64	195	725	
900	0.5	1.74	205	780	
840	0.6	1.77	215	810	
1395	0.1	1.86	230	670	T2
1325	0.2	1.95	240	705	
1260	0.3	2.01	250	735	
1210	0.4	2.10	260	770	
1135	0.5	2.16	265	810	
1040	0.6	2.28	280	860	
970	0.7	2.38	290	885	
910	0.8	2.46	300	925	
840	0.9	2.52	310	955	
1790	0.1	3.24	425	810	T3
1735	0.2	3.37	435	830	
1670	0.3	3.45	450	865	
1610	0.4	3.55	465	890	
1560	0.5	3.60	475	920	
1520	0.6	3.70	490	945	
1470	0.7	3.80	500	970	
1410	0.8	3.94	510	995	
1345	0.9	3.98	530	1035	
2005	0.1	4.30	575	880	T4
1965	0.2	4.41	590	900	
1895	0.3	4.52	610	930	
1835	0.4	4.63	620	955	
1790	0.5	4.75	635	980	
1745	0.6	4.84	650	1005	
1695	0.7	4.91	660	1030	
1650	0.8	5.03	675	1055	
1600	0.9	5.10	675	1080	
2120	0.1	5.10	690	930	T5
2075	0.2	5.15	710	950	
2025	0.3	5.23	720	975	
1975	0.4	5.35	735	995	
1930	0.5	5.46	750	1020	
1875	0.6	5.59	770	1040	
1835	0.7	5.64	780	1065	
1795	0.8	5.73	790	1090	
1735	0.9	5.82	805	1110	

STANDARD DIRECT DRIVE MOTOR — DOWN SHOT

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1205	0.1	1.47	180	635	T1
1150	0.2	1.54	185	675	
1065	0.3	1.59	185	730	
980	0.4	1.68	195	760	
860	0.5	1.79	200	810	
800	0.6	1.82	220	840	
1375	0.1	1.94	235	690	T2
1300	0.2	2.01	245	720	
1230	0.3	2.05	255	750	
1180	0.4	2.15	265	790	
1100	0.5	2.22	275	830	
1005	0.6	2.33	285	890	
970	0.7	2.43	295	900	
915	0.8	2.51	310	940	
845	0.9	2.57	315	980	
1755	0.1	3.34	385	850	T3
1700	0.2	3.47	395	865	
1665	0.3	3.56	410	895	
1580	0.4	3.68	425	930	
1545	0.5	3.72	435	955	
1505	0.6	3.80	520	990	
1430	0.7	3.93	530	1020	
1370	0.8	4.08	535	1040	
1300	0.9	4.12	570	1070	
1945	0.1	4.46	600	920	T4
1910	0.2	4.57	620	940	
1850	0.3	4.66	635	965	
1795	0.4	4.78	655	990	
1760	0.5	4.84	670	1020	
1710	0.6	4.96	685	1045	
1640	0.7	5.06	675	1065	
1610	0.8	5.19	690	1090	
1560	0.9	5.22	700	1125	
2090	0.1	5.35	720	970	T5
2040	0.2	5.38	740	990	
1985	0.3	5.70	755	1025	
1935	0.4	5.44	760	1035	
1900	0.5	5.82	780	1050	
1855	0.6	5.73	800	1075	
1810	0.7	5.69	810	1090	
1750	0.8	5.82	825	1120	
1680	0.9	5.94	840	1145	

NOTES

- Assumes dry coil with filter in place; SCFM correction for wet coil = 4%
- Five-ton models are shipped from the factory with speed tap set on T4.

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.1	---	---	---	---	---	---	2040	0.53	1873.00	0.43	1730	0.35
0.2	---	---	---	---	2046	0.58	1910	0.50	1758.00	0.41	1586	0.34
0.3	---	---	2130	0.65	1938	0.55	1781	0.46	1627.00	0.38	1435	0.31
0.4	2090	0.74	2018	0.62	1830	0.52	1651	0.43	1493.00	0.35	1290	0.28
0.5	2005	0.71	1897	0.59	1698	0.49	1505	0.40	1348.00	0.32	---	---
0.6	1915	0.68	1776	0.55	1576	0.45	1376	0.37	1174.00	0.29	---	---
0.7	1825	0.64	1657	0.52	1442	0.42	1227	0.33	---	---	---	---
0.8	1711	0.60	1529	0.48	1300	0.39	---	---	---	---	---	---
0.9	1587	0.56	1397	0.44	---	---	---	---	---	---	---	---
1.0	1460	0.53	1220	0.40	---	---	---	---	---	---	---	---
1.1	1314	0.50	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6	---	---	---	---	---	---	---	---	---	---	2173	0.77
0.7	---	---	---	---	---	---	---	---	2228	0.87	2048	0.74
0.8	---	---	---	---	---	---	---	---	2119	0.84	1929	0.71
0.9	---	---	---	---	---	---	2258	0.93	1971	0.80	1728	0.66
1.0	---	---	---	---	2292	1.04	2131	0.91	1796	0.76	1576	0.63
1.1	---	---	---	---	2149	1.00	1929	0.84	1636	0.72	1343	0.58
1.2	---	---	2382	1.18	2016	0.96	1824	0.81	1411	0.66	---	---
1.3	2382	1.30	2186	1.11	1874	0.92	1650	0.76	---	---	---	---
1.4	2280	1.26	2048	1.07	1674	0.87	1456	0.70	---	---	---	---
1.5	2124	1.21	1874	1.01	1419	0.79	---	---	---	---	---	---
1.6	2009	1.17	1735	0.96	---	---	---	---	---	---	---	---
1.7	1831	1.10	1411	0.85	---	---	---	---	---	---	---	---
1.8	1474	0.98	---	---	---	---	---	---	---	---	---	---

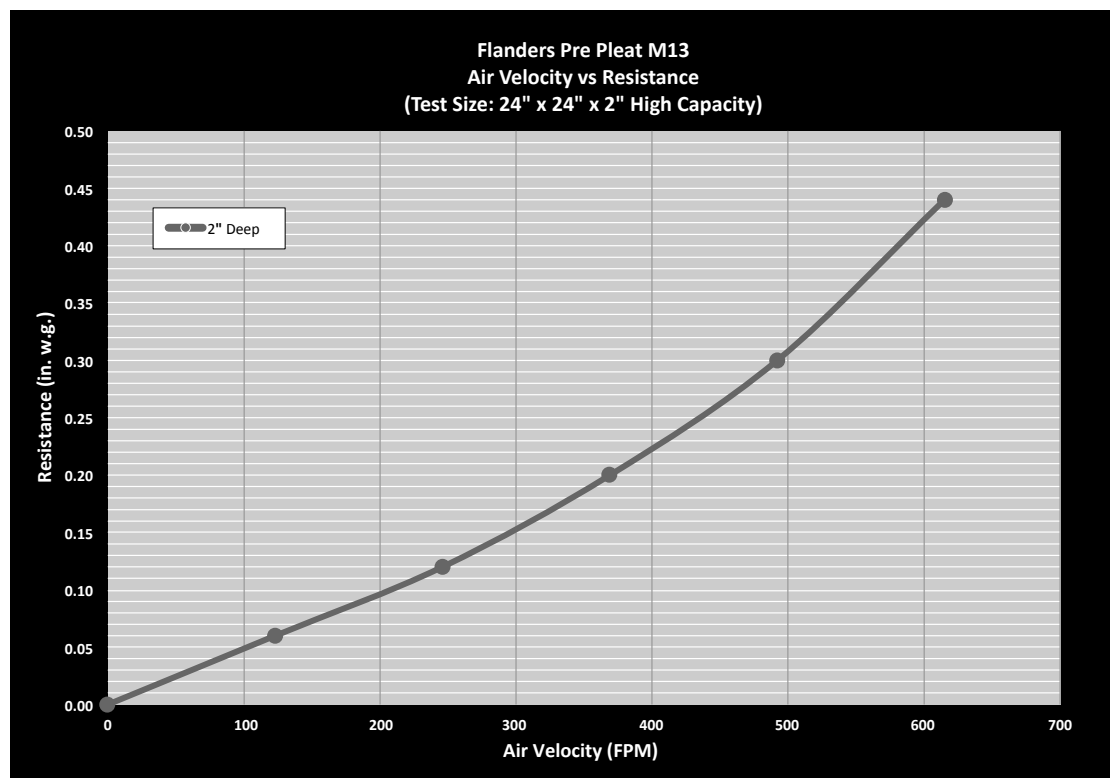
STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.1	---	---	---	---	---	---	---	---	2105	0.49	1940	0.40
0.2	---	---	---	---	---	---	2147	0.57	1975	0.47	1782	0.39
0.3	---	---	---	---	2178	0.63	2001	0.53	1828	0.43	1613	0.36
0.4	---	---	---	---	2057	0.60	1855	0.50	1678	0.41	1450	0.33
0.5	---	---	2131	0.68	1910	0.57	1691	0.47	1515	0.38	1252	0.29
0.6	2152	0.78	1995	0.64	1771	0.53	1546	0.44	1320	0.34	---	---
0.7	2051	0.74	1862	0.61	1620	0.49	1379	0.40	---	---	---	---
0.8	1922	0.70	1718	0.57	1461	0.46	1202	0.37	---	---	---	---
0.9	1784	0.66	1570	0.53	1296	0.43	---	---	---	---	---	---
1.0	1641	0.62	1371	0.48	---	---	---	---	---	---	---	---
1.1	1477	0.58	1200	0.44	---	---	---	---	---	---	---	---
1.2	1292	0.53	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6	---	---	---	---	---	---	---	---	2294	0.94	2104	0.81
0.7	---	---	---	---	---	---	2366	1.05	2170	0.90	1969	0.77
0.8	---	---	---	---	---	---	2230	1.01	2060	0.87	1839	0.74
0.9	---	---	---	---	2332	1.16	2115	0.97	1928	0.84	1699	0.71
1.0	---	---	---	---	2211	1.12	2014	0.95	1788	0.80	1495	0.66
1.1	---	---	2336	1.26	2115	1.09	1880	0.91	1636	0.75	---	---
1.2	---	---	2227	1.22	1988	1.05	1721	0.86	1433	0.70	---	---
1.3	2306	1.36	2075	1.17	1844	1.00	1571	0.81	---	---	---	---
1.4	2196	1.32	1946	1.12	1682	0.94	1386	0.76	---	---	---	---
1.5	2062	1.27	1786	1.06	1486	0.88	---	---	---	---	---	---
1.6	1951	1.22	1610	1.00	---	---	---	---	---	---	---	---
1.7	1785	1.16	1434	0.94	---	---	---	---	---	---	---	---
1.8	1633	1.09	---	---	---	---	---	---	---	---	---	---

HIGH EFFICIENCY MERV 13 AIR FILTER OPTION



TONNAGE:	FILTER NOMINAL SIZE:	PART NUMBER:	ORDER QTY:
3	24 x 24 x 2	0160L00203	1
4	14 x 20 x 2	0160L00204	4
5	16 x 20 x 2	0160L00205	4

CRANKCASE HEATER SELECTION TABLE

ZP/ZPS...	COMPRESSOR DIAMETER	COMPRESSOR VOLTAGE			CRANKCASE HEATER WATTS
		230V	460V	575V	
16-31	5.5"	0163R00002S	0163R00031S	0163R00032S	40
39-83	6.58/7.3"	0130L00017S	0130L00018S	0130L00019S	70
103-137	9.14"	0130L00020S	0130L00021S	0130L00022S	90

DC*,DT* & DS* TONNAGE	COMPRESSOR VOLTAGE			CRANKCASE HEATER WATTS
	230V	460V	575V	
3 Ton	0163R00002S	0163R00031S	0163R00032S	40
4 Ton-5 Ton	0130L00017S	0130L00018S	0130L00019S	70

*Includes C,G&H models.

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC036***1D***	---
EHK30-10	1250-1350 CFM
EHK30-15	1400-1440 CFM
DSC036***3D***	---
EHK3-10	1250-1350 CFM
EHK3-15	1400-1440 CFM
DSC036***3B***	---
EHK3-10	1250-1350 CFM
EHK3-15	1400-1440 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC036***4B***	---
EHK4-10	1250-1350 CFM
EHK4-15	1400-1440 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC036***7B***	---
EHK7-10	1250-1350 CFM
EHK7-15	1400-1440 CFM

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

For other voltage use $\text{voltage}^2 / 240^2$

Multiply rated kW by correction factor to get actual kW

kW CORRECTION FACTOR FOR 480V UNITS			
ACTUAL VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

For other voltage use $\text{voltage}^2 / 480^2$

kW CORRECTION FACTOR FOR 575V UNITS			
SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

For other voltage use $\text{voltage}^2 / 240^2$

Multiply rated kW by correction factor to get actual kW

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC048***1D***	---
EHK1-10	1400-1800 CFM
EHK1-15	1575-1800 CFM
EHK1-18	1575-1800 CFM
DSC048***3D***	---
EHK3-10	1400-1800 CFM
EHK3-15	1575-1800 CFM
EHK3-18	1575-1800 CFM
DSC048***3B***	---
EHK3-10	1400-1800 CFM
EHK3-15	1575-1800 CFM
EHK3-18	1575-1800 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC048***4B***	---
EHK4-10	1400-1800 CFM
EHK4-15	1575-1800 CFM
EHK4-18	1575-1800 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC048***7B***	---
EHK7-10	1400-1800 CFM
EHK7-15	1575-1800 CFM
EHK7-18	1575-1800 CFM

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

For other voltage use $\text{voltage}^2 / 240^2$

Multiply rated kW by correction factor to get actual kW

kW CORRECTION FACTOR FOR 480V UNITS			
ACTUAL VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

For other voltage use $\text{voltage}^2 / 480^2$

kW CORRECTION FACTOR FOR 575V UNITS			
SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

For other voltage use $\text{voltage}^2 / 240^2$

Multiply rated kW by correction factor to get actual kW

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC060***1D***	---
EHK1-10	1750-2250 CFM
EHK1-15	1750-2250 CFM
EHK1-20	1850-2250 CFM
DSC060***3D***	---
EHK3-10	1750 - 2250 CFM
EHK3-15	1750 - 2250 CFM
EHK3-20	1850 - 2250 CFM
DSC060***3B***	---
EHK3-10	1750 - 2250 CFM
EHK3-15	1750 - 2250 CFM
EHK3-20	1850 - 2250 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC060***4B***	---
EHK4-10	1750 - 2250 CFM
EHK4-15	1750 - 2250 CFM
EHK4-20	1850 - 2250 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DSC060***7B***	---
EHK7-10	1750-2250 CFM
EHK7-15	1750-2250 CFM
EHK7-20	1850-2250 CFM
EHK7-25	---

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

For other voltage use $\text{voltage}^2 / 240^2$

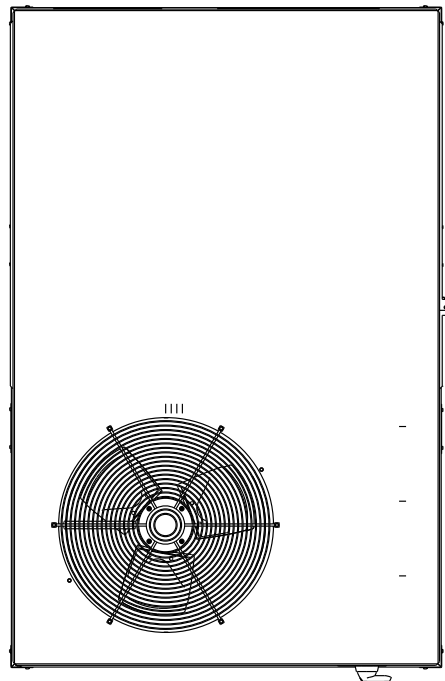
Multiply rated kW by correction factor to get actual kW

kW CORRECTION FACTOR FOR 480V UNITS			
ACTUAL VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

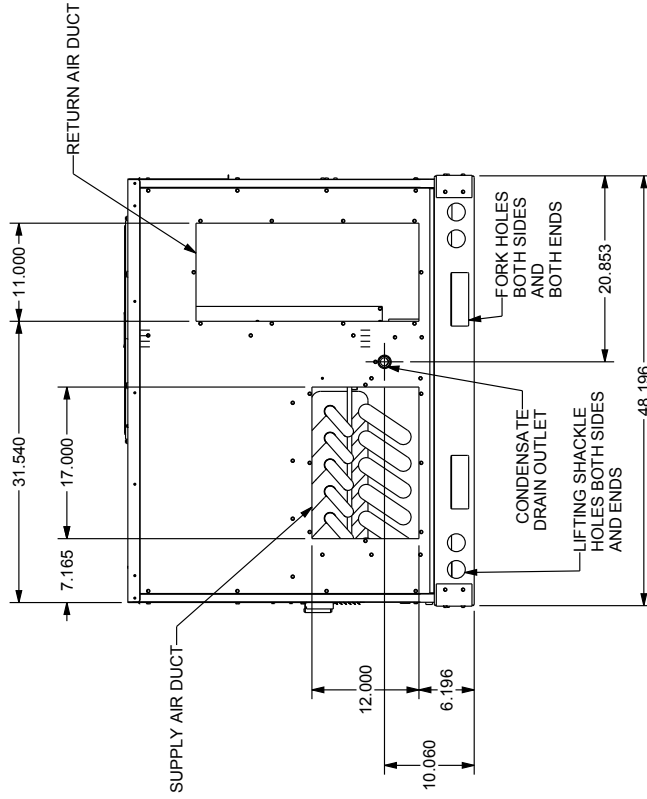
For other voltage use $\text{voltage}^2 / 480^2$

kW CORRECTION FACTOR FOR 575V UNITS			
SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

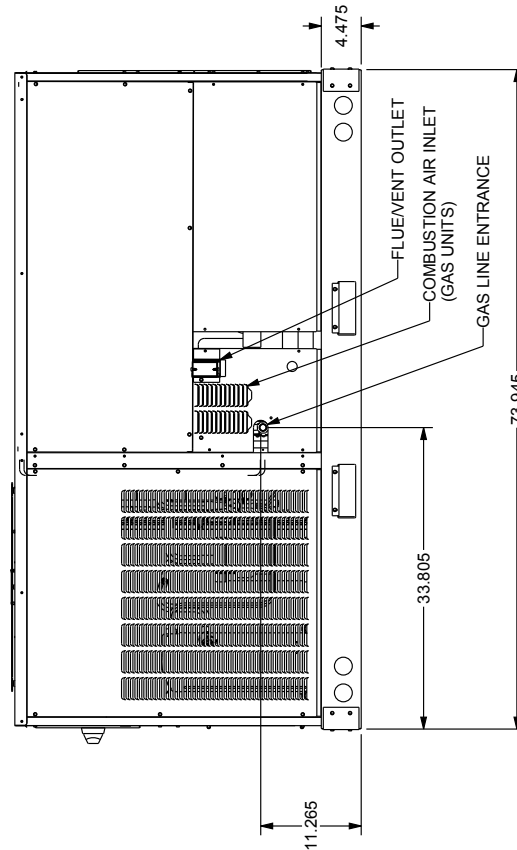
For other voltage use $\text{voltage}^2 / 240^2$



TOP VIEW



RIGHT END VIEW

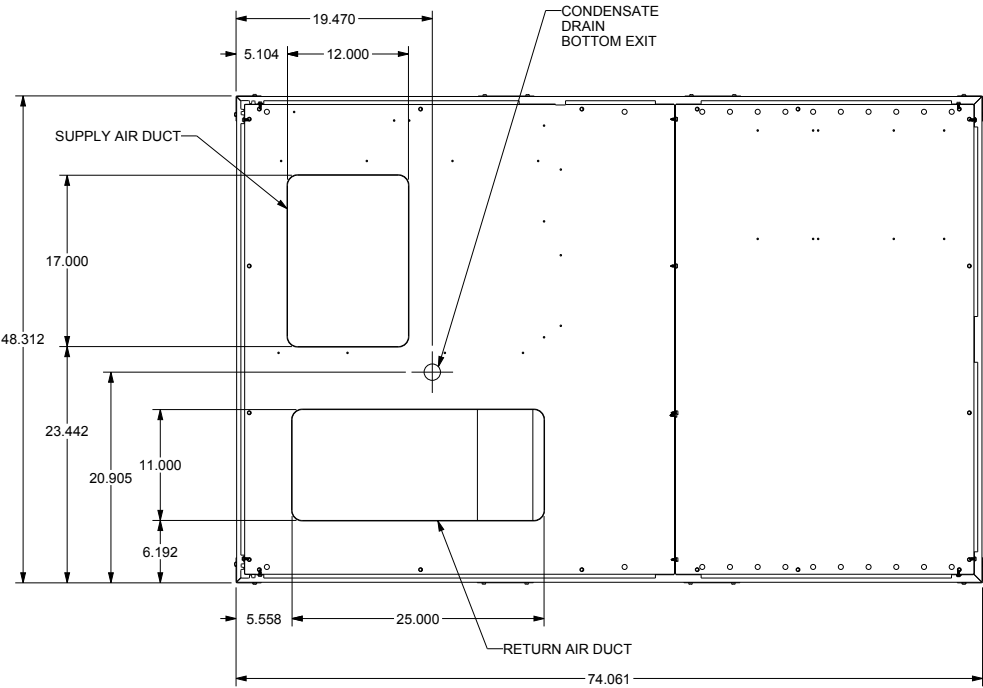


FRONT VIEW

DSC036-060

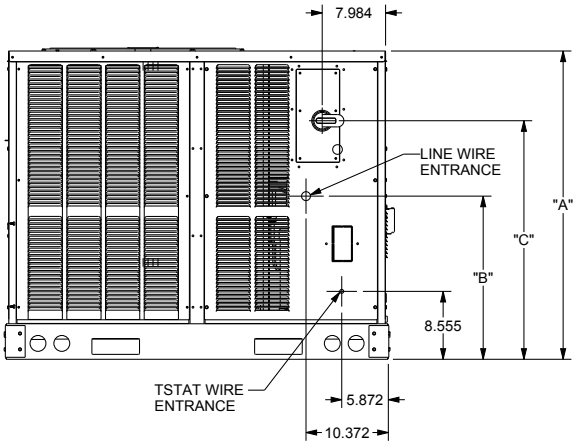
3 THRU 5 TON COMMERCIAL

ALL DIMENSIONS GIVEN ARE IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



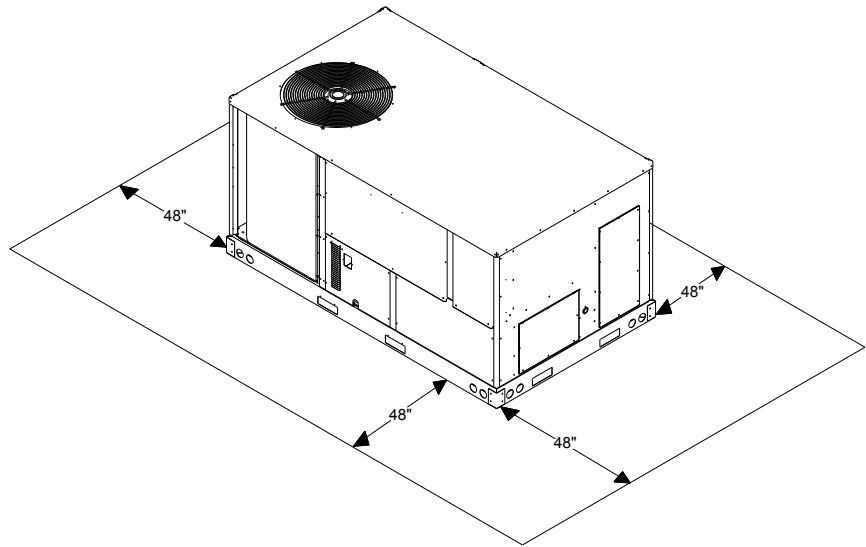
BASE PAN VIEW
(VIEWED FROM TOP)

MODEL TONNAGES	"A"	"B"	"C"
3 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	38.840	16.555	26.055
4 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	38.840	16.555	26.055
5 TON COMMERCIAL GAS, AIR CONDITIONER	38.840	16.555	26.055

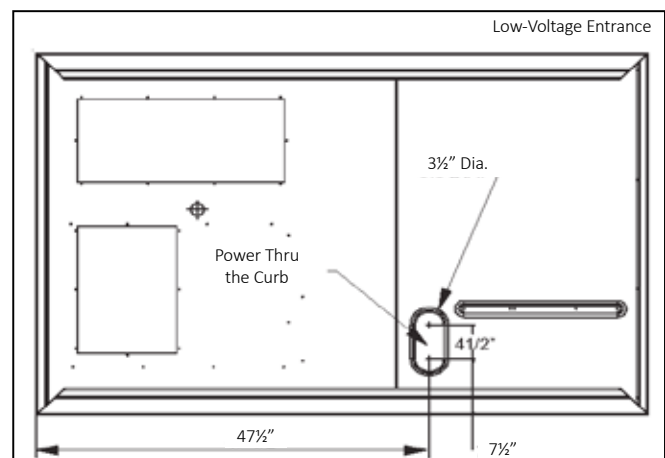
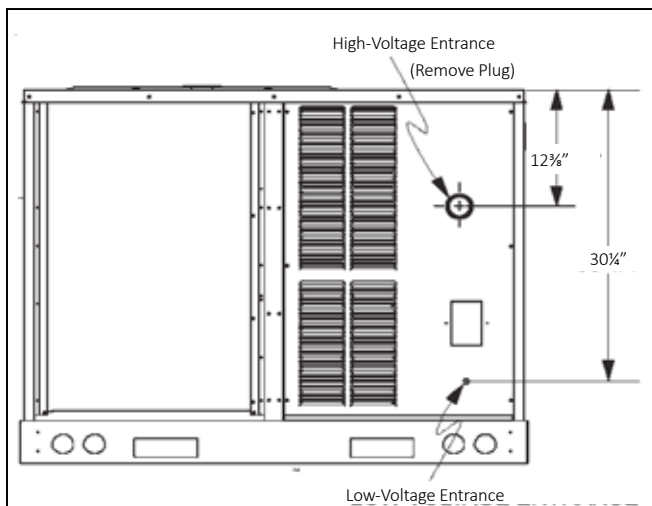


LEFT END VIEW

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a clearance of 48" on all sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit Beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.

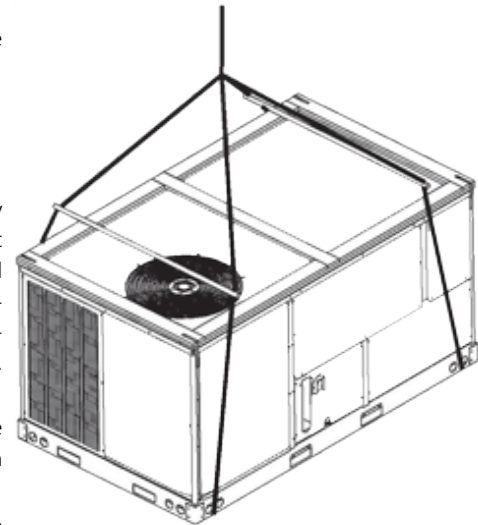


ELECTRICAL ENTRANCE LOCATIONS



Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60”.
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.



Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

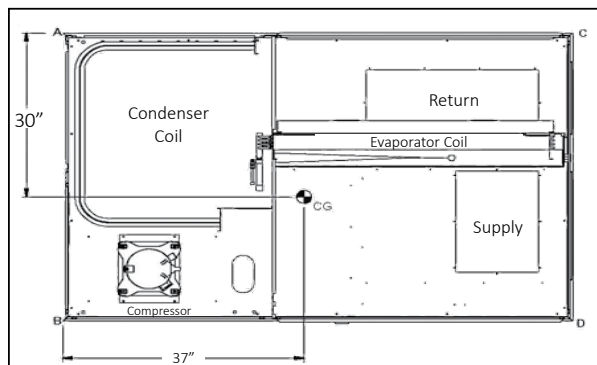
Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown below.

CORNER & CENTER-OF-GRAVITY LOCATIONS



UNIT WEIGHTS	3-TON WEIGHTS	4-TON WEIGHTS	5-TON WEIGHTS
Corner Weight (A)	131	132	132
Corner Weight (B)	167	168	168
Corner Weight (C)	117	118	118
Corner Weight (D)	150	151	151
Unit Shipping Weight	565	570	570
Unit Operating Weight	590	595	595

Note: Weights are calculated without accessories installed.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

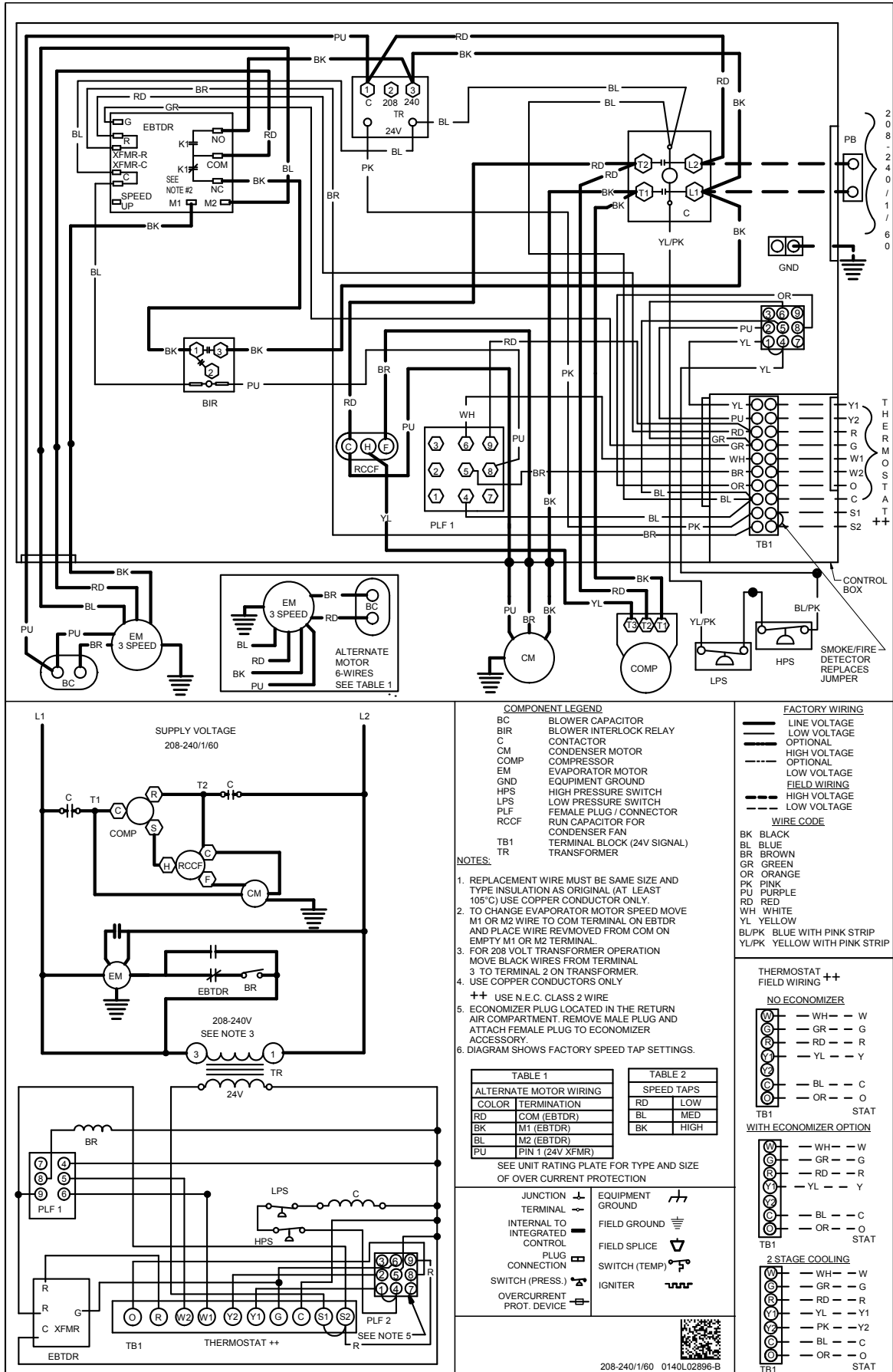
Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

Note: The unit and curb accessories are designed to allow Down Shot duct installation before unit placement. Duct installation after unit placement is not recommended.

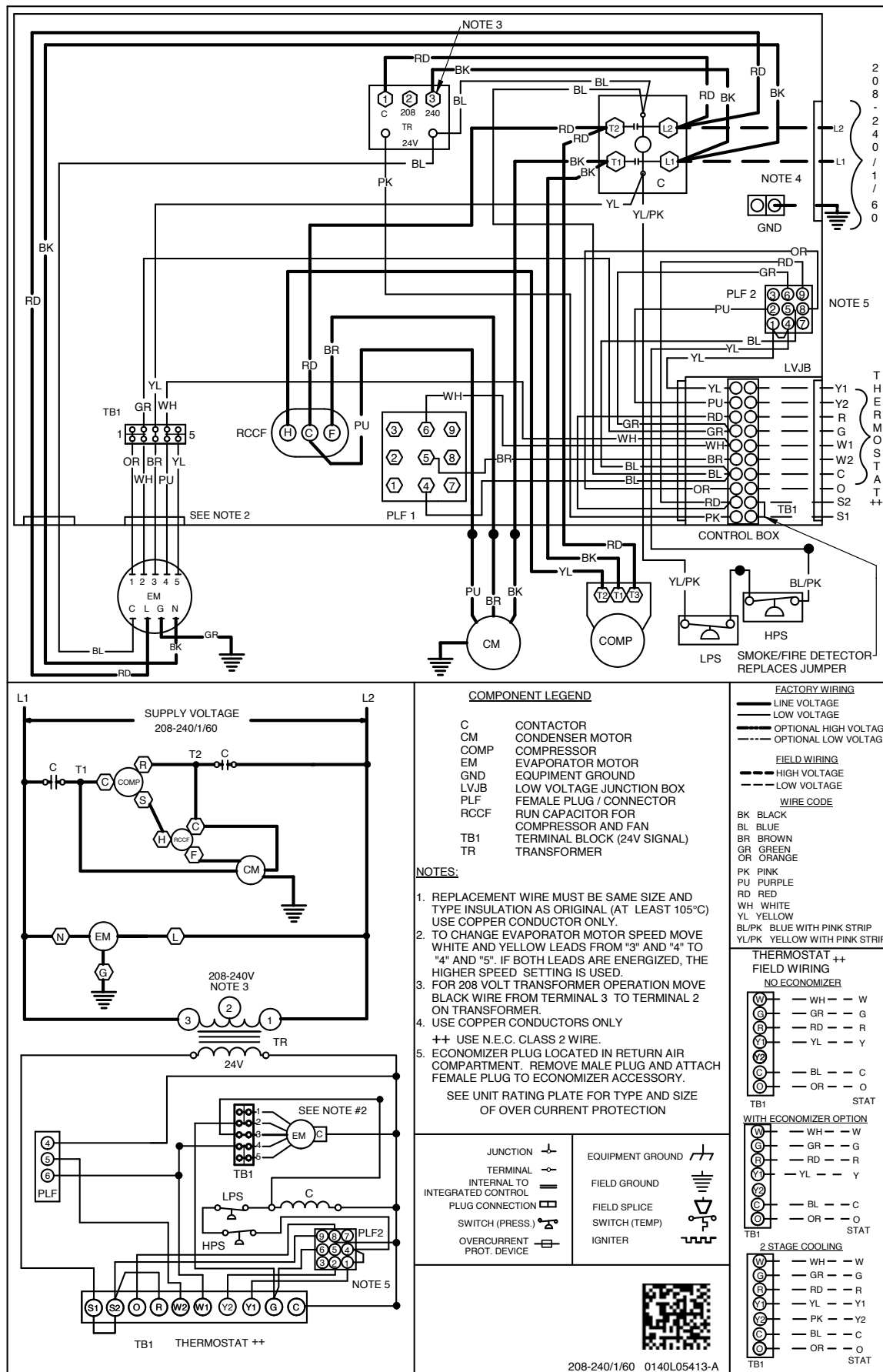
See the manual shipped with the roof curb for assembly and installation instructions.



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.

WARNING

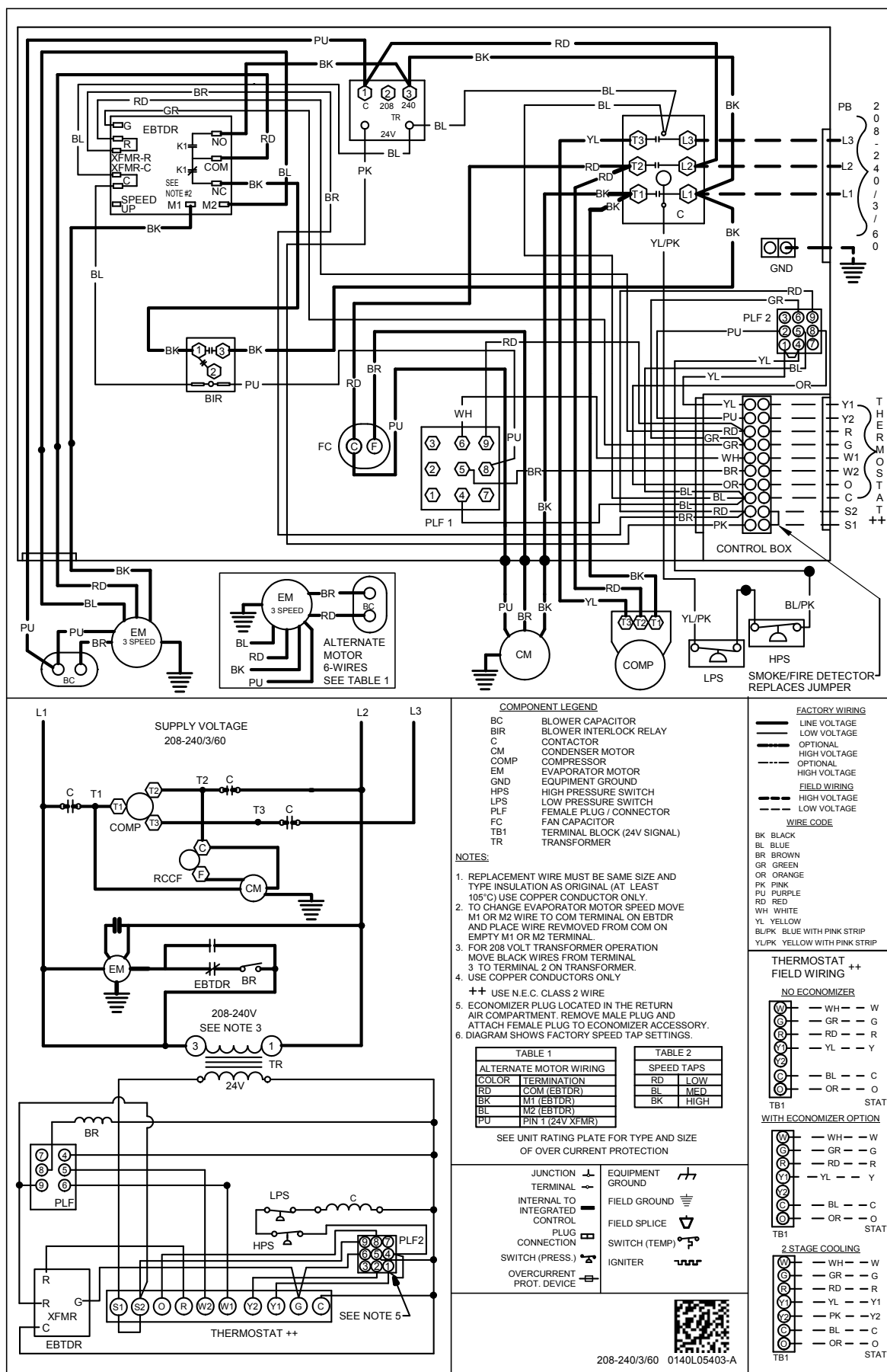
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



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WARNING

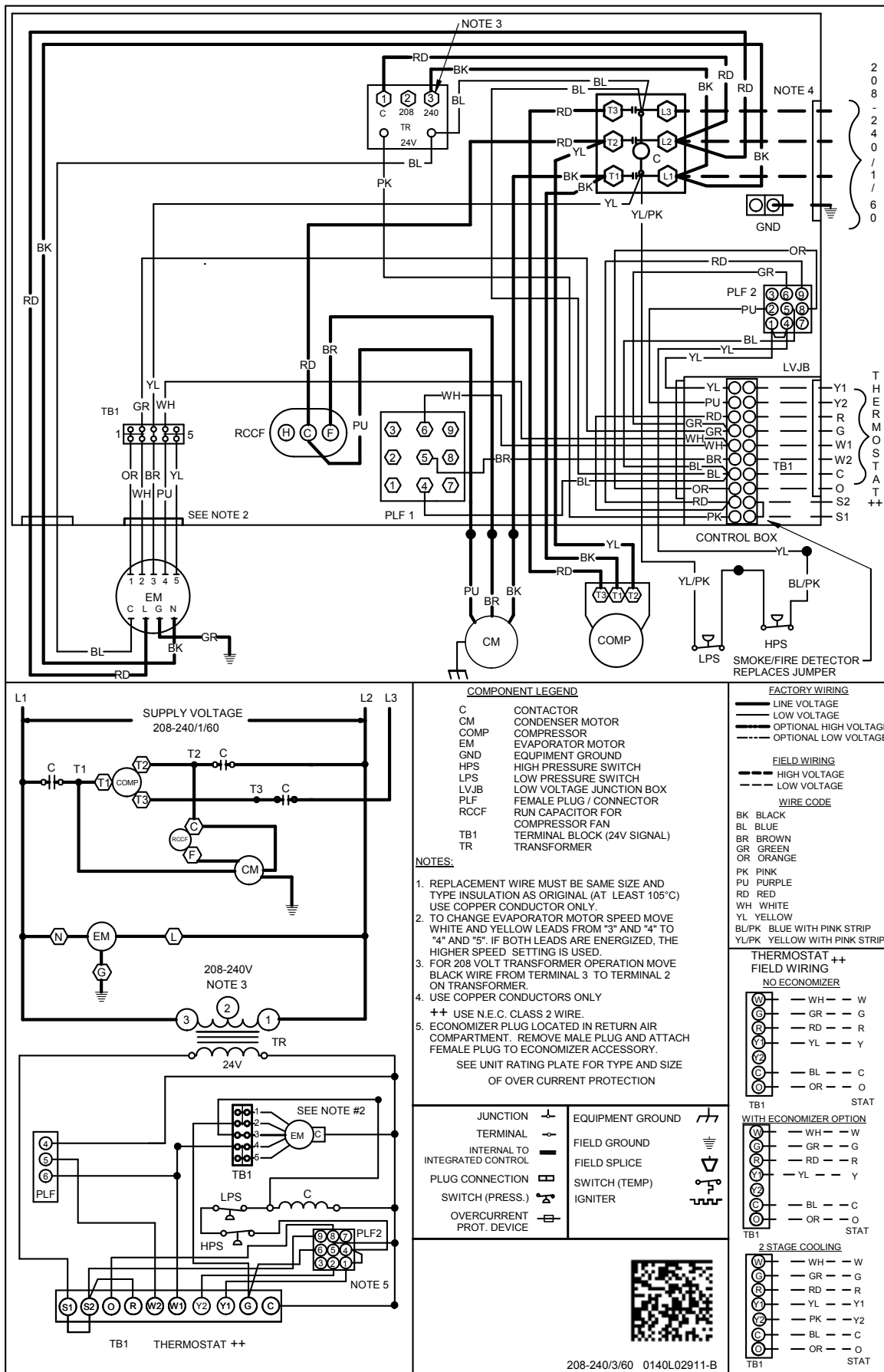
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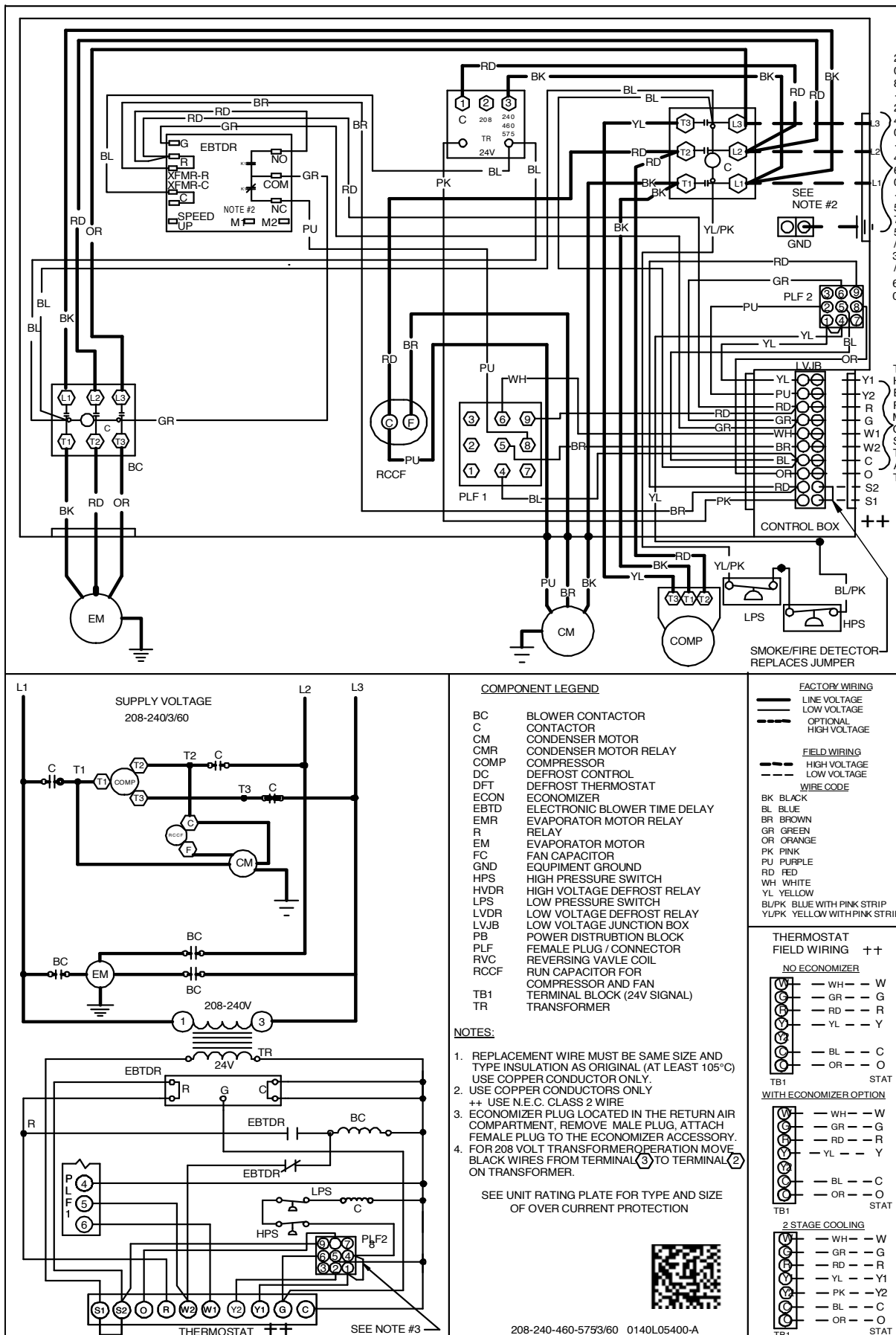
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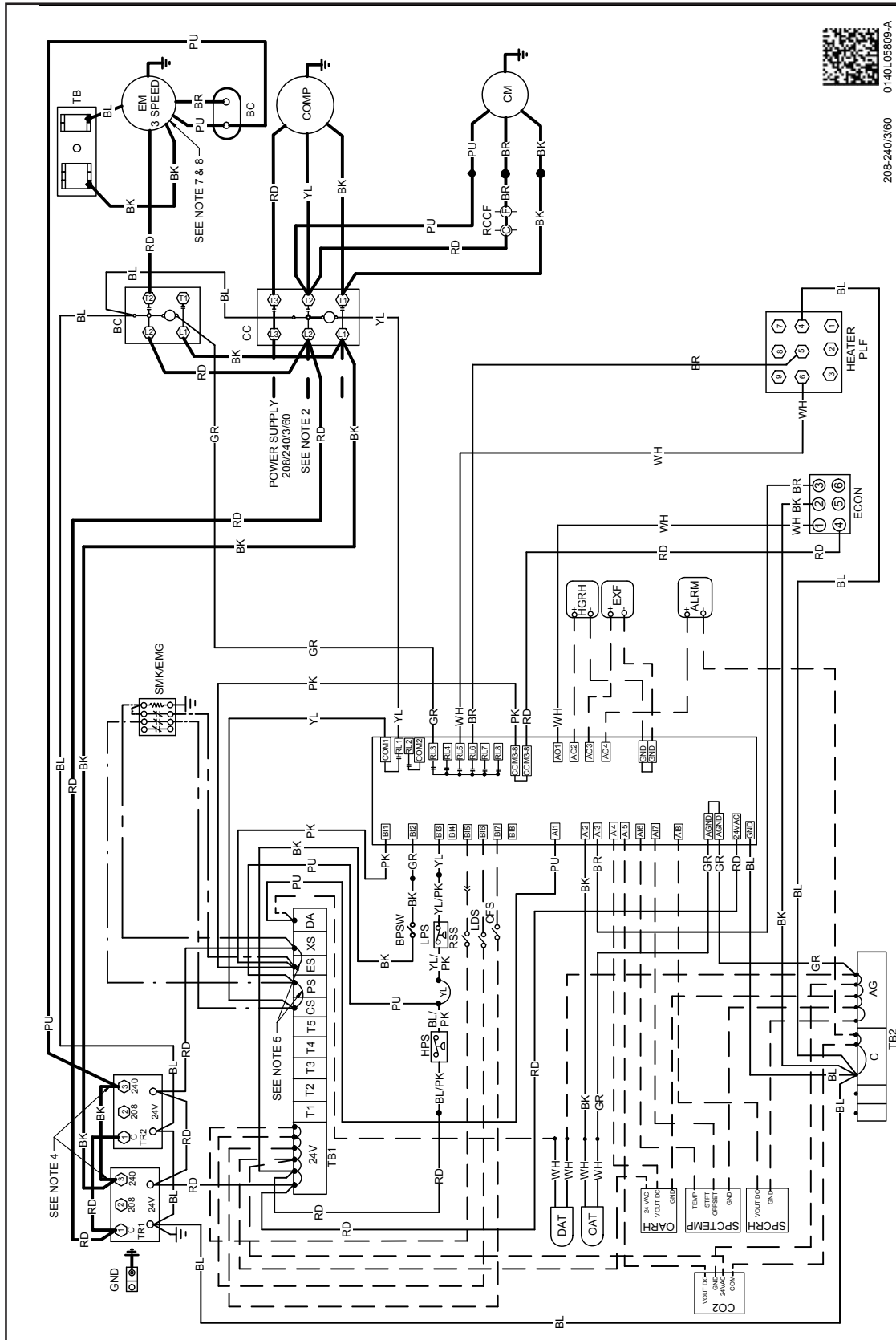
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WARNING

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WIRING DIAGRAMS FOR MODELS WITH DDC CONTROLS

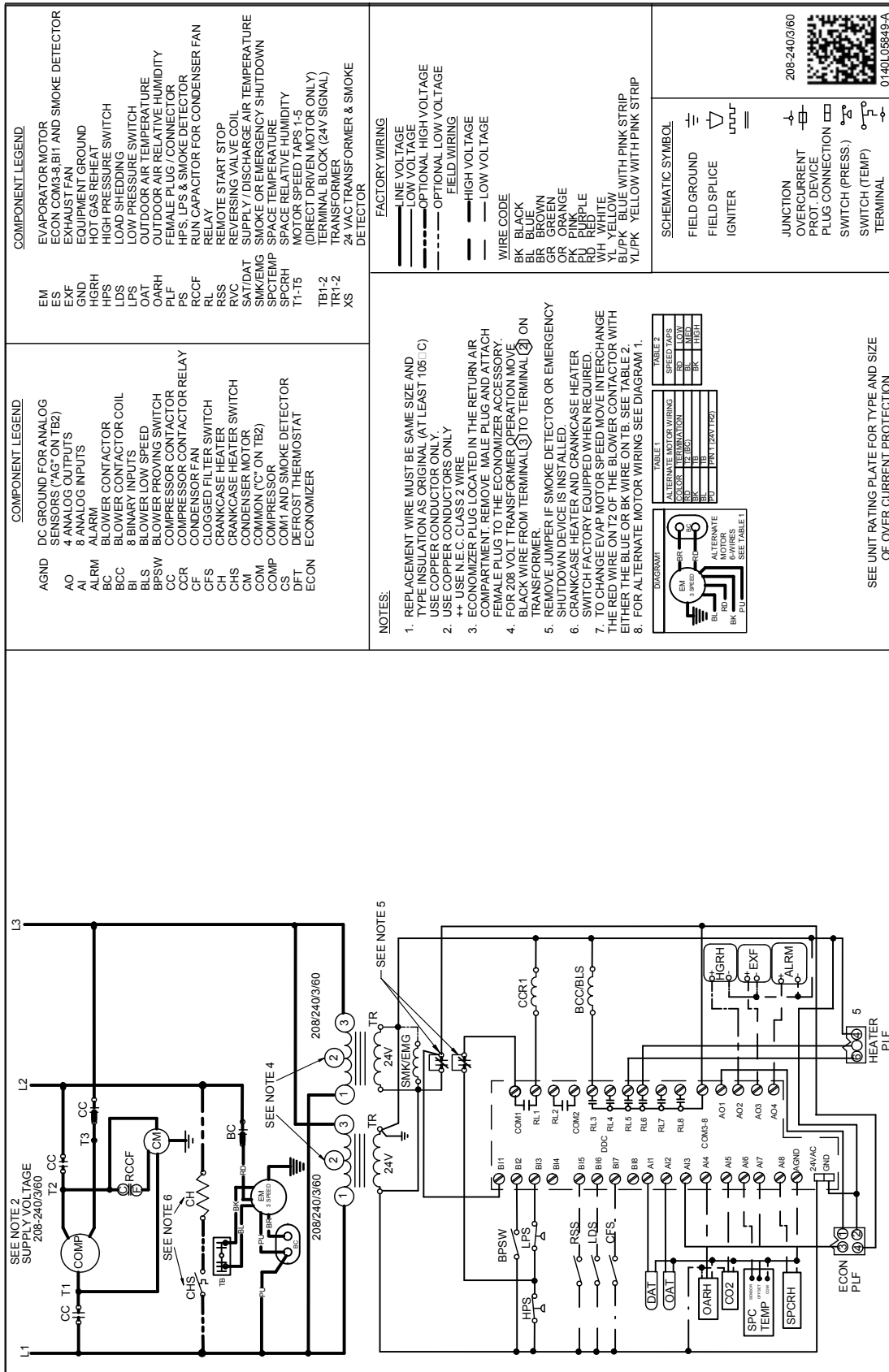
FOR COMPLETE INFORMATION AND INSTALLATION INSTRUCTIONS FOR MODELS
WITH DDC CONTROLS, SEE MANUAL DK-DDC-TGD-XXX



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

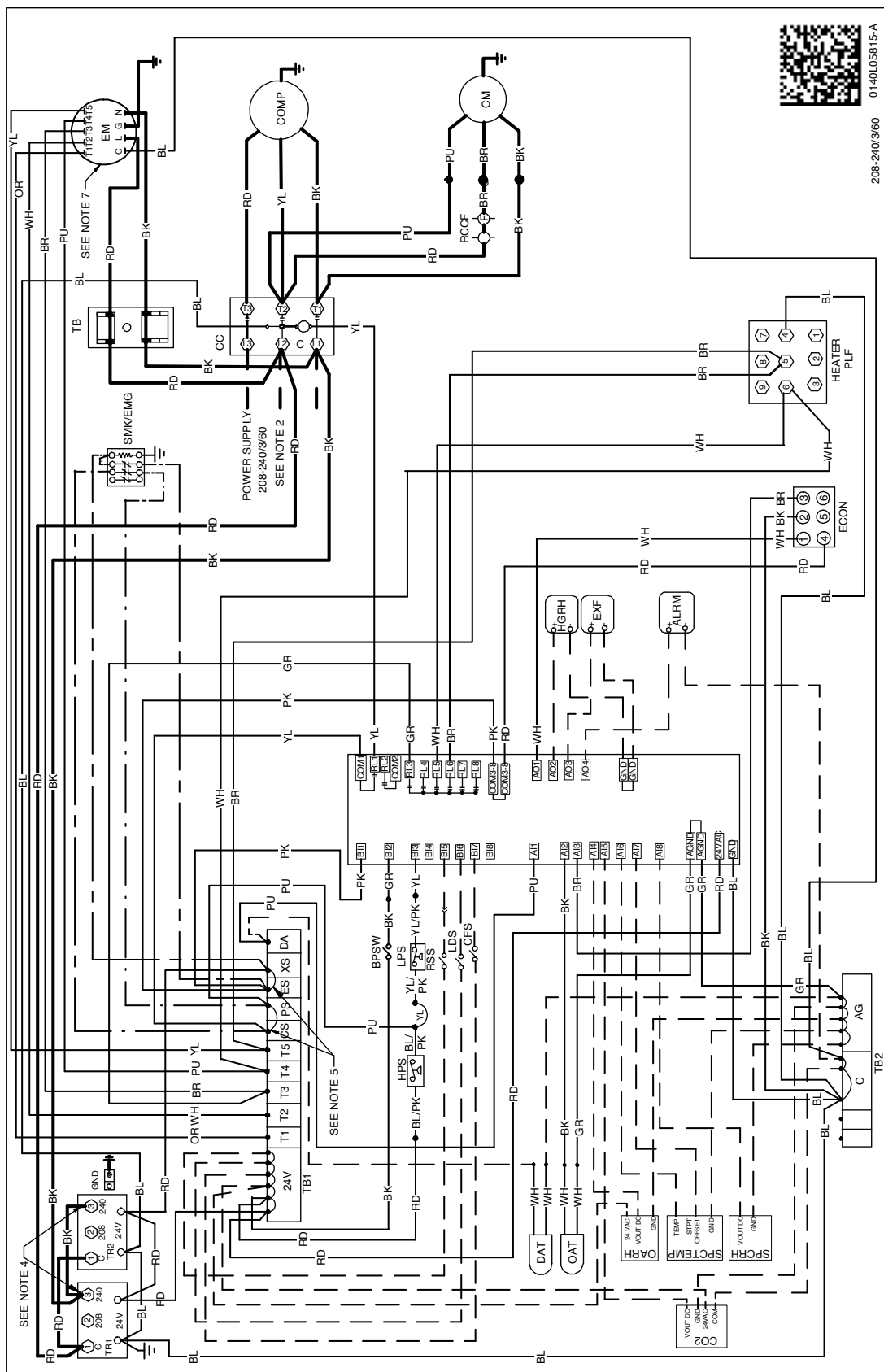
WARNING

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.



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.

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



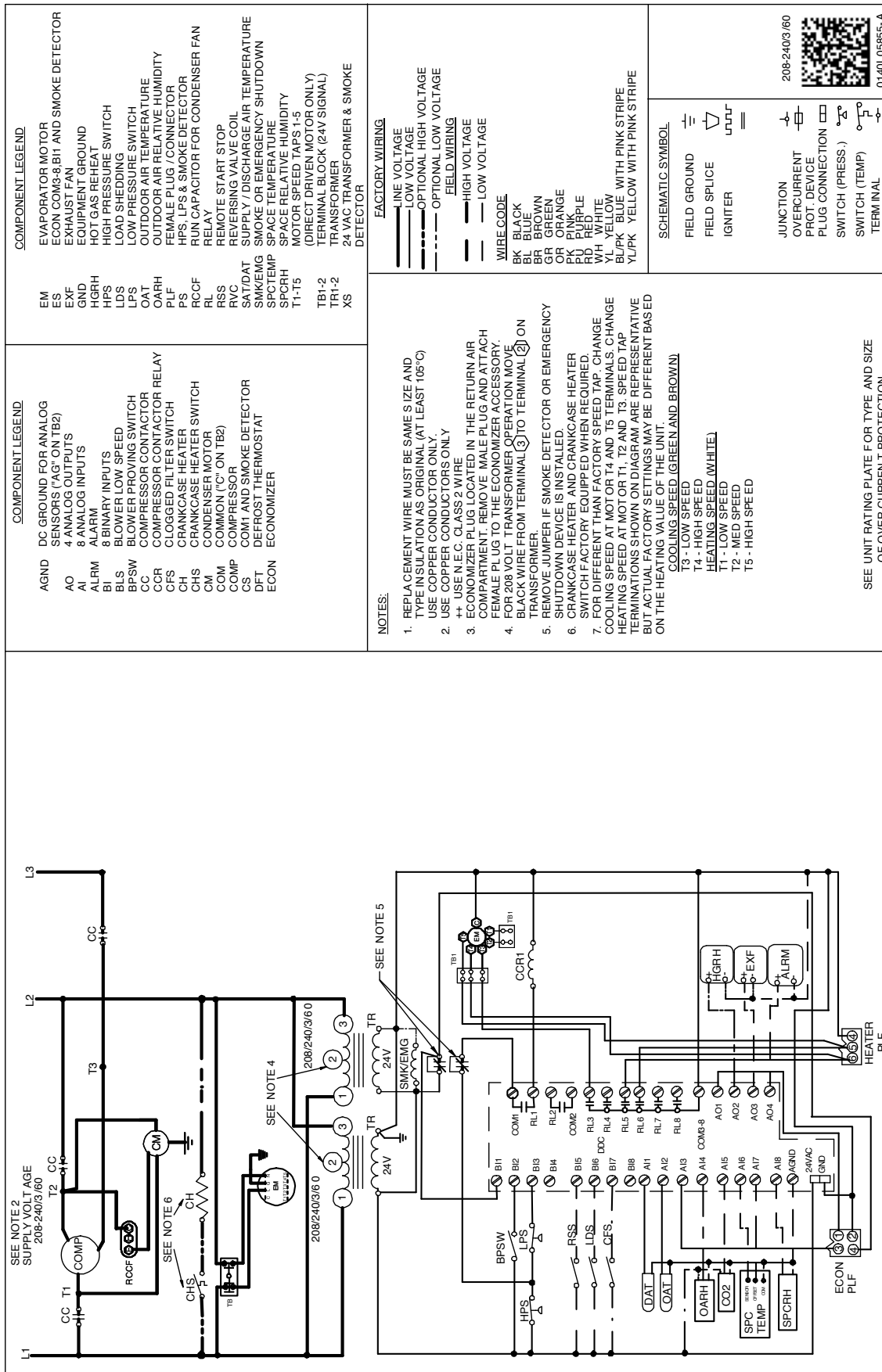
208-240/3/60

0140L05815-A

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.

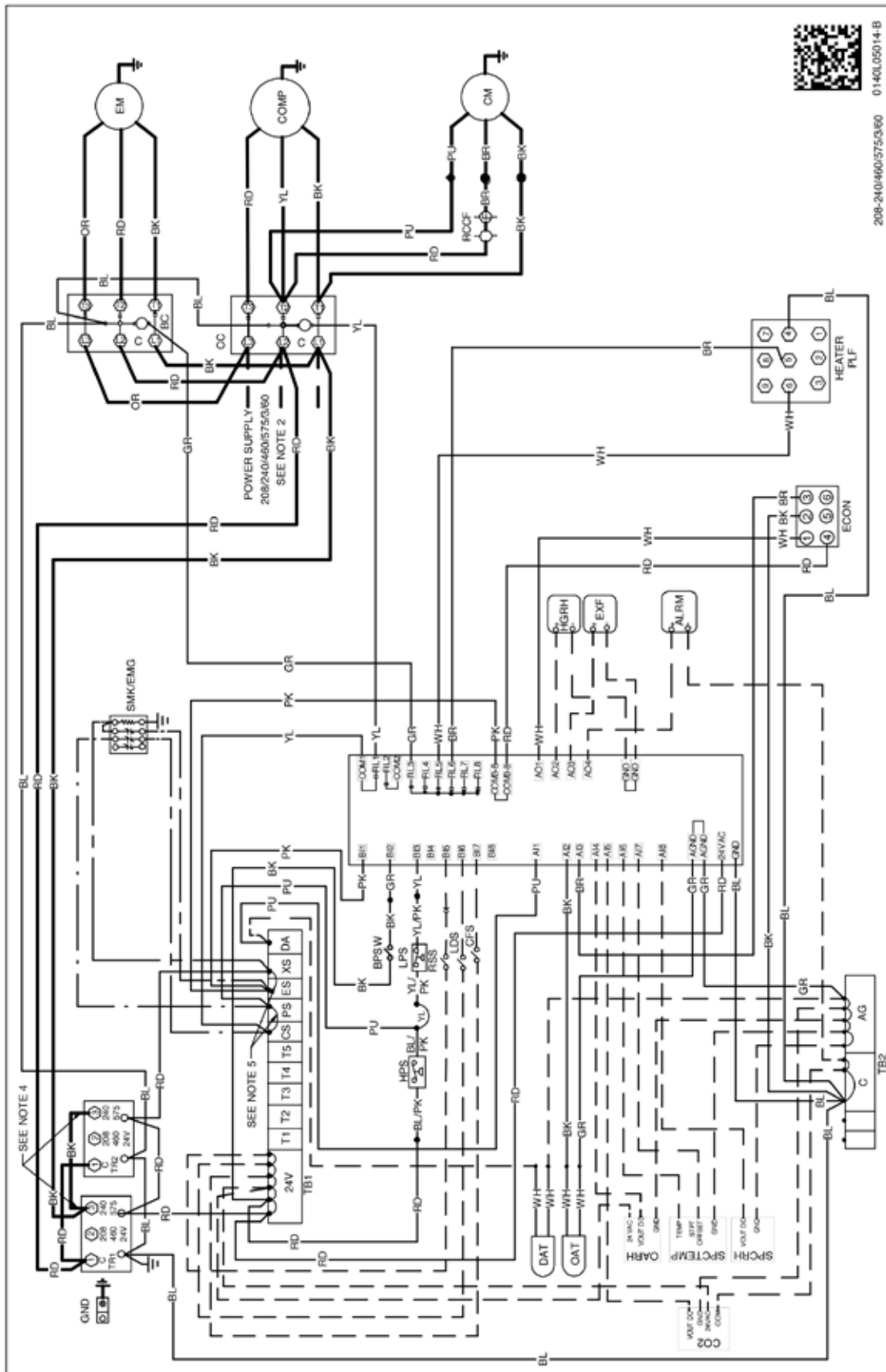


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



WARNING

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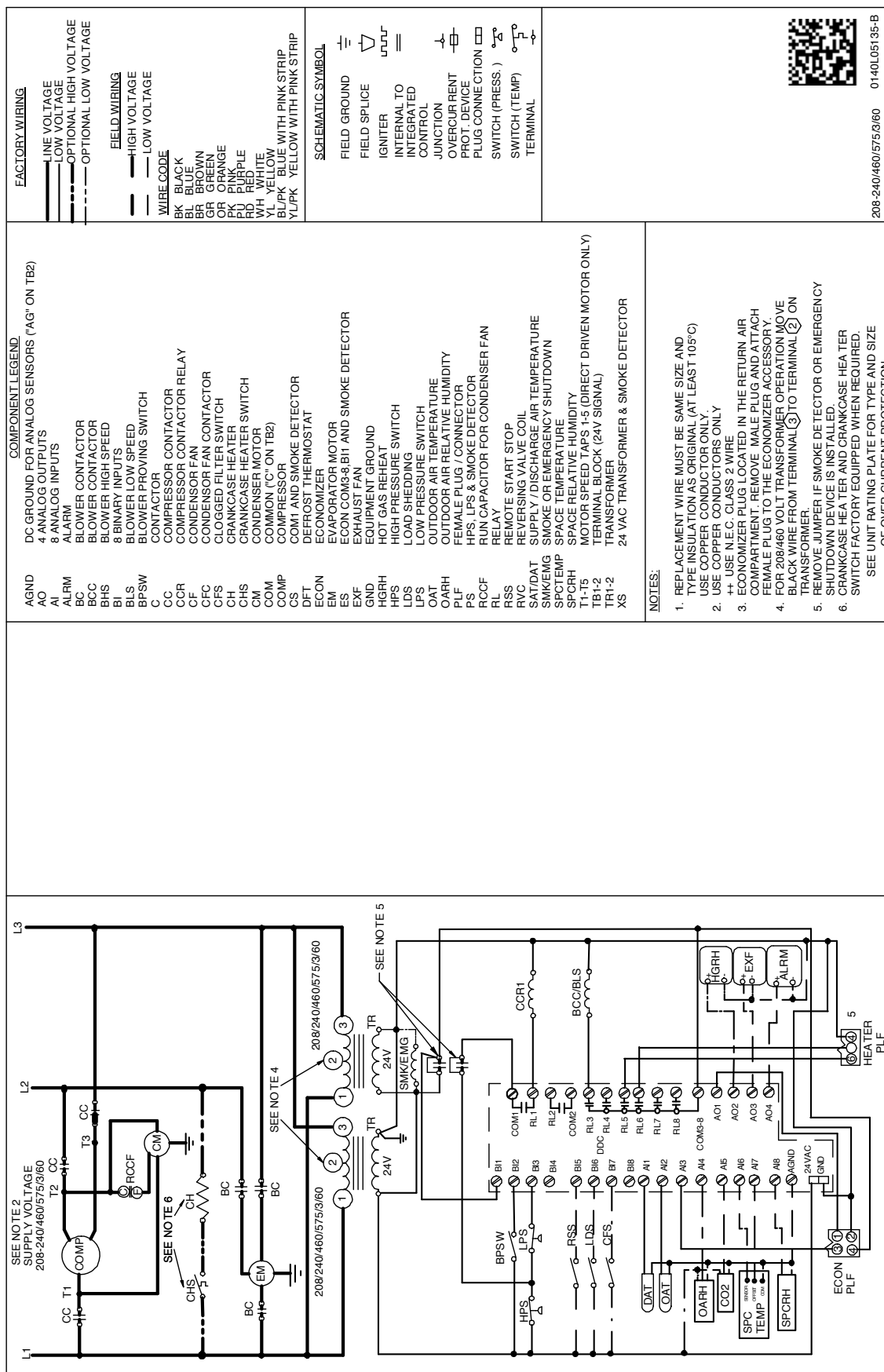


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



WARNING

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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.

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

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
	Curb				
14CURB3672B	14" Roof Curb	3-5 Tons	√		86
18CURB3672B	18" Roof Curb	3-5 Tons	√		100
24CURB3672B	24" Roof Curb	3-5 Tons	√		128
GHRC-3672B	Hurricane Restraint Clips	3-5 Tons	√		2
	Ultra Low-Leak Economizer & Power Exhaust¹				
10-455-09A-23	Centrifugal Power Exhaust 230v	3-5 Tons	√		60
10-455-09A-33	Centrifugal Power Exhaust 460v	3-5 Tons	√		60
01-450-02	Barometric Relief to the Horizontal Economizer	3-5 Tons	√		40
1036609C	Ultra Low-Leak Downflow Economizer w/ Enthalpy	3-5 Tons	√	√	71
10-396-09	Ultra Low-Leak Horizontal Economizer w/ Enthalpy	3-5 Tons	√		71
10-465-09B-21	Prop Power Exhaust 230v	3-5 Tons	√		55
10-465-09B-31	Prop Power Exhaust 460v	3-5 Tons	√		55
10-465-09B-41	Prop Power Exhaust 575v	3-5 Tons	√		55
	Low-Leak Economizer & Power Exhaust²				
DDNECNJ3672C	Low-Leak Downflow Economizer	3-5 Tons	√	√	82
DPE36722	Downflow Power Exhaust (208/230 Volt)	3-5 Tons	√		55
DPE36724	Downflow Power Exhaust (460 Volt)	3-5 Tons	√		55
DPE36727	Downflow Power Exhaust (575v)	3-5 Tons	√		55
DINHJ3672B	Horizontal Economizer, Internally Mounted	3-5 Tons	√		90
DHZECNJ3672	Horizontal Economizer	3-5 Tons	√		70
DHPE36722	Horizontal Power Exhaust (208/230 Volt)	3-5 Tons	√		55
DHPE36724	Horizontal Power Exhaust (460 Volt)	3-5 Tons	√		55
DHPE36727	Horizontal Power Exhaust (575 Volt)	3-5 Tons	√		55
	Downflow Accessories				
D25FD3672	25% Manual Fresh Air Damper	3-5 Tons	√		12
D25MFD3672	25% Motorized Fresh Air Damper	3-5 Tons	√		16
DNBBS3672B	Burglar Bar Sleeves with Supply & Return	3-5 Tons	√		30
DDNECNJ3672NR	Downflow Economizer2 w/o Barometric Relief	3-5 Tons	√		77
DDNSQRD3616	Downflow Square-to-Round Adapter (16" Round)	3 tons	√		45
DDNSQRD487218	Downflow Square-to-Round Adapter (18" Round)	4-5 tons	√		35
	Horizontal Accessories				
DBRD3672	Barometric Relief Damper	3-5 Tons	√		15
	Concentrics				
CDK36	Concentric Duct Kit	3 Ton	√		27
CDK36515	Flush Mount Concentric Duct Kit w/ Filter	3 Ton	√		28
CDK36530	Step Down Concentric Duct Kit	3 Ton	√		27
CDK36535	Step Down Concentric Duct Kit w/ Filter	3 Ton	√		28
CDK4872	Concentric Duct Kit	4-5 Ton	√		27
CDK4872515	Flush Mount Concentric Duct Kit w/ Filter	4-5 Ton	√		28
CDK4872530	Step Down Concentric Duct Kit	4-5 Ton	√		27
CDK4872535	Step Down Concentric Duct Kit w/ Filter	4-5 Ton	√		28

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
	DDC Accessories³				
	DDC communicating controller (built-in BACnet® MS/TP) includes Standard Room Sensor to be installed in field	3-25 Tons		✓	2
10366D09C	DDC Ultra Low-Leak Downflow Economizer	3-5 Tons	✓	✓	71
10396D09	DDC Ultra Low-Leak Horizontal Economizer	3-5 Tons	✓		71
10465DDC	Power Exhaust kit used with DDC Ultra Low-Leak Economizer	3-5 tons	✓		1
DLAKT01	Low-Ambient	3-5 Tons	✓	✓	2
LONKT01	LonWorks® card	3-25 Tons	✓		1
3PMK01	Phase Monitor (3-Phase Only)	3-5 Tons	✓	✓	2
DFSKT01	Dirty Filter Switch	3-5 Tons	✓		1
	1 phase 208-230V Electric Heat Kits				
SPKT01	Single Point Wiring Kit 1phase Heat Kits	3-5 Tons	✓	✓	3
EHK1-10	10kw 208-230v 1ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK1-15	15kw 208-230v 1ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK1-18	18kw 208-230v 1ph Electric Heat Kit	4 tons	✓	✓	21
EHK1-20	20kw 208-230v 1ph Electric Heat Kit	5 tons	✓	✓	21
	3 phase 208-230V Electric Heat Kits				
SPKT02	Single Point Wiring Kit 3phase Heat Kits	3-5 Tons	✓	✓	3
EHK3-10	10kw 208-230 3ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK3-15	15kw 208-230 3ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK3-18	18kw 208-230 3ph Electric Heat Kit	4 tons	✓	✓	21
EHK3-20	20kw 208-230 3ph Electric Heat Kit	5 tons	✓	✓	21
	3 phase 460V Electric Heat Kits				
EHK4-10	10kw 460v 3ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK4-15	15kw 460v 3ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK4-18	18kw 460v 3ph Electric Heat Kit	4 tons	✓	✓	21
EHK4-20	20kw 460v 3ph Electric Heat Kit	5 tons	✓	✓	21
	3 phase 575V Electric Heat Kits				
EHK7-10	10kw 575v 3ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK7-15	15kw 575v 3ph Electric Heat Kit	3-5 Tons	✓	✓	21
EHK7-18	18kw 575v 3ph Electric Heat Kit	4 tons	✓	✓	21
EHK7-20	20kw 575v 3ph Electric Heat Kit	5 tons	✓	✓	21
	High-Static Kits⁴				
HSKTS036	High Static Kit - 230v & 460v	DS*, 3 Ton	✓	✓	2
HSKTS048	High Static Kit - 230v & 460v	DS*, 4 Ton	✓	✓	38
HSKTS060	High Static Kit - 230v & 460v	DS*, 5 Ton	✓	✓	38
HSKTS036-7	High Static Kit - 575v	DS*, 3 Ton	✓	✓	2
HSKTS048-7	High Static Kit - 575v	DS*, 4 Ton	✓	✓	5
HSKTS060-7	High Static Kit - 575v	DS*, 5 Ton	✓	✓	38

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
Crankcase Heater Kits					
0163R00002S	40W 230V	3 tons	√		1
0163R00031	40W 460V	3 tons	√		1
0163R00032	40W 575V	3 tons	√		1
0130L00017S	70W 230V	4 - 5 tons	√		1
0130L00018S	70W 460V	4 - 5 tons	√		1
0130L00019S	70W 575V	4 - 5 tons	√		1
High Efficiency Filters					
0160L00203	High Efficiency MERV 13 Air Filter Nom. Size: 24x24x2; (Order Qty 1)	3 tons	√		2
0160L00204	High Efficiency MERV 13 Air Filter Nom. Size: 14x20x2; (Order Qty 4)	4 tons	√		4
0160L00205	High Efficiency MERV 13 Air Filter Nom. Size: 16x20x2; (Order Qty 4)	5 tons	√		4
Misc Accessories					
HAILGD03D	Condenser Coil Hail Guard	3-5 tons	√		19
	Convenience Outlet: Non Powered	3-5 tons		√	2
	Convenience Outlet: Powered	3-5 tons		√	42
	Disconnect Switch	3-5 tons		√	5
LAKT11	Low Ambient Kit, 208-230V - non-DDC	3-5 tons	√	√	14
LAKT13	Low Ambient Kit, 460V - non-DDC	3-5 tons	√	√	14
LAKT14	Low Ambient Kit, 575V - non-DDC	3-5 tons	√	√	14
3PMNDK01	Phase Monitor - Non DDC	3-5 Ton	√	√	2
	Smoke Detector (supply and/or return air)	3-5 Ton		√	11
	Hinged Panels	3-5 Ton		√	10
FSK01A	Freeze Stat Kit	3-5 Ton	√		1
IRKT-01	Isolation Relay Kit	3-5 Ton	√		2

¹ Use Economizer & Power Exhaust listed within Ultra Low-Leak section

² Use Economizer & Power Exhaust listed within Low-Leak section

³ For a full list of DDC accessories, please refer to DDC Controller Technical Guide manual (DK-DDC-TGD-01B)

⁴ HSKT High-Static Kits are for use with standard single-speed belt-drive units only.

Note: Where multiple variations are available, the heaviest combination is listed.

NOTES