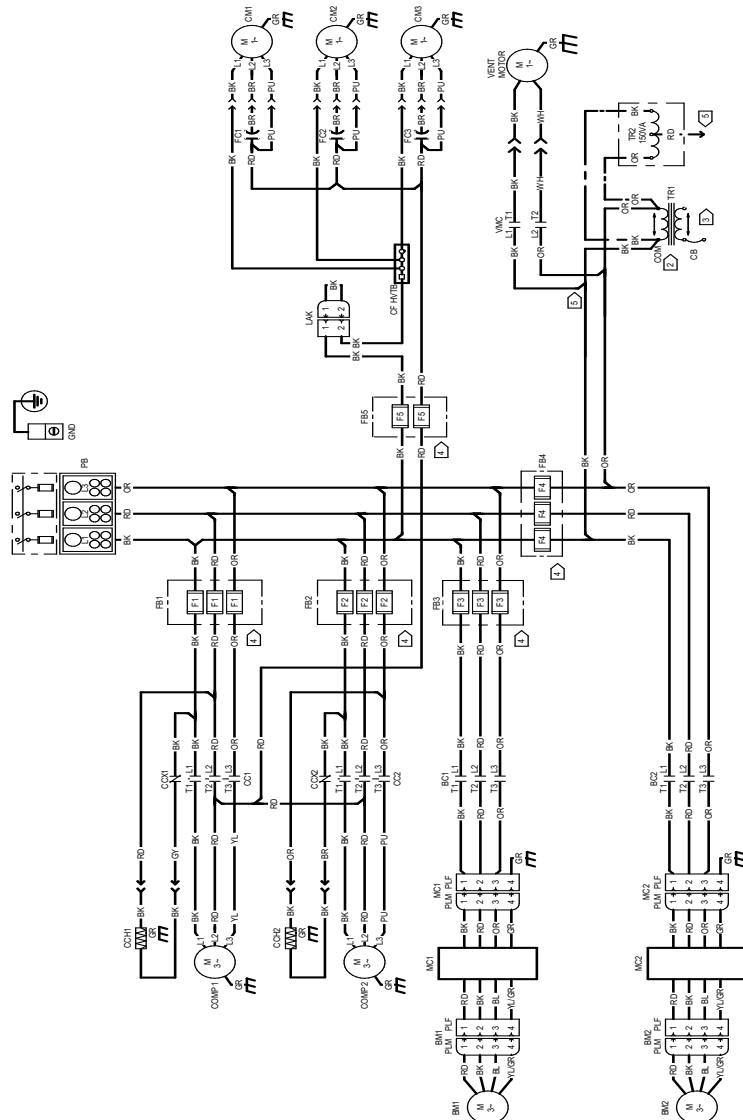


Electrical Data

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR			OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL POWERED CONVENIENCE OUTLET	OPTIONAL POWER EXHAUST	OPTIONAL POWER EXHAUST (MODULATING)	POWER SUPPLY	
		QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA	FLA	FLA	FLA	MCA	MOP
DSG2404W	460/3/60	2	13.7	130	4	0.5	1.4	2	5	10.6	-	-	-	57.6	70
											-	2.4	-	60.0	70
											-	-	8.1	65.7	70
											4.3	-	-	61.9	70
											4.3	2.4	-	64.3	70
											4.3	-	8.1	70.0	80
DSG2407D	575/3/60	2	10.9	93.7	4	0.5	1	2	3.5	5	-	-	-	38.5	45
											-	2	-	40.5	50
											-	-	8.3	46.8	50
											3.5	-	-	42.0	50
											3.5	2	-	44.0	50
											3.5	-	8.3	50.3	60
DSG2407W	575/3/60	2	10.9	93.7	4	0.5	1	2	5	7.2	-	-	-	42.9	50
											-	2	-	44.9	50
											-	-	8.3	51.2	60
											3.5	-	-	46.4	50
											3.5	2	-	48.4	50
											3.5	-	8.3	54.7	60
DSG3003D	208/230/3/60	2	35.3	270	5	0.5	2.7	2	5	14.5	-	-	-	122/122	150/150
											-	4.8	-	127/127	150/150
											-	-	13.9	136/136	150/150
											9.6/8.7	-	-	131/131	150/150
											9.6/8.7	4.8	-	136/135	150/150
											9.6/8.7	-	13.9	145/144	175/175
DSG3003W	208/230/3/60	2	35.3	270	5	0.5	2.7	2	5	14.5	-	-	-	122/122	150/150
											-	4.8	-	127/127	150/150
											-	-	13.9	136/136	150/150
											9.6/8.7	-	-	131/131	150/150
											9.6/8.7	4.8	-	136/135	150/150
											9.6/8.7	-	13.9	145/144	175/175
DSG3004D	460/3/60	2	20.5	147	5	0.5	1.4	2	5	10.6	-	-	-	74.3	90
											-	2.4	-	76.7	90
											-	-	8.1	82.4	100
											4.3	-	-	78.6	90
											4.3	2.4	-	81.0	100
											4.3	-	8.1	86.7	100
DSG3004W	460/3/60	2	20.5	147	5	0.5	1.4	2	5	10.6	-	-	-	74.3	90
											-	2.4	-	76.7	90
											-	-	8.1	82.4	100
											4.3	-	-	78.6	90
											4.3	2.4	-	81.0	100
											4.3	-	8.1	86.7	100
DSG3007D	575/3/60	2	13.8	109	5	0.5	1	2	5	7.2	-	-	-	50.4	60
											-	2	-	52.4	60
											-	-	8.3	58.7	70
											3.5	-	-	53.9	60
											3.5	2	-	55.9	60
											3.5	-	8.3	62.2	70
DSG3007W	575/3/60	2	13.8	109	5	0.5	1	2	5	7.2	-	-	-	50.4	60
											-	2	-	52.4	60
											-	-	8.3	58.7	70
											3.5	-	-	53.9	60
											3.5	2	-	55.9	60
											3.5	-	8.3	62.2	70

POWER WIRING DIAGRAM
DSG180™

LINE VOLTAGE:
208-230/460/575/3PH/60HZ



THE EXISTING BLOCK UNIT TERMINAL CONTROL WIRE SHOULD BE ADAPTED TO
REPAIRING THIS WIRING. THE WIRING CODES ARE AS FOLLOWS:

WIRE CODE	WIRE COLOR	WIRE FUNCTION
CM1	BLACK	COMPRESSOR 1
CM2	RED	COMPRESSOR 2
CM3	GREEN	COMPRESSOR 3
FM	BLUE	FAN MOTOR
CF	BROWN	CONDENSER FAN MOTOR
VM	ORANGE	VENT MOTOR
F1	BLACK	CIRCUIT BREAKER
F2	RED	FUSE BLOCK
F3	GREEN	FUSE BLOCK
F4	BLUE	FUSE BLOCK
F5	BROWN	FUSE BLOCK
F6	ORANGE	FUSE BLOCK
F7	PINK	FUSE BLOCK
F8	RED	FUSE BLOCK
F9	TAN	FUSE BLOCK
F10	WHITE	FUSE BLOCK
F11	YELLOW	FUSE BLOCK
F12	YELLOW WITH GREEN STRIPE	FUSE BLOCK
F13	YELLOW WITH PINK STRIPE	FUSE BLOCK

COMPONENT LEGEND

BC	BLOWER MOTOR
BM	BLUVER MOTOR
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
CC1	COMPRESSOR CONTACTOR 1
CC2	COMPRESSOR CONTACTOR 2
CC3	COMPRESSOR CONTACTOR 3
CF	CONDENSER FAN MOTOR
CF1	CONDENSER FAN MOTOR 1
CF2	CONDENSER FAN MOTOR 2
CF3	CONDENSER FAN MOTOR 3
CF4	CONDENSER FAN MOTOR 4
CF5	CONDENSER FAN MOTOR 5
CF6	CONDENSER FAN MOTOR 6
CF7	CONDENSER FAN MOTOR 7
CF8	CONDENSER FAN MOTOR 8
CF9	CONDENSER FAN MOTOR 9
CF10	CONDENSER FAN MOTOR 10
CF11	CONDENSER FAN MOTOR 11
CF12	CONDENSER FAN MOTOR 12
CF13	CONDENSER FAN MOTOR 13
CF14	CONDENSER FAN MOTOR 14
CF15	CONDENSER FAN MOTOR 15
CF16	CONDENSER FAN MOTOR 16
CF17	CONDENSER FAN MOTOR 17
CF18	CONDENSER FAN MOTOR 18
CF19	CONDENSER FAN MOTOR 19
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CF92	CONDENSER FAN MOTOR 92
CF93	CONDENSER FAN MOTOR 93
CF94	CONDENSER FAN MOTOR 94
CF95	CONDENSER FAN MOTOR 95
CF96	CONDENSER FAN MOTOR 96
CF97	CONDENSER FAN MOTOR 97
CF98	CONDENSER FAN MOTOR 98
CF99	CONDENSER FAN MOTOR 99
CF100	CONDENSER FAN MOTOR 100

WIRE CODE

BK	BLACK
BL	BLUE
BLK	BLACK WITH PINK STRIPE
BR	BROWN
BRN	BROWN
GY	GRAY
OR	ORANGE
PK	PINK
RD	RED
TN	TAN
WH	WHITE
YL	YELLOW
YLGR	YELLOW WITH GREEN STRIPE
YLPK	YELLOW WITH PINK STRIPE

FACTORY WIRING

---	HIGH VOLTAGE
---	LOW VOLTAGE
---	OPTIONAL LOW VOLTAGE
---	CHASSIS GROUND

NOTES

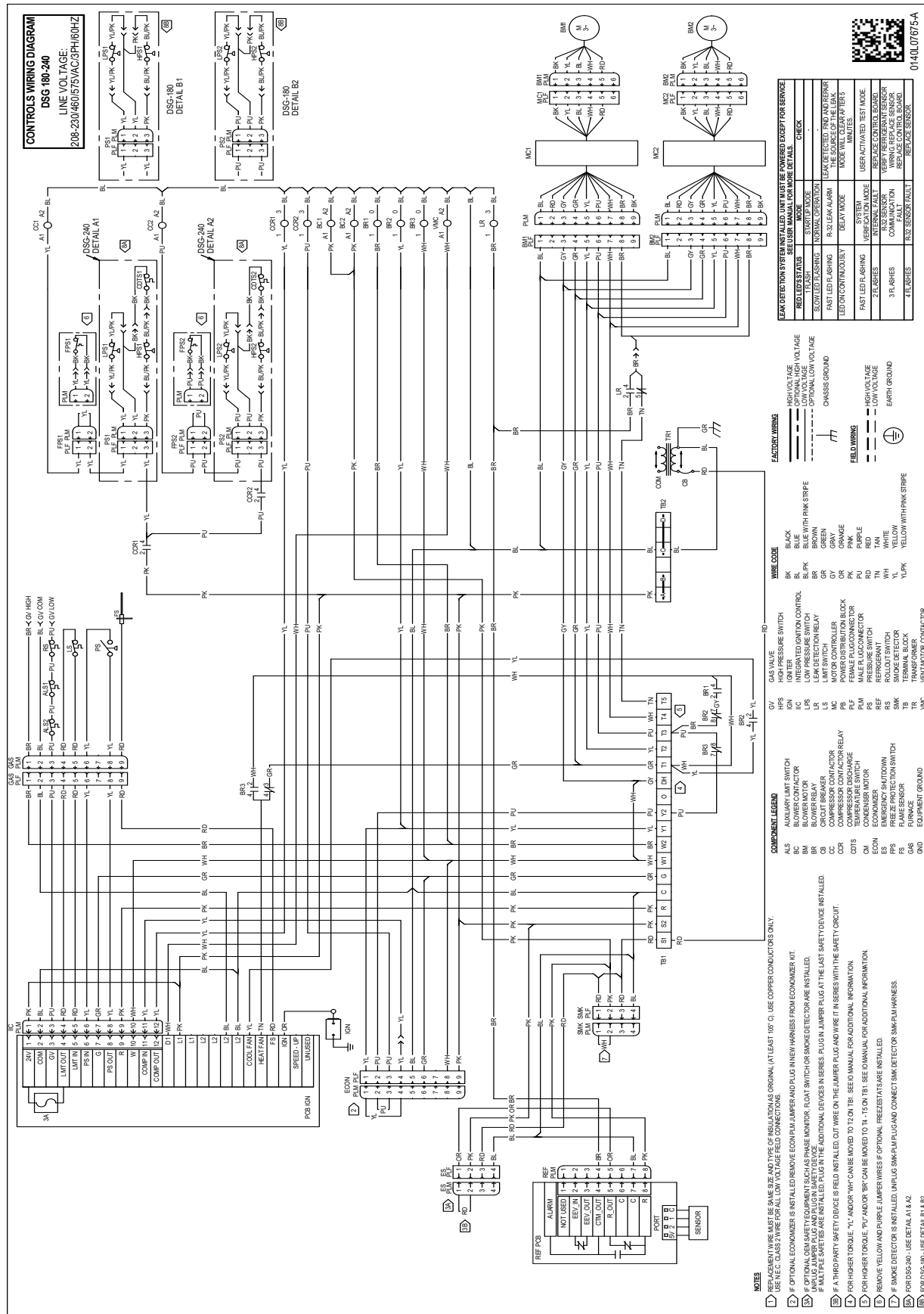
- REPAIRMENT WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. AT LEAST 10'S C USE COPPER CONDUCTORS ONLY.
- THE WIRE CROSS SECTION SHALL BE FOLLOWED FOR ALL WIRING CONNECTIONS.
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WARNING

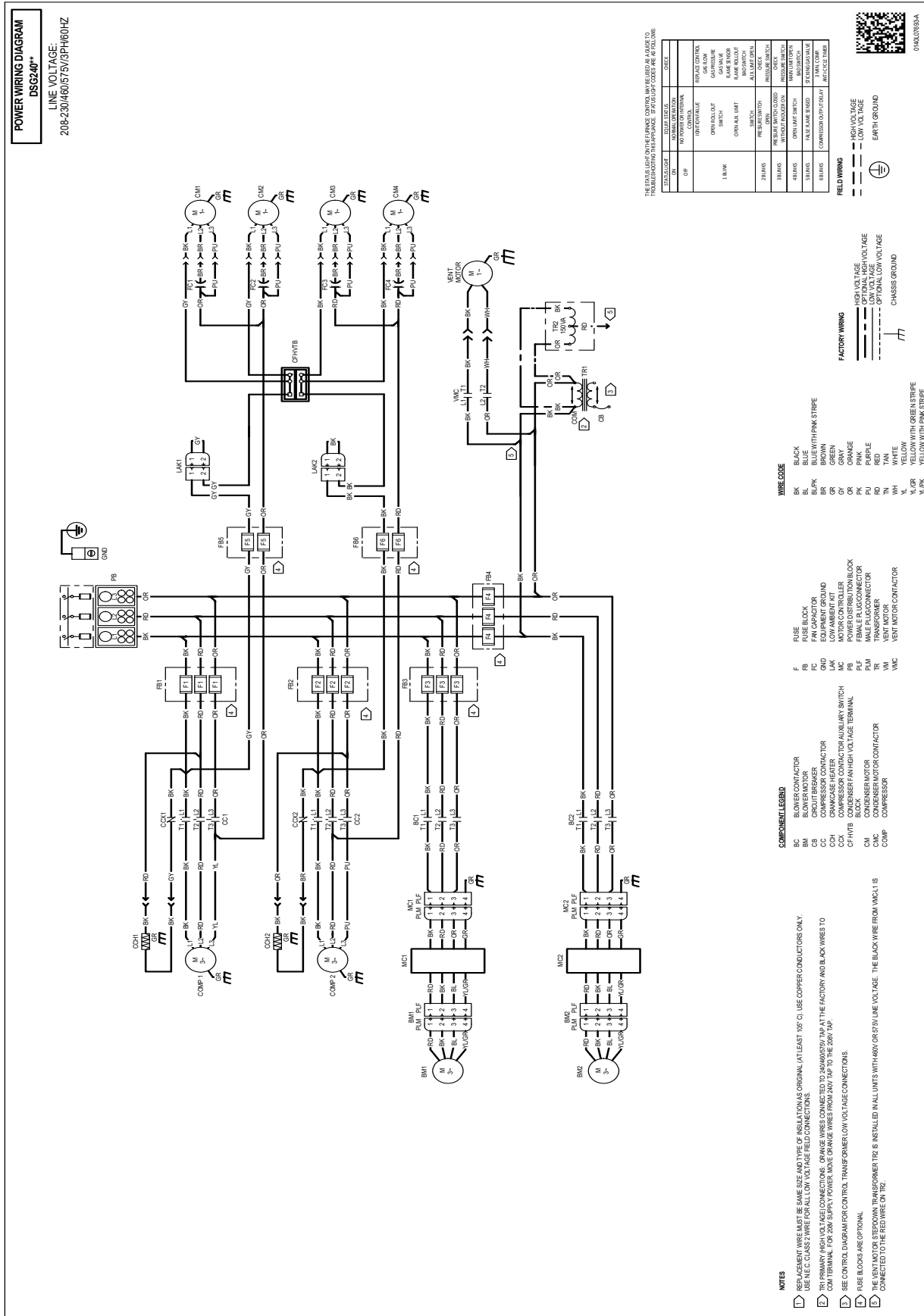
High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

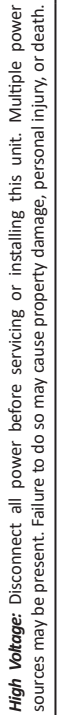
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



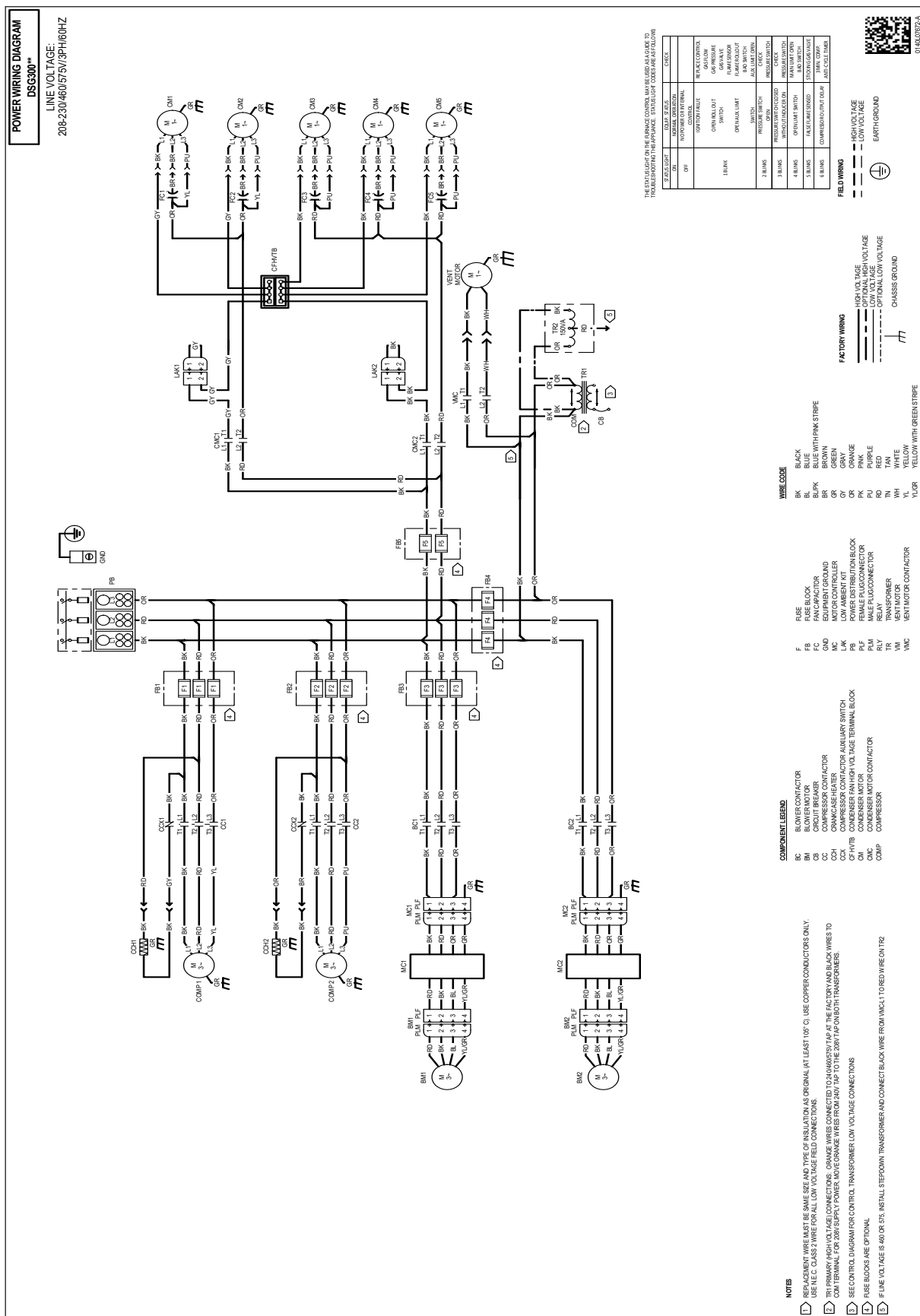
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

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.





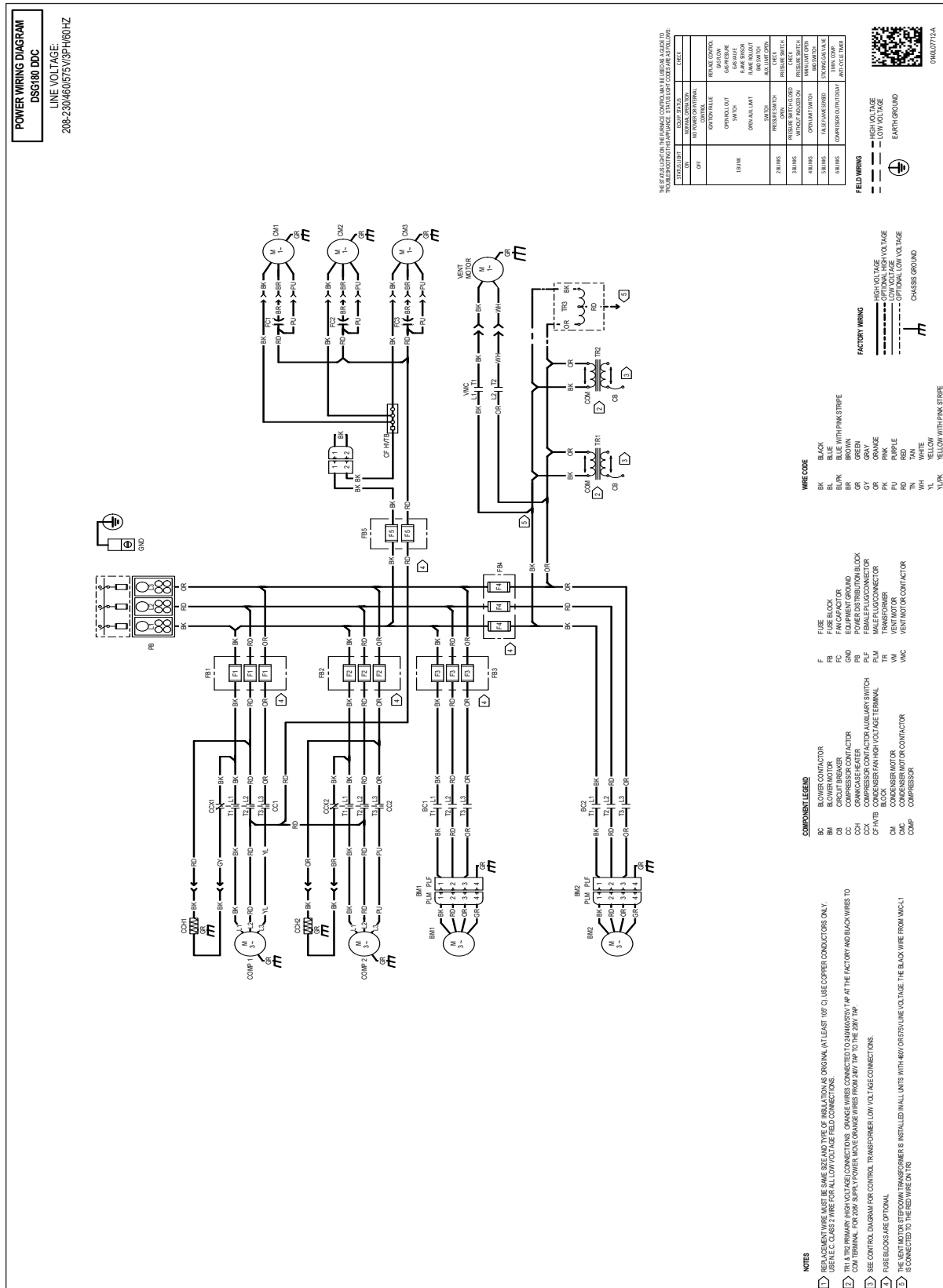
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

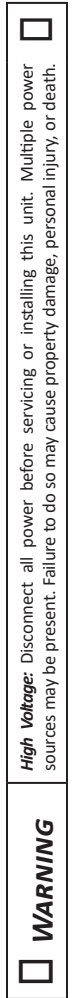


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

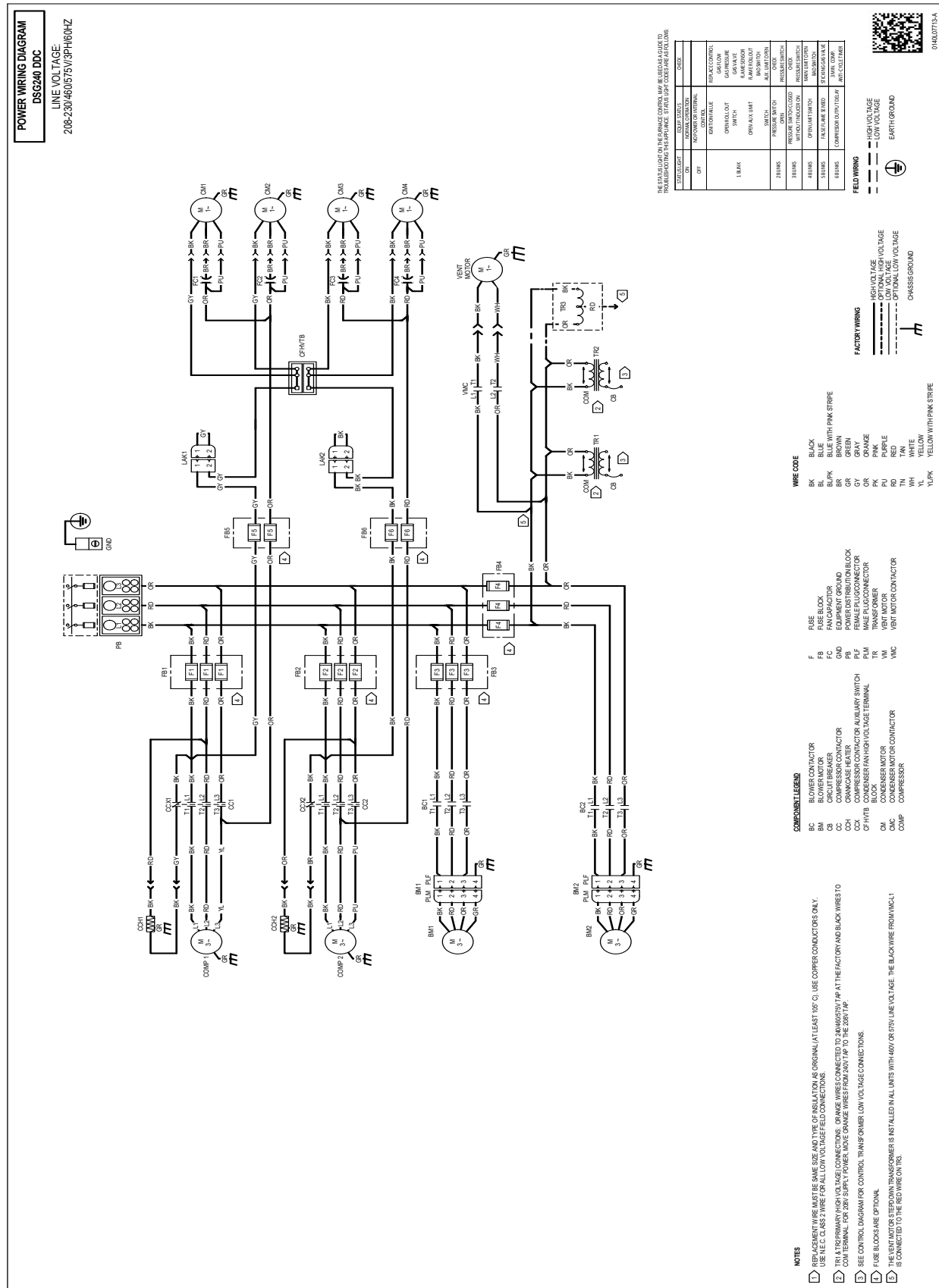
WARNING

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.





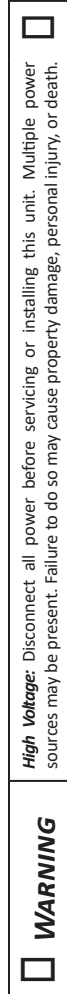
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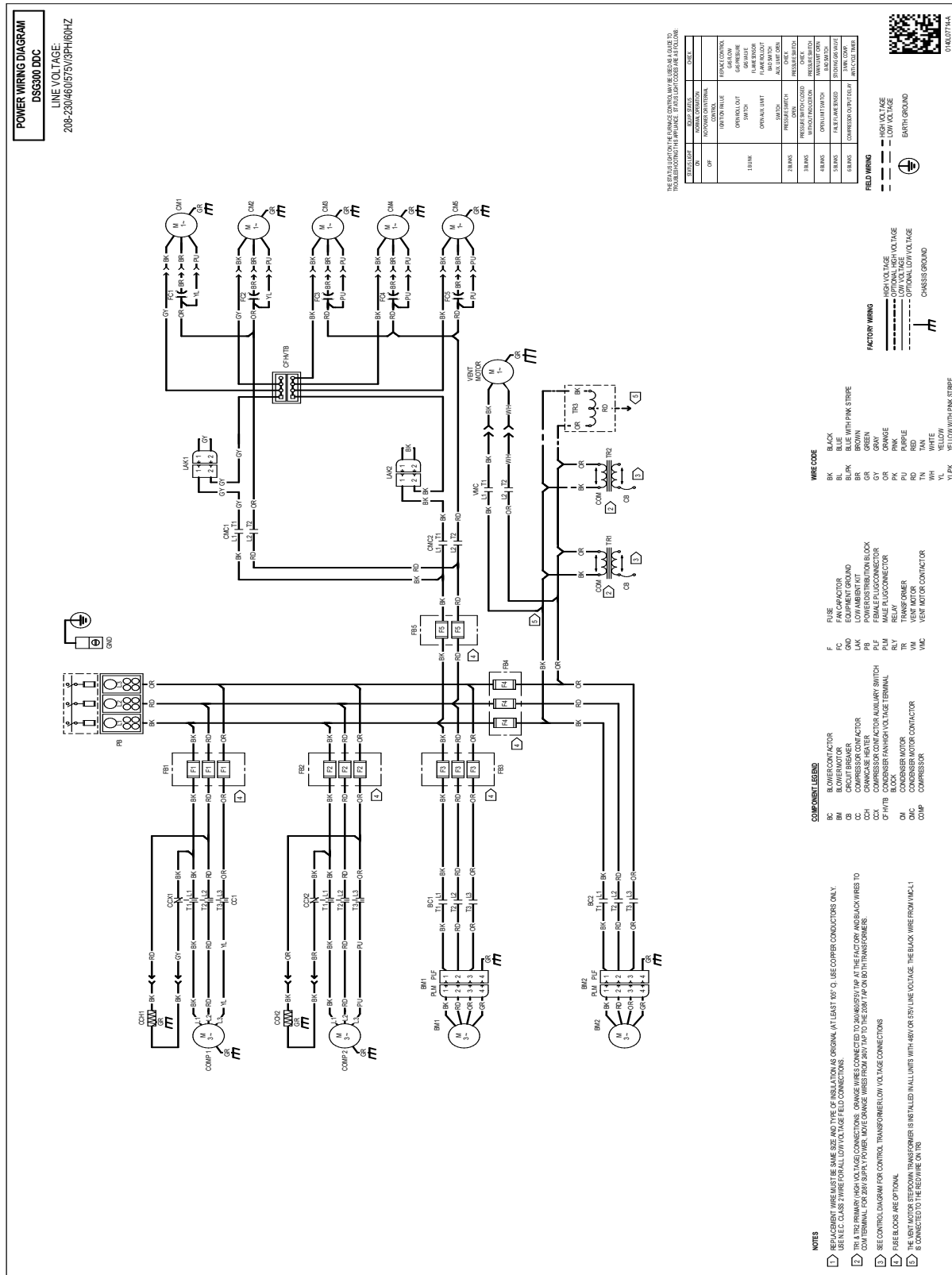
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

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.



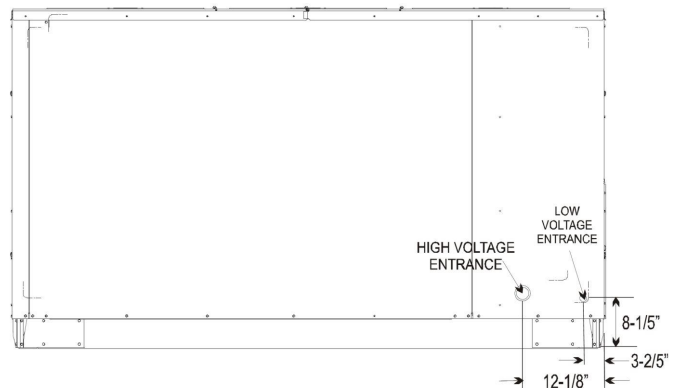
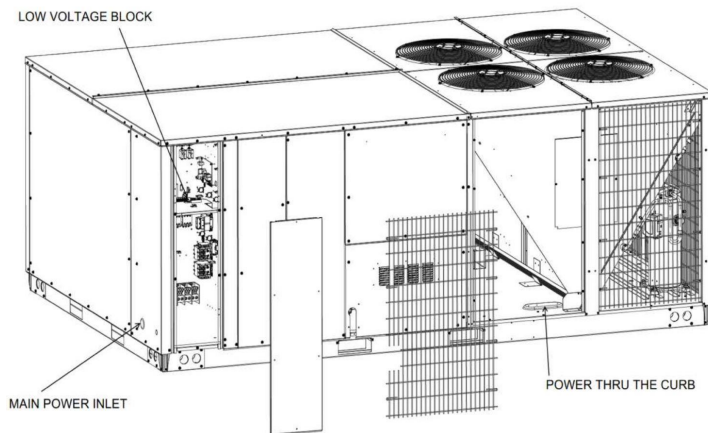
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



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WARNING

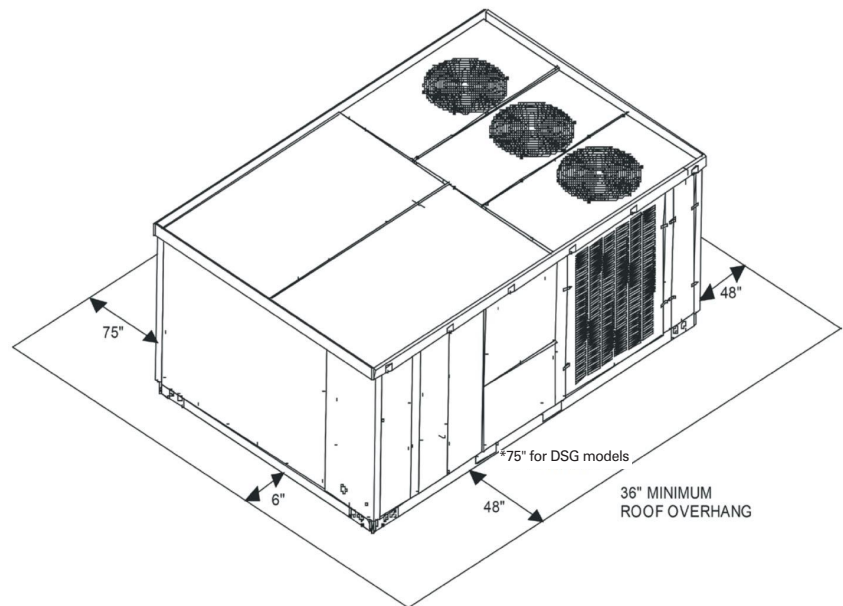
High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



Unit Clearances

Service Clearance

Allow for recommended service clearances as shown in the image to the right. In situations that have multiple units, a 36" minimum clearance is required between the condenser coils. A clearance of 48" is recommended on all sides of the unit to allow service access and to ensure proper ventilation and condenser airflow. The top of the unit should be unobstructed. Provide a roof walkway along the sides of the unit for service and access to controls and components. Contact your Daikin sales representative for service requirements less than those recommended.



Unit Location

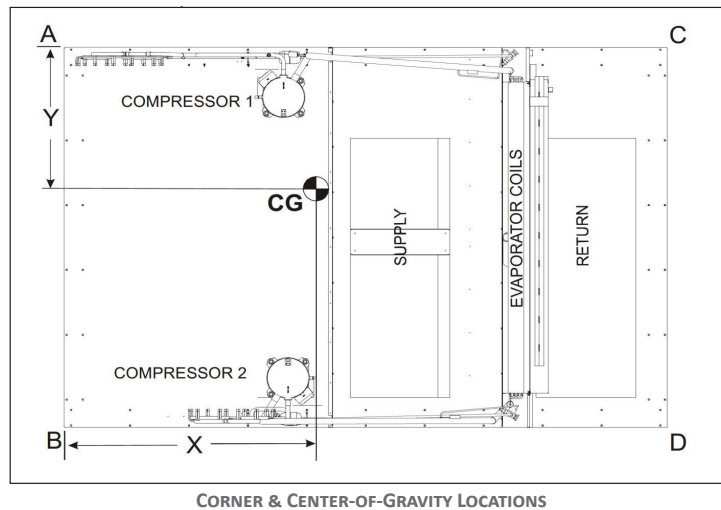
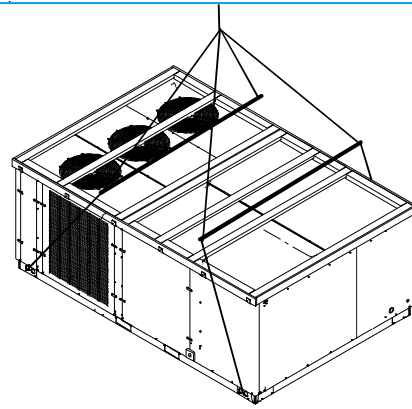
The structural engineer must verify that the roof has adequate support and ability to minimize deflection. Take extreme caution when using on a wooden roof structure. Unit condenser coils should be in a location that avoids any heated exhaust air. Allow sufficient space around the unit for maintenance/service clearance. Consult your Daikin sales representative if available clearances do not meet minimum recommendations.

Where code considerations, such as the NEC, require extended clearances, these take precedence.

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. 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.



CORNER & CENTER-OF-GRAVITY LOCATIONS

Roof Curb Installation

The roof curb is field-assembled and must be installed level (within 1/16" per foot side to side). A sub-base must be constructed by the contractor in applications involving pitched roofs. Gaskets are furnished and must be installed between the unit and curb. For proper installation, follow NRCA guidelines. In applications requiring post and rail installation, an I-beam securely mounted on multiple posts should support the unit on each side. In addition, the insulation on the underside of the unit should be protected from the elements. Applications in geographic areas subjected to seismic or hurricane conditions must meet code requirements for fastening the unit to the curb and the curb to the building structure. For further and more detailed information please refer to our Daikin Light Commercial Packaged unit IOD.

Weights

MODEL	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CORNER WEIGHTS (LBS)				LENGTH X (IN)	WIDTH Y (IN)
			A	B	C	D		
DSG1803DL00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1803DM00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1803DH00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1804DL00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1804DM00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1804DH00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1807DL00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1807DM00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG1807DH00001S	2037	1922	479	487	511	445	66 ² / ₅	45 ² / ₇
DSG2403DL00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2403DM00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2403DH00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2404DL00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2404DM00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2404DH00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2407DL00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2407DM00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG2407DH00001S	2290	2175	620	608	514	533	63 ⁵ / ₇	46
DSG3003DL00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3003DM00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3003DH00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3004DL00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3004DM00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3004DH00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3007DL00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3007DM00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉
DSG3007DH00001S	2431	2316	620	611	577	508	62 ² / ₇	45 ⁸ / ₉

For details on accessories refer to document **PM-LC-ACCESSORIES**

Notes

Notes

Our continuing commitment to quality products may mean a change in specifications without notice.
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