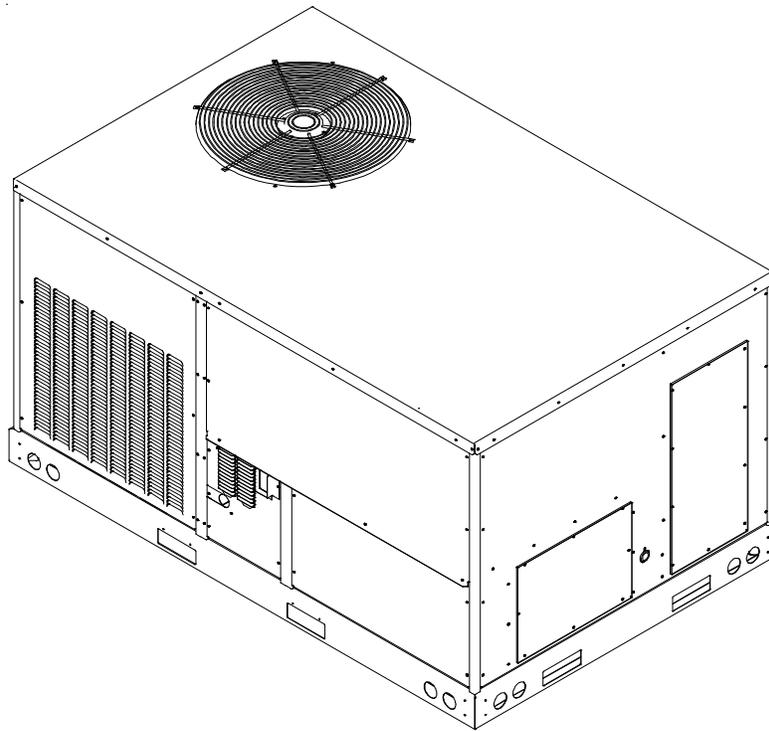


# DSG SERIES

## 3 TO 5 TON LIGHT COMMERCIAL PACKAGED GAS UNIT WIRING DIAGRAM SUPPLEMENT FOR DSG MODELS WITH DDC CONTROLS

*For complete information and installation instructions for models with DDC controls,  
see manual DK-DDC-TGD-01\*.*



**RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.**

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



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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.

**FACTORY WIRING**

— LINE VOLTAGE  
— OPTIMAL HIGH VOLTAGE  
- - - - - OPTIONAL LOW VOLTAGE

**FIELD WIRING**

— HIGH VOLTAGE  
— LOW VOLTAGE

**WIRE CODE**

BK BLACK  
BR BROWN  
GR GREEN  
OR ORANGE  
PK PINK  
PU PURPLE  
RD RED  
WH WHITE  
YL YELLOW  
BL/PK BLUE WITH PINK STRIP  
YL/PK YELLOW WITH PINK STRIP

**SCHEMATIC SYMBOL**

FIELD GROUND  
FIELD SPUCE  
IGNITER  
INTERNAL TO INTEGRATED CONTROL  
JUNCTION  
OVERCURRENT PROTECTIVE DEVICE  
PLUG CONNECTION  
SWITCH (PRESS.)  
SWITCH (TEMP)  
TERMINAL

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

0140L05133-A  
208-240/3/60

**COMPONENT LEGEND**

AGND DC GROUND FOR ANALOG SENSORS ('AG' ON TB2)  
ALM ALARM  
BC BLOWER CONTACTOR  
BCC BLOWER CONTACTOR  
BHS BLOWER HIGH SPEED  
BIL 8 BINARY INPUTS  
BLS BLOWER LOW SPEED  
BPSW BLOWER PROVING SWITCH  
C COMPRESSOR CONTACTOR  
CCR COMPRESSOR CONTACTOR RELAY  
CF CONDENSOR FAN  
CFC CONDENSOR FAN CONTACTOR  
CFS CLOGGED FILTER SWITCH  
CHR CRANKCASE HEATER  
CHS CRANKCASE HEATER RELAY  
CM CRANKCASE HEATER SWITCH  
COM COMMON ('C' ON TB2)  
COMP COMPRESSOR  
CS COM1 AND SMOKE DETECTOR  
CT DEFROST THERMOSTAT  
ECON ECONOMIZER  
EM EVAPORATOR MOTOR  
ES ECON COMS 8 AND SMOKE DETECTOR  
EXF EXHAUST FAN  
GND EQUIPMENT GROUND  
HGRH HOT GAS REHEAT  
HPS HIGH PRESSURE SWITCH  
LDS LOAD SHEDDING  
LPS LOW PRESSURE SWITCH  
OAT OUTDOOR AIR TEMPERATURE  
OARH OUTDOOR AIR RELATIVE HUMIDITY  
PLF FEMALE PLUG / CONNECTOR  
RCS R/C SMOKE DETECTOR  
RLC RUN CAPACITOR FOR CONDENSER FAN  
RLL REVERSE START STOP  
RSS REVERSING VALVE COIL  
RVC SUPPLY / DISCHARGE AIR TEMPERATURE  
SAT/DAT SMK/EMG SMOKE OR EMERGENCY SHUTDOWN  
SPCTEMP SPACE TEMPERATURE  
SPCRH SPACE RELATIVE HUMIDITY  
T1-T5 MOTOR SPEED TAPS 1-5 (DIRECT DRIVEN MOTOR ONLY)  
TB1-2 TERMINAL BLOCK (24V SIGNAL)  
TR1-2 TRANSFORMER  
XS 24 VAC TRANSFORMER & SMOKE DETECTOR

**NOTES:**

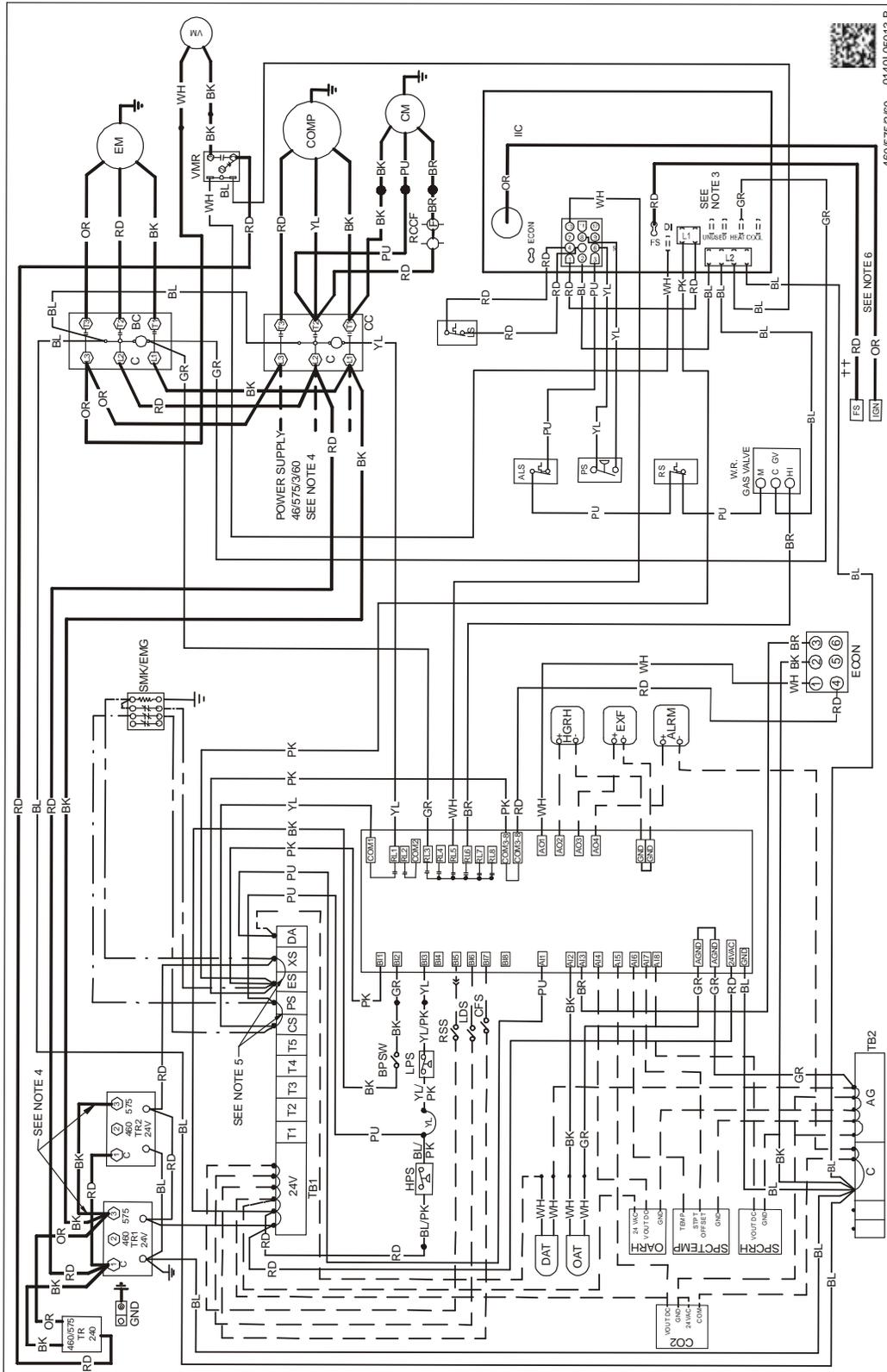
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
- USE COPPER CONDUCTORS ONLY.
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY COMPARTMENT. (SEE RETURN AIR COMPARTMENT FOR BLACK WIRE FROM TERMINAL (C) TO TERMINAL (C) ON TRANSFORMER.
- REMOVE JUMPER IF SMOKE DETECTOR OR EMERGENCY SHUTDOWN DEVICE IS INSTALLED.
- CRANKCASE HEATER AND CRANKCASE HEATER SHUTDOWN DEVICE EQUIPPED WHEN REQUIRED.

SEE NOTE 5

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**

**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.**



**FACTORY WIRING**

— LINE VOLTAGE  
 — LOW VOLTAGE  
 - - - OPTIONAL HIGH VOLTAGE  
 - - - OPTIONAL LOW VOLTAGE

**FIELD WIRING**

— HIGH VOLTAGE  
 - - - LOW VOLTAGE

**WIRE CODE**

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

BL/PK BLUE WITH PINK STRIP  
 YL/PK YELLOW WITH PINK STRIP

**SCHEMATIC SYMBOL**

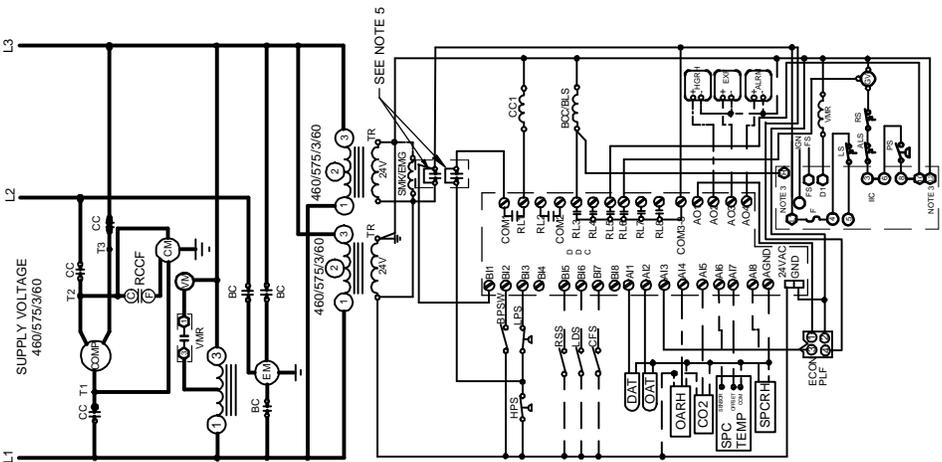
FIELD GROUND  
 FIELD SPICE  
 IGNITER  
 INTERNAL TO INTEGRATED CONTROL  
 JUNCTION  
 OVERCURRENT PROT. DEVICE  
 PLUG CONNECTION  
 SWITCH (PRESS.)  
 SWITCH (TEMP)  
 TERMINAL

**COMPONENT LEGEND**

DC GROUND FOR ANALOG SENSORS ('AG' ON TB2)  
 8 ANALOG INPUTS  
 ALARM  
 BLOWER CONTACTOR  
 BLOWER HIGH SPEED  
 8 BINARY INPUTS  
 BLOWER LOW SPEED  
 BLOWER PROVING SWITCH  
 CONTACTOR  
 COMPRESSOR CONTACTOR RELAY  
 CONDENSOR FAN  
 CONDENSOR FAN CONTACTOR  
 CONDENSOR FAN SWITCH  
 CRANKCASE HEATER  
 CRANKCASE HEATER RELAY  
 CRANKCASE HEATER SWITCH  
 CONDENSER MOTOR  
 COMMON ('C' ON TB2)  
 COMPRESSOR  
 CS  
 COM1 AND SMOKE DETECTOR  
 DEFROST THERMOSTAT  
 ECONOMIZER  
 EVAPORATOR MOTOR  
 ECON COMB38 AND SMOKE DETECTOR  
 ES  
 EXHAUST FAN GROUND  
 GND  
 HGRH  
 HOT GAS HEAT  
 HIGH PRESSURE SWITCH  
 LOAD SHEDDING  
 LPS  
 LOW PRESSURE SWITCH  
 OAT  
 OUTDOOR AIR RELATIVE HUMIDITY  
 OARH  
 OUTDOOR AIR RELATIVE HUMIDITY  
 PLF  
 FEMALE PLUG / CONNECTOR  
 PS  
 HPS, LPS & SMOKE DETECTOR  
 RCOF  
 RUN CAPACITOR FOR CONDENSER FAN RELAY  
 RL  
 REMOTE START STOP  
 REVISING VALVE COIL  
 RVS  
 SMOKE DETECTOR  
 SMOKE DISCHARGE TEMPERATURE  
 SMOKE OPERATING SHUTDOWN  
 SPCTEMP  
 SPACE TEMPERATURE  
 SPCRH  
 SPACE RELATIVE HUMIDITY  
 T1-T5  
 MOTOR SPEED TAPS 1-5 (DIRECT DRIVEN MOTOR ONLY)  
 TB1-2  
 TRANSFORMER  
 TR1-2  
 24 VAC TRANSFORMER & SMOKE DETECTOR  
 XS

**NOTES:**

- REPLACE WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY
- USE COPPER CONDUCTORS ONLY
- ++ USE N.E.C. CLASS 2 WIRE
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
- FOR 460 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.
- REMOVE JUMPER IF SMOKE DETECTOR OR EMERGENCY STOP IS USED. USE 1/8" DIA. COPPER WIRE.
- CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.



Wiring diagram showing supply voltage (L1, L2, L3), components like compressor, fan, heater, and various sensors with their terminal connections.

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



460/575/3/60 0140L05134-A

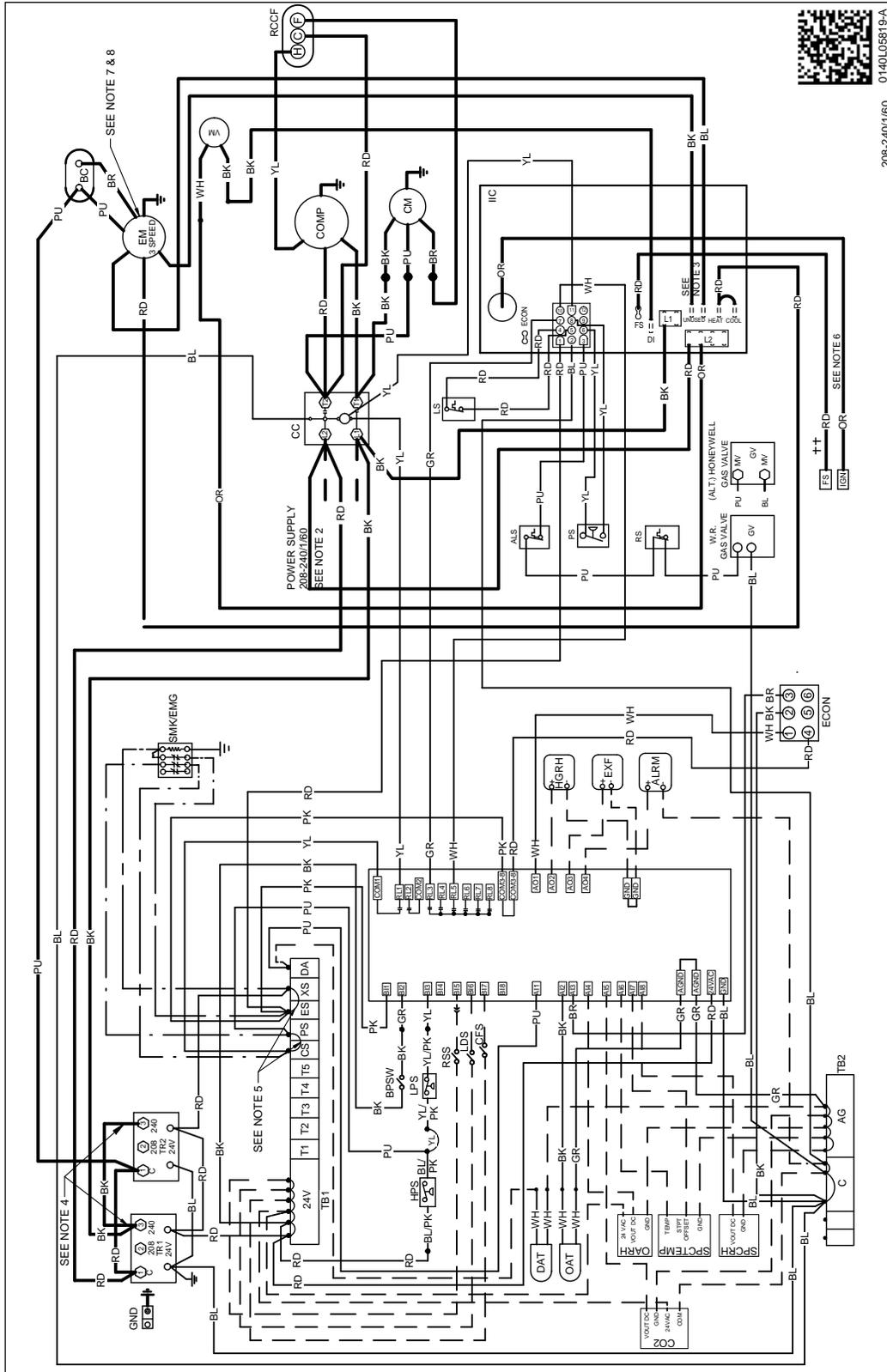
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



**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.



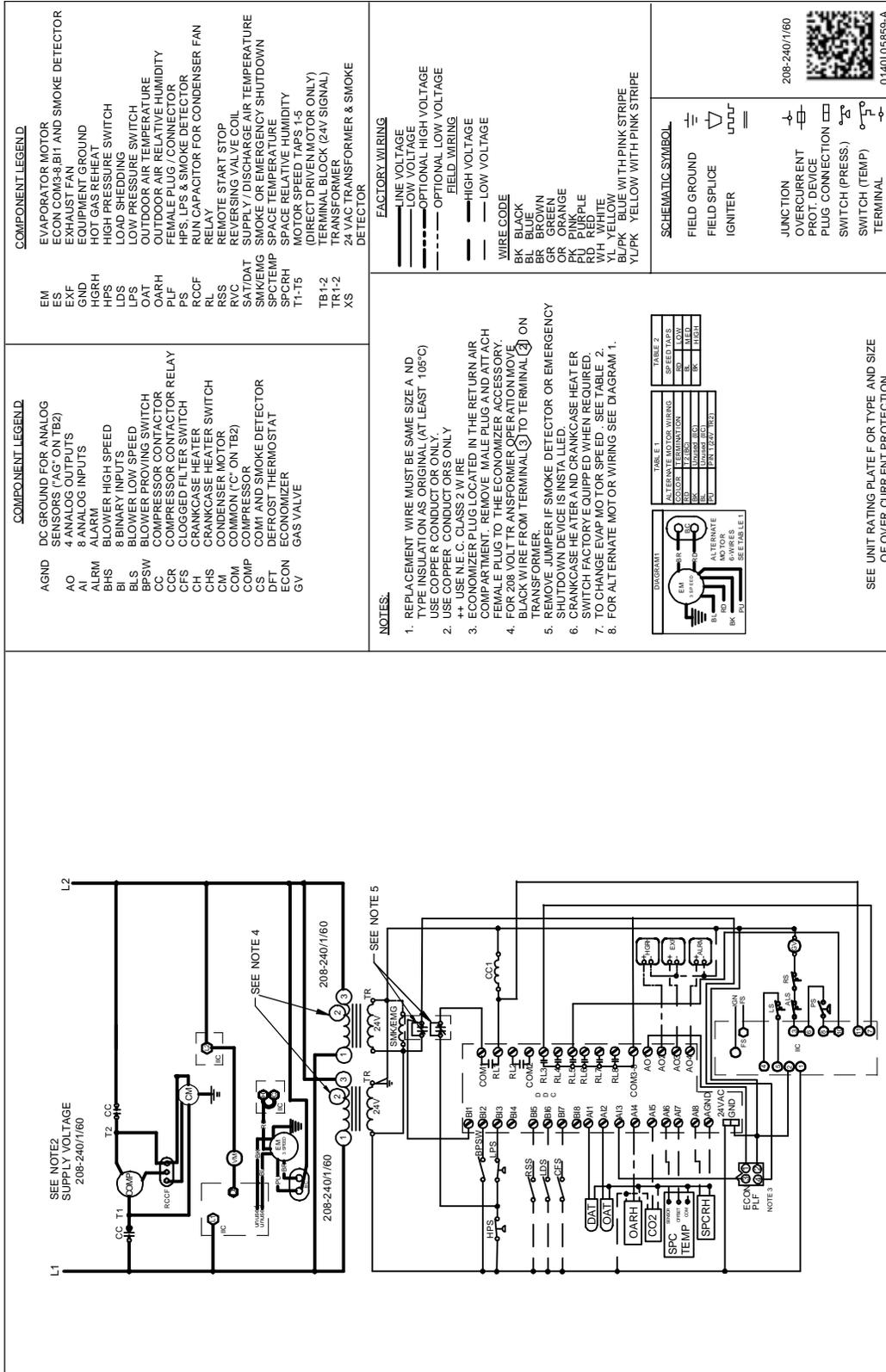


208-240/160 0140L05819-A

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

## WARNING

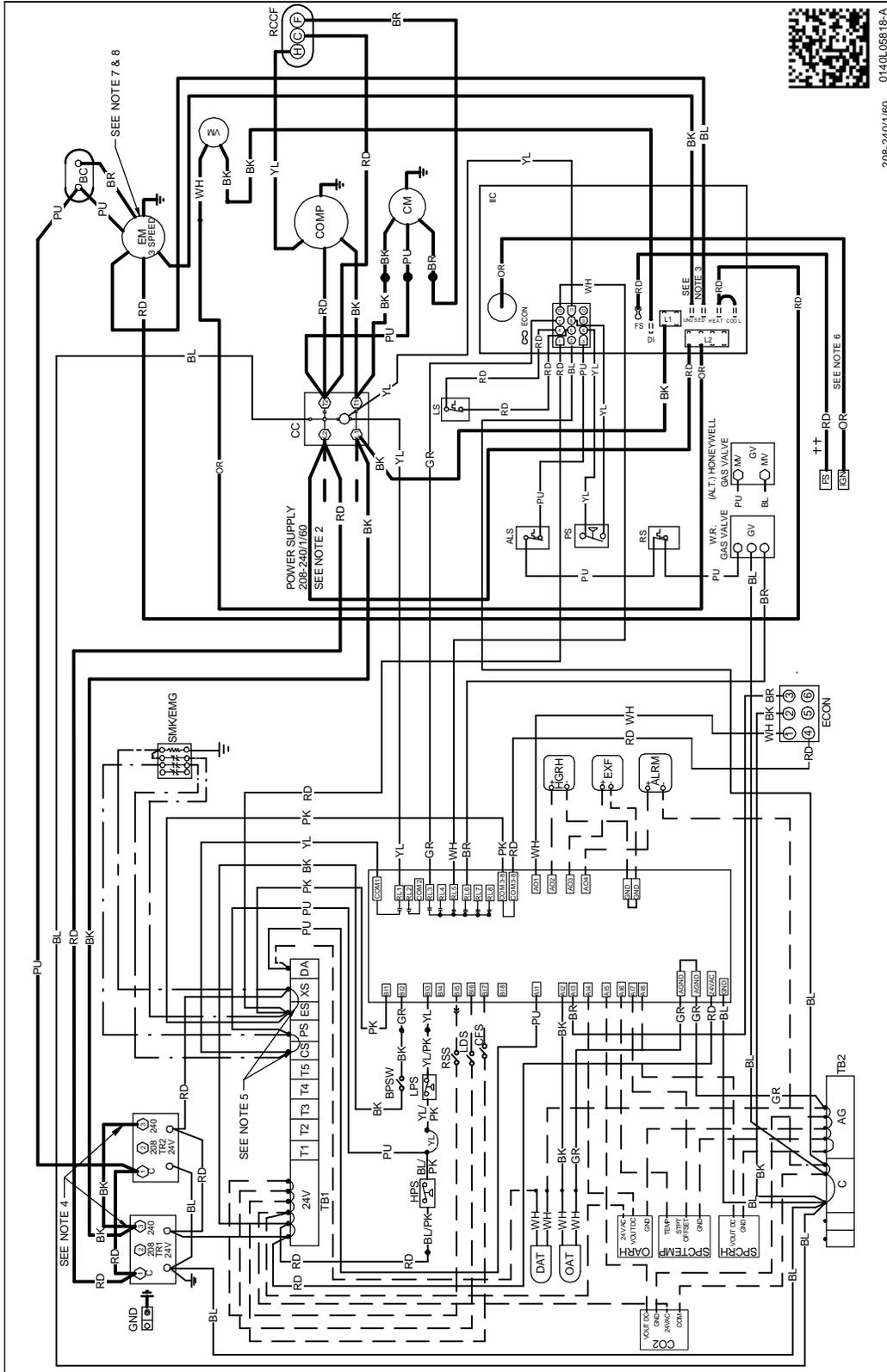
**HIGH VOLTAGE!**  
**DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**



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

WARNING

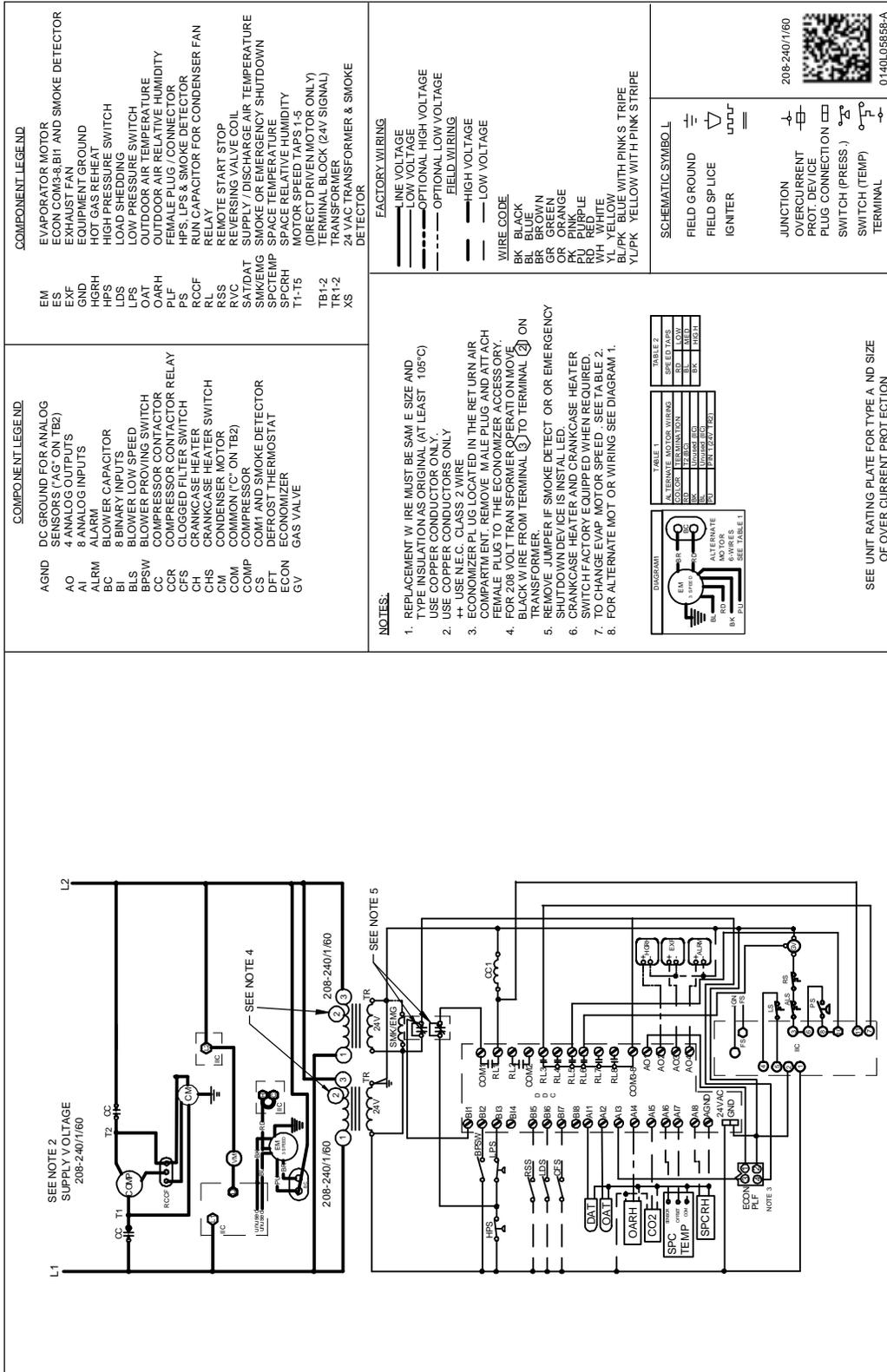
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Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

**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.**



**COMPONENT LEGEND**

EM	EVAPORATOR MOTOR
EX	ECON COM3-BIT AND SMOKE DETECTOR
EXF	EXHAUST FAN
GND	EQUIPMENT GROUND
HGRH	HOT GAS REHEAT
HPS	HIGH PRESSURE SWITCH
LPS	LOW PRESSURE SWITCH
OARH	OUTDOOR AIR RELATIVE HUMIDITY
PLF	FEMALE PLUG /CONNECTOR
PLS	HPS LPS & SMOKE DETECTOR
RCF	RUN CAPACITOR FOR CONDENSER FAN
RLV	RELAY
RSS	REMOTE START STOP
RVC	REVERSING VALVE COIL
SAT/DAT	SUPPLY / DISCHARGE AIR TEMPERATURE
SMK/EMG	SMOKE OR EMERGENCY SHUTDOWN
SPC/TEMP	SPACE TEMPERATURE
T1-15	TEMPERATURE SENSORS
TB1+2	TERMINAL BLOCK (24V SIGNAL)
TR1+2	TRANSFORMER
XS	24 VAC TRANSFORMER & SMOKE DETECTOR

**COMPONENT LEGEND**

AGND	DC GROUND FOR ANALOG
AO	SENSORS ("AG" ON TB2)
AI	4 ANALOG OUTPUTS
ALRM	ALARM
BC	BLOWER CAPACITOR
BI	8 BINARY INPUTS
BLS	BLOWER PROTECT SWITCH
BSW	BLOWER SPEED
CCR	COMPRESSOR CONTACTOR
CFC	CLOGGED FILTER SWITCH
CHS	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COM	COMMON ("C" ON TB2)
COMP	COMPRESSOR
COM1	COM1 AND SMOKE DETECTOR
CS	DEFROST THERMOSTAT
DFT	ECONOMIZER
ECON	ECONOMIZER
GV	GAS VALVE

**FACTORY WIRING**

—	LINE VOLTAGE
—	LOW VOLTAGE
—	OPTIONAL HIGH VOLTAGE
—	OPTIONAL LOW VOLTAGE
—	FIELD WIRING
—	HIGH VOLTAGE
—	LOW VOLTAGE

**WIRE CODE**

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUE WITH PINKS STRIPE
YL/PK	YELLOW WITH PINK STRIPE

- NOTES:**
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE. USE COPPER CONDUCTOR ONLY (AT LEAST 105°C).
  - USE COPPER CONDUCTORS ONLY.
  - USE N.E.C. CLASS 2 WIRE.
  - ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
  - FOR 208 VOLT TRANSFORMER OPERATION ON MOVE, BLACK WIRE FROM TERMINAL (5) TO TERMINAL (2) ON TRANSFORMER.
  - REMOVE JUMPER IF SMOKE DETECT OR OR EMERGENCY SHUTDOWN DEVICE IS INSTALLED. CRANKCASE HEATER SHALL BE FIELD WIRING EQUIPPED WHEN REQUIRED.
  - SWITCH FACTORY EQUIP WHEN REQUIRED.
  - TO CHANGE EVAP MOTOR SPEED, SEE TABLE 2.
  - FOR ALTERNATE MOT OR WIRING SEE DIAGRAM 1.

**SCHEMATIC SYMBOL**

	FIELD GROUND
	IGNITER
	JUNCTION
	OVERCURRENT
	PROT. DEVICE
	PLUG CONNECTION
	SWITCH (PRESS)
	SWITCH (TEMP)
	TERMINAL

**TABLE 1**

TERMINAL	WIRING
1	24VAC
2	24VAC
3	24VAC
4	24VAC
5	24VAC
6	24VAC
7	24VAC
8	24VAC
9	24VAC
10	24VAC
11	24VAC
12	24VAC
13	24VAC
14	24VAC
15	24VAC

**TABLE 2**

SIZE	CLASS
14	2
16	2
18	2
20	2
22	2
24	2
26	2
28	2
30	2
32	2
34	2
36	2
38	2
40	2
42	2
44	2
46	2
48	2
50	2
52	2
54	2
56	2
58	2
60	2
62	2
64	2
66	2
68	2
70	2
72	2
74	2
76	2
78	2
80	2
82	2
84	2
86	2
88	2
90	2
92	2
94	2
96	2
98	2
100	2

**TABLE 3**

WIRE	SIZE	CLASS
1	14	2
2	14	2
3	14	2
4	14	2
5	14	2
6	14	2
7	14	2
8	14	2
9	14	2
10	14	2
11	14	2
12	14	2
13	14	2
14	14	2
15	14	2
16	14	2
17	14	2
18	14	2
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87	14	2
88	14	2
89	14	2
90	14	2
91	14	2
92	14	2
93	14	2
94	14	2
95	14	2
96	14	2
97	14	2
98	14	2
99	14	2
100	14	2

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



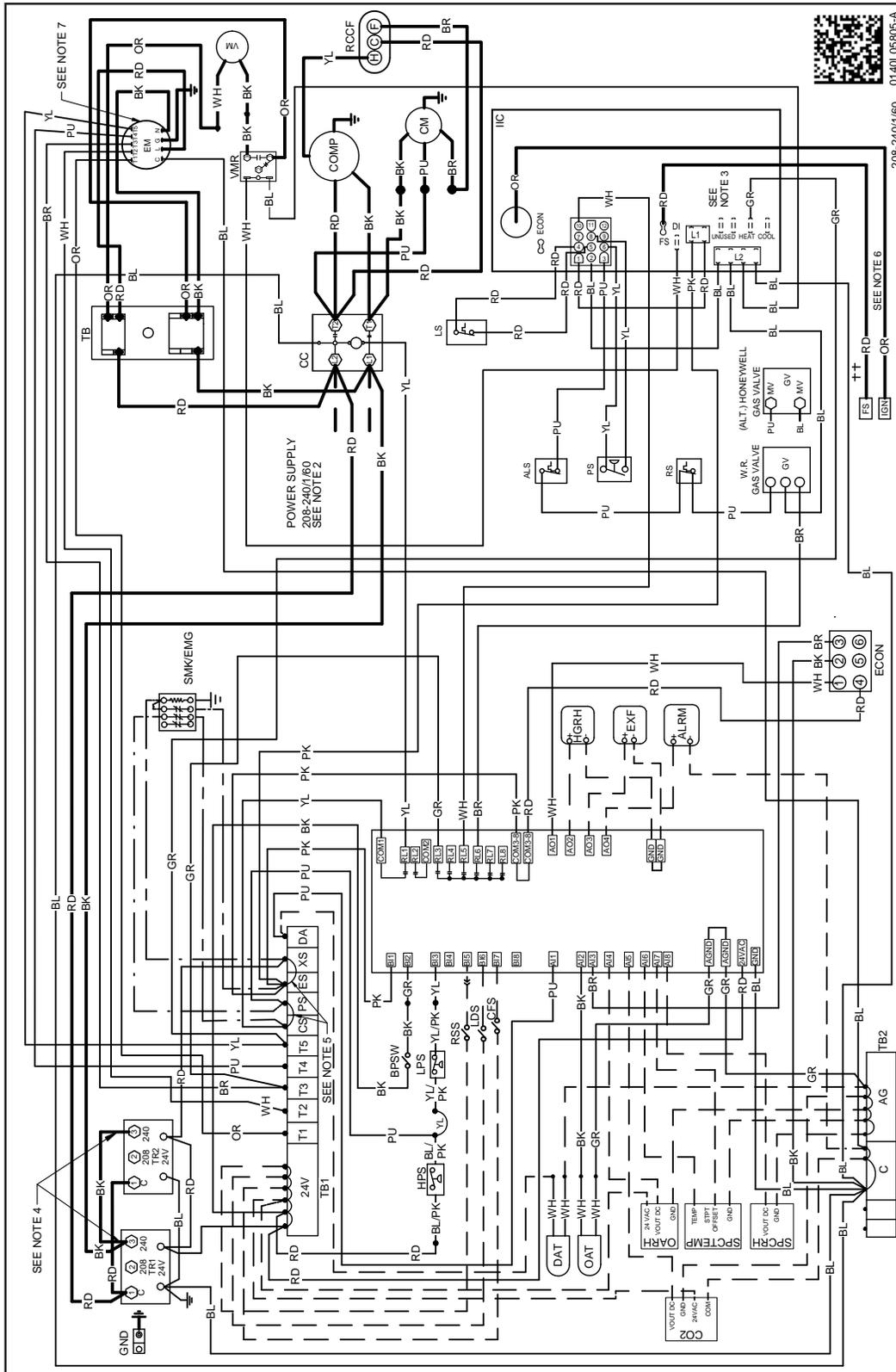
208-240/160

0140L05656-A

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

**WARNING**

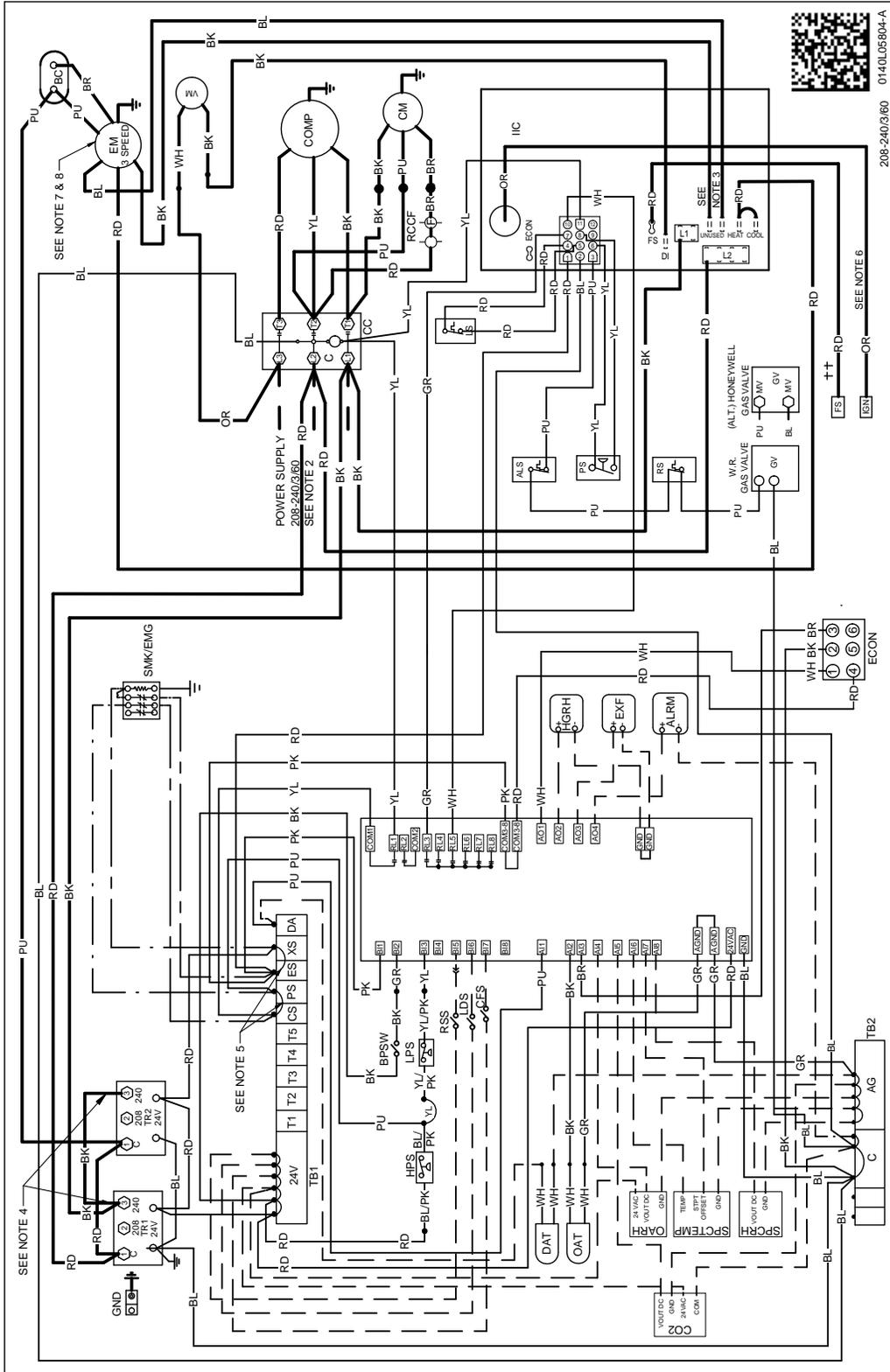
**HIGH VOLTAGE!**  
**DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**



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



**WARNING** 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.

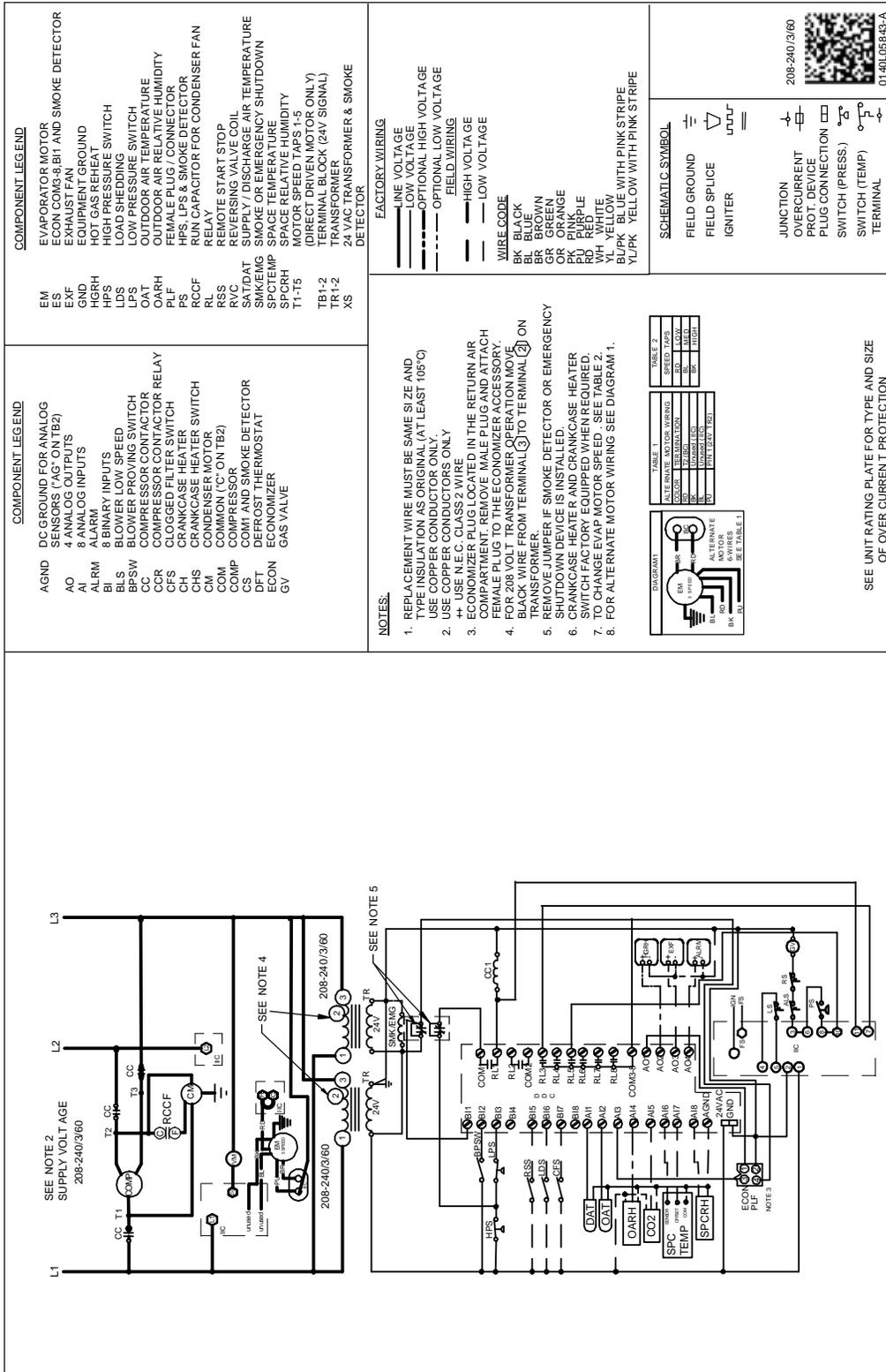


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!

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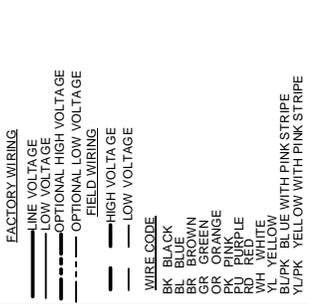


**COMPONENT LEGEND**

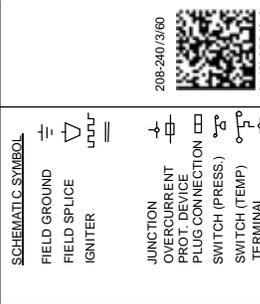
EM	EVAPORATOR MOTOR
EXE	EXHAUST BIT AND SMOKE DETECTOR
GND	EQUIPMENT GROUND
HGRH	HOT GAS REHEAT
HPS	HIGH PRESSURE SWITCH
LDS	LOAD SHEDDING
LPS	LOW PRESSURE SWITCH
OAT	OUTDOOR AIR TEMPERATURE
OARH	OUTDOOR AIR RELATIVE HUMIDITY
PLF	FEMALE PLUG / CONNECTOR
PLM	MALE PLUG / CONNECTOR
RCCF	RUN CAPACITOR FOR CONDENSER FAN RELAY
RL	REVERSE START STOP
RVC	REVERSING VALVE COIL
SAT/DAT	SUPPLY / DISCHARGE AIR TEMPERATURE
SMK/EMG	SMOKE OR EMERGENCY SHUTDOWN
SPT/EMP	SPACE TEMPERATURE
SPCRH	SPACE RELATIVE HUMIDITY
T1-15	MOTOR SPEED TAPS 1-5
TR1-2	TRIP POINTS (MOTOR ONLY)
TR1-2	TERMINAL BLOCK (24 SIGNAL)
XS	24 VAC TRANSFORMER & SMOKE DETECTOR

**COMPONENT LEGEND**

AGND	DC GROUND FOR ANALOG
AO	SENSORS / CONTROL (TB2)
AI	4 ANALOG OUTPUTS
ALRM	8 ANALOG INPUTS
ALRM	ALARM
BI	8 BINARY INPUTS
BLS	BLOWER LOW SPEED
BLSW	BLOWER PROVING SWITCH
CC	COMPRESSOR CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CFS	CLOGGED FILTER SWITCH
CH	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COM	COMMON (C ON TB2)
COMP	COMPRESSOR
CS	COM1 AND SMOKE DETECTOR
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
GV	GAS VALVE



- NOTES:**
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY
  - USE COPPER CONDUCTORS ONLY
  - USE N.E.C. CLASS 2 WIRE
  - ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
  - FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER
  - REMOVE CRANKCASE HEATER IF SMOKE DETECTOR OR EMERGENCY SHUTDOWN DEVICE IS INSTALLED
  - CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
  - TO CHANGE EVAP MOTOR SPEED . SEE TABLE 2.
  - FOR ALTERNATE MOTOR WIRING SEE DIAGRAM 1.



**DIAGRAM 1**

ALTERNATE MOTOR WIRING

EM	EVAPORATOR MOTOR
BL	BLACK
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

**DIAGRAM 2**

ALTERNATE MOTOR WIRING

EM	EVAPORATOR MOTOR
BL	BLACK
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

**TABLE 1**

WIRE COLOR	WIRE TYPE
EM	EVAPORATOR MOTOR
BL	BLACK
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

**TABLE 2**

SPEED TAPS	WIRE COLOR
1	BL
2	BR
3	GR
4	OR
5	PK
6	PU
7	RD
8	WH
9	YL

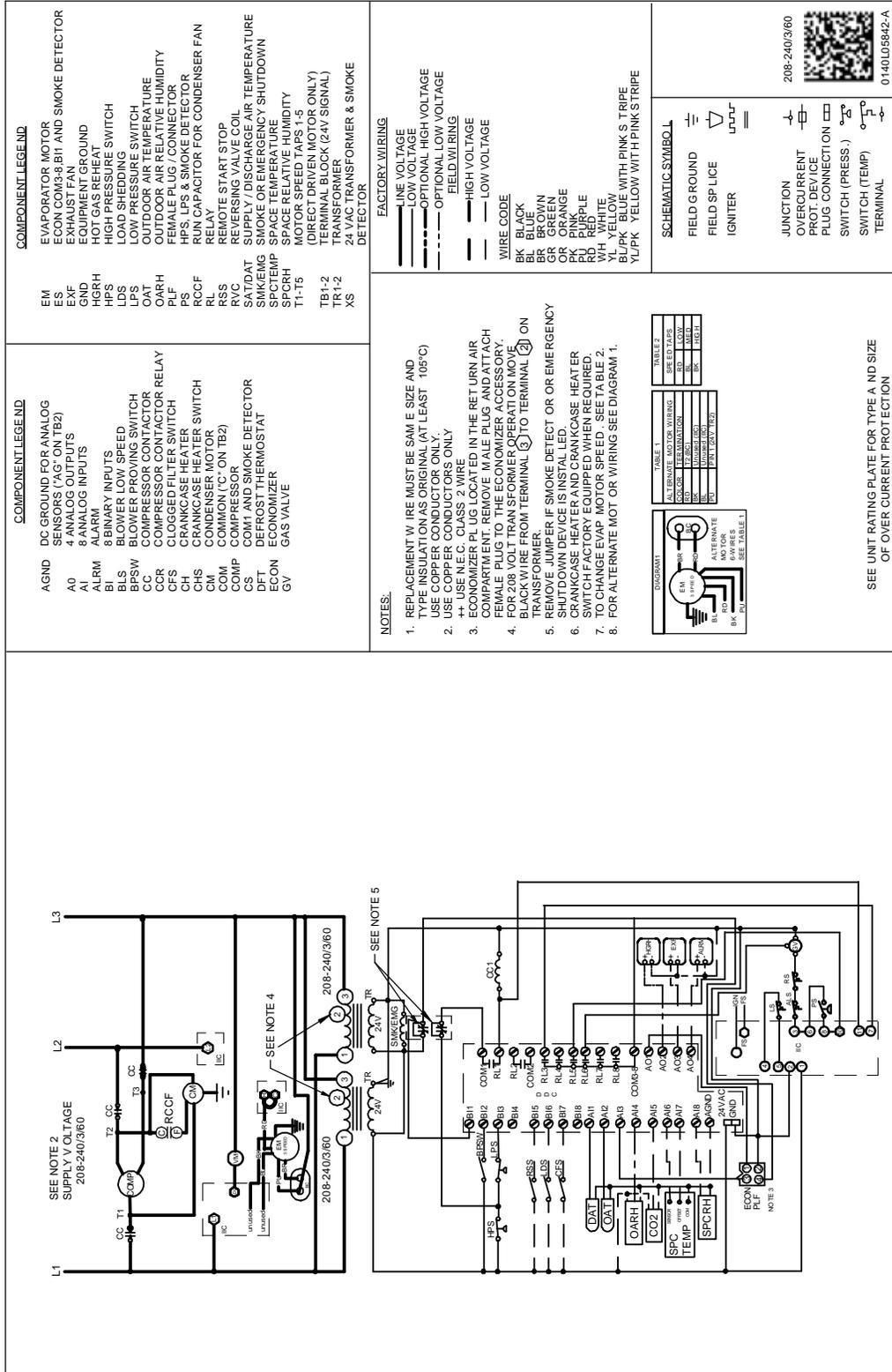
SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

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.



**COMPONENT LEGEND**

EM	EVAPORATOR MOTOR
ES	ECON COMBIBIT AND SMOKE DETECTOR
EXP	EXHAUST FAN MOTOR
EQ	EQUIPMENT GROUND
HGRH	HOT GAS REHEAT
HPS	HIGH PRESSURE SWITCH
LDS	LOAD SHEDDING
LPS	LOW PRESSURE SWITCH
OAT	OUTDOOR AIR TEMPERATURE
OARH	OUTDOOR AIR RELATIVE HUMIDITY
PLF	FEMALE PLUG / CONNECTOR
PS	HPS, LPS & SMOKE DETECTOR
RCCF	REVERSE VALVE CAPACITOR FOR CONDENSER FAN
RCCV	REVERSE VALVE COIL
RVC	REVERSING VALVE COIL
SAT/DAT	SUPPLY / DISCHARGE AIR TEMPERATURE
SMK/EMG	SMOKE OR EMERGENCY SHUTDOWN
SPT/EMP	SPACE TEMPERATURE
SFCR/H	SPACE RELATIVE HUMIDITY
T1-T5	MOTOR SPEED TAPS 1-5
TB1-2	(DIRECT DRIVEN MOTOR ONLY)
TB3	TERMINAL BLOCK (24V SIGNAL)
T4	TRANSFORMER
XS	24 VAC TRANSFORMER & SMOKE DETECTOR

**COMPONENT LEGEND**

AGND	DC GROUND FOR ANALOG
A0	SENSORS (AG-ON TB2)
A1	8 ANALOG INPUTS
ALRM	ALARM
BI	8 BINARY INPUTS
BLS	BLOWER LOW SPEED
BPSW	BLOWER PROVING SWITCH
CCR	COMPRESSOR CONTACTOR
CFS	CLOGGED FILTER SWITCH
CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
COM	COMMON (C-ON TB2)
COMP	COMPRESSOR
CS	COM1 AND SMOKE DETECTOR
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
GV	GAS VALVE

**FACTORY WIRING**

—	LINE VOLTAGE
—	LOW VOLTAGE
—	OPTIONAL HIGH VOLTAGE
—	OPTIONAL LOW VOLTAGE
—	FIELD WIRING
—	HIGH VOLTAGE
—	LOW VOLTAGE

**WIRE CODE**

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PL	PURPLE
PN	PINK/NEUTRAL
WH	WHITE
YL	YELLOW
BL/PK	BLUE WITH PINK STRIPE
YL/PK	YELLOW WITH PINK STRIPE

- NOTES:**
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) FOR USE IN THIS UNIT.
  - USE COPPER CONDUCTORS ONLY.
  - ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
  - FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.
  - REMOVE JUMPER IF SMOKE DETECTOR OR EMERGENCY STOP SWITCH IS INSTALLED.
  - CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
  - TO CHANGE EVAP. MOTOR SPEED, SEE TABLE 2.
  - FOR ALTERNATE MOTOR WIRING SEE DIAGRAM 1.

**SCHEMATIC SYMBOL**

	FIELD GROUND
	IGNITER
	JUNCTION
	OVERCURRENT PROTECTION
	PLUG CONNECTION
	SWITCH (PRESS)
	SWITCH (TEMP)
	TERMINAL

**TABLE 1**

ALTERNATE MOTOR WIRING	
WIRE	TERMINAL
ORANGE	1
BLACK	2
WHITE	3
RED	4

**TABLE 2**

SPEED TAPS	
SPEED TAP	RELAY
1	1
2	2
3	3
4	4

**TABLE 3**

ECONOMIZER WIRING	
WIRE	TERMINAL
ORANGE	1
BLACK	2
WHITE	3
RED	4

**TABLE 4**

ECONOMIZER WIRING	
WIRE	TERMINAL
ORANGE	1
BLACK	2
WHITE	3
RED	4

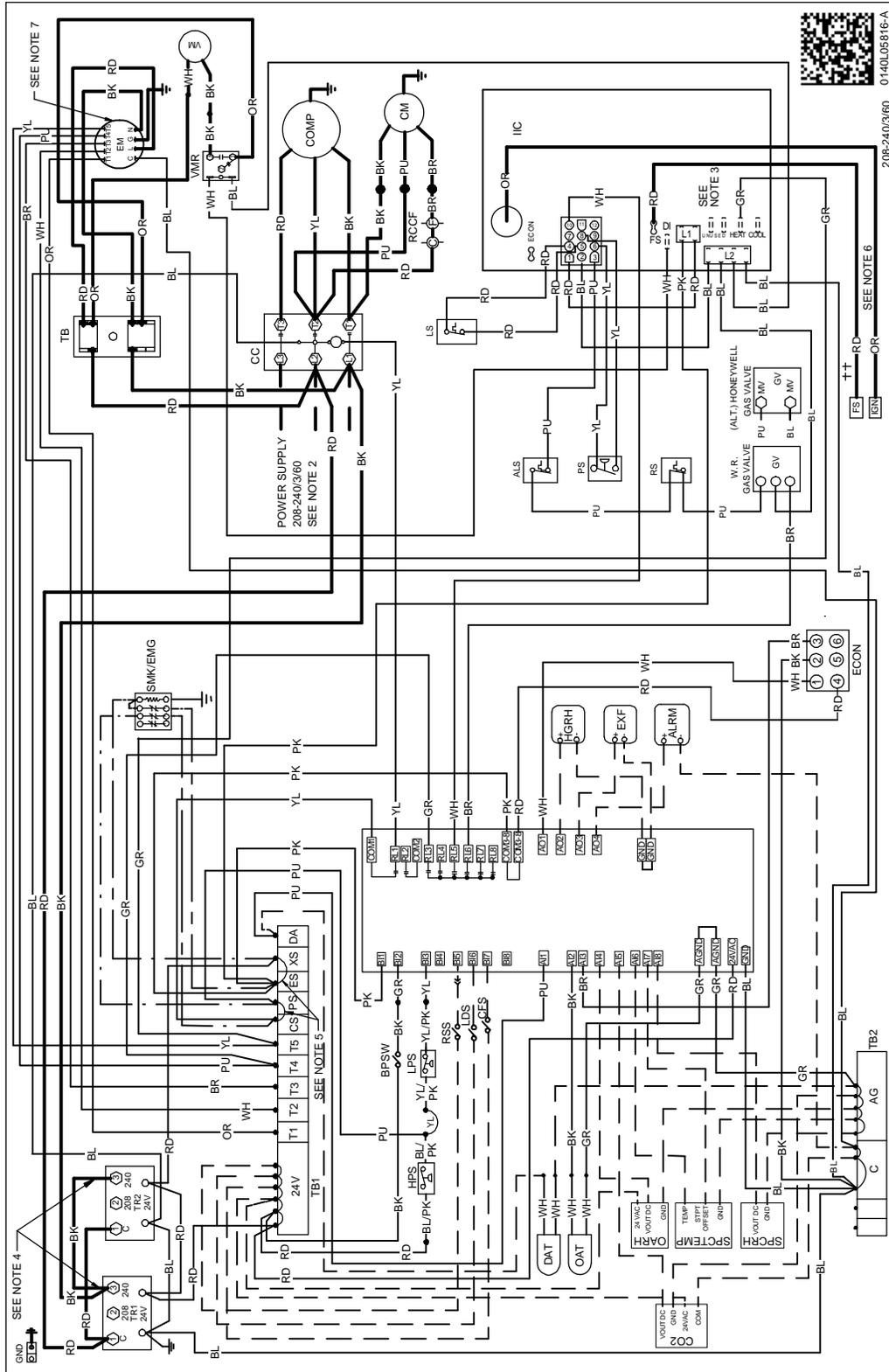
SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



WARNING

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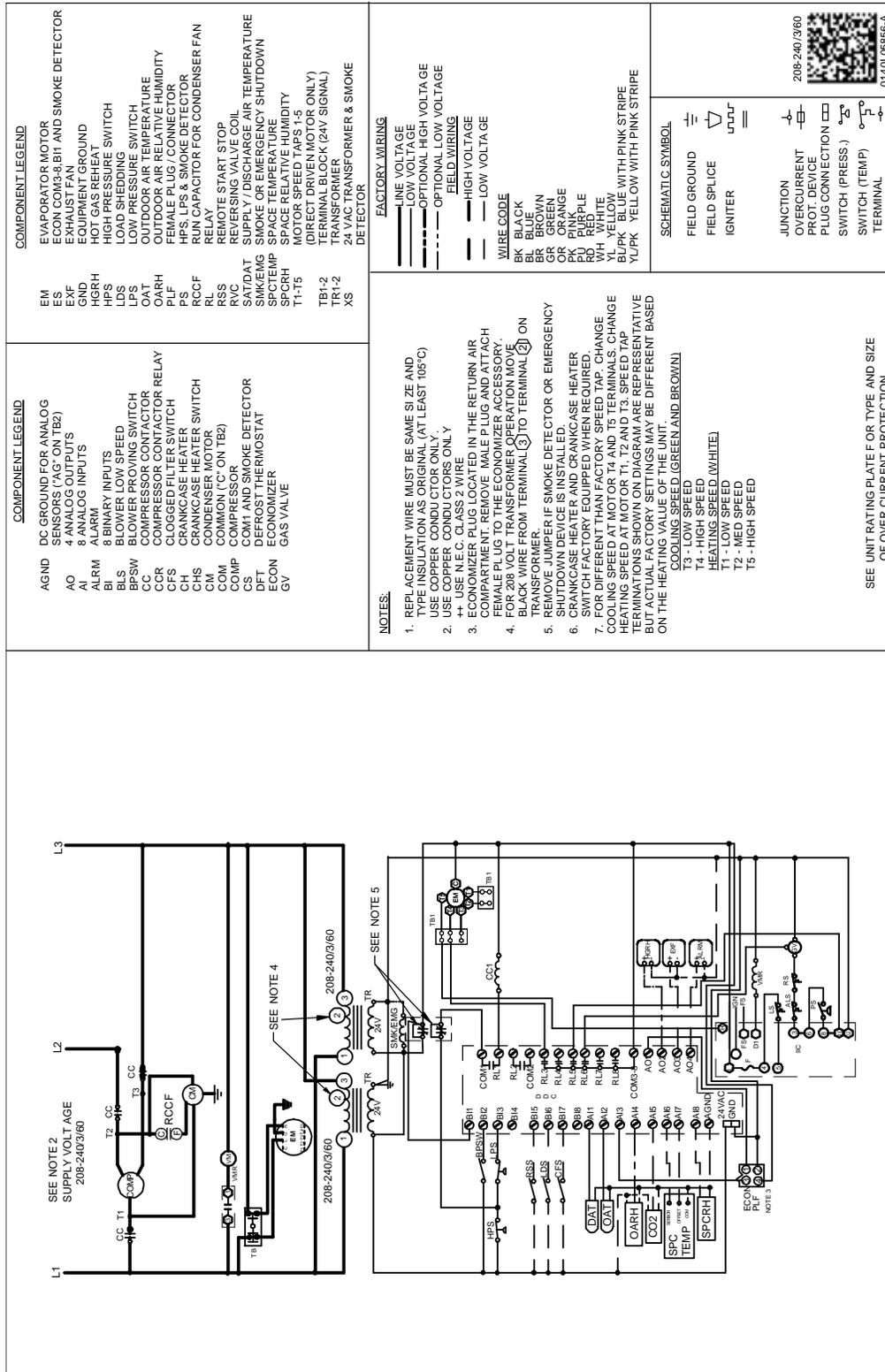
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**WARNING**

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**COMPONENT LEGEND**

EM	EVAPORATOR MOTOR
ES	ES (38-BIT) AND SMOKE DETECTOR
ESF	ES (38-BIT) SMOKE DETECTOR
GND	EQUIPMENT GROUND
HGRH	HOT GAS REHEAT
HPS	HIGH PRESSURE SWITCH
LDS	LOAD SHEDDING
LPS	LOW PRESSURE SWITCH
OAT	OUTDOOR AIR TEMPERATURE
OARH	OUTDOOR AIR RELATIVE HUMIDITY
PLF	FEMALE PLUG / CONNECTOR
PS	SMOKE DETECTOR
RCCF	RUN CAPACITOR FOR CONDENSER FAN RELAY
RCS	REMOTE START STOP
RSS	REVERSING VALVE COIL
RVC	SUPPLY / DISCHARGE AIR TEMPERATURE
SAT/DAT	SMOKE OR EMERGENCY SHUTDOWN
SMK/EMG	SPACE TEMPERATURE
SPT/EMP	SPACE RELATIVE HUMIDITY
TI-15	MOTOR SPEED TAPS 1-5
TR	TERMINAL BLOCK (24V SIGNAL)
TR1-2	24 VAC TRANSFORMER
XS	24 VAC TRANSFORMER & SMOKE DETECTOR

**COMPONENT LEGEND**

AGND	DC GROUND FOR ANALOG
AO	3 ANALOG OUTPUTS
AI	8 ANALOG INPUTS
ALARM	ALARM
BI	8 BINARY INPUTS
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BPSW	BLOWER PROVING SWITCH
CC	COMPRESSOR CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CLOGGED FILTER SWITCH
CHS	CRANKCASE HEATER
CM	CONDENSER MOTOR
COM	COMMON (1" C ON TB2)
COMP	COMPRESSOR
COM1	COM1 AND SMOKE DETECTOR
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
GV	GAS VALVE

**FACTORY WIRING**

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  - FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON WIRING DIAGRAM.
  - REPLACE WIRE IF SMOKE DETECTOR OR EMERGENCY SHUTDOWN DEVICE IS INSTALLED.
  - CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
  - FOR DIFFERENT THAN FACTORY SPEED TAP, CHANGE COOLING SPEED AT MOTOR T4 AND T5 TERMINALS. CHANGE HEATING SPEED AT MOTOR T1, T2 AND T3. SPEED TAP TERMINATIONS SHOWN ON DIAGRAM ARE REPRESENTATIVE BUT ACTUAL FACTORY SETTINGS MAY BE DIFFERENT BASED ON THE HEATING AND COOLING SPEEDS (GREEN AND BROWN).
- T3 - LOW SPEED  
 T4 - HIGH SPEED  
 T5 - HIGH SPEED
- HEATING SPEED (WHITE)  
 T1 - LOW SPEED  
 T2 - MED SPEED  
 T5 - HIGH SPEED

**SCHEMATIC SYMBOL**

⊖	FIELD GROUND
⊕	FIELD SPLICE
⊕	IGNITER
⊕	JUNCTION
⊕	OVERCURRENT
⊕	PROT. DEVICE
⊕	PLUG CONNECTION
⊕	SWITCH (PRESS)
⊕	SWITCH (TEMP)
⊕	TERMINAL

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



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#### CUSTOMER FEEDBACK

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You can also scan the QR code on the right to be directed to the feedback page.



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Thank you for your recent purchase. Though not required to get the protection of the standard warranty, registering your product is a relatively short process, and entitles you to additional warranty protection, except that failure by California and Quebec residents to register their product does not diminish their warranty rights.

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<https://daikincomfort.com/owner-support/product-registration>

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