Parts List, Charging Chart, Wiring Diagrams

CAE091 SERIES

SPLIT SYSTEM A/C UNITS



c UL US LISTED

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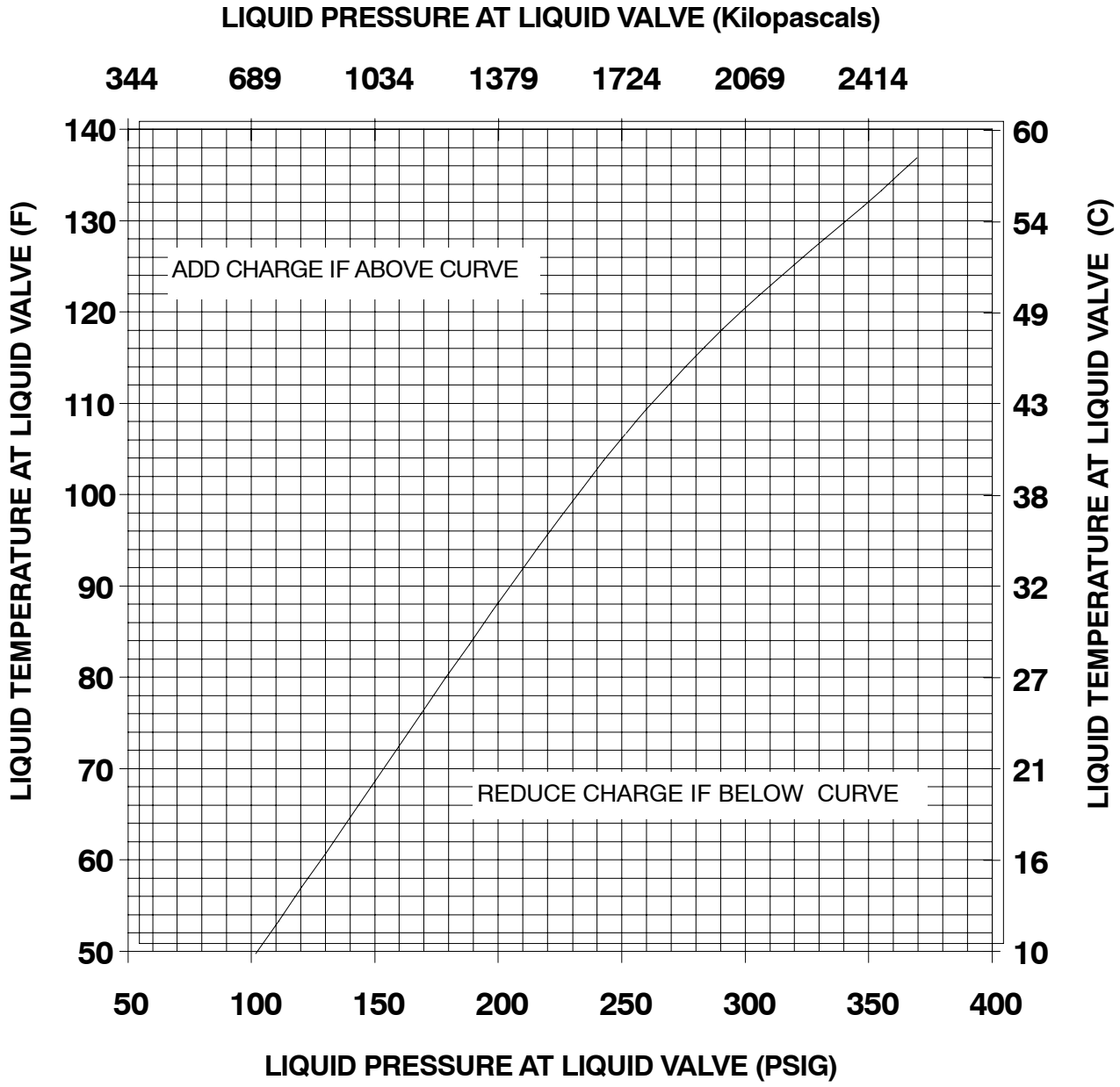
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Printed in U.S.A.

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CHARGING CHART

(OUTDOOR FAN MUST BE OPERATING)

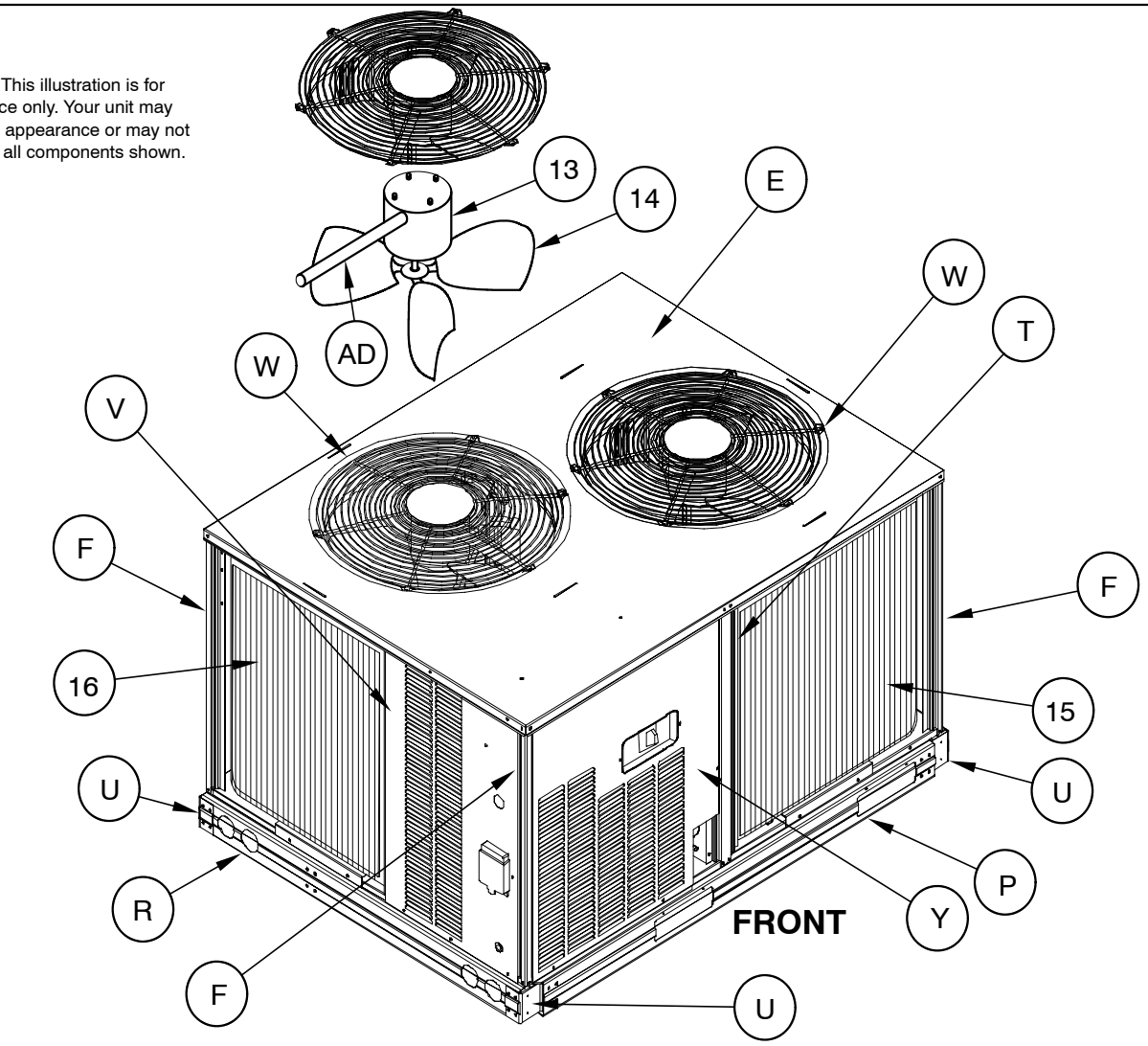


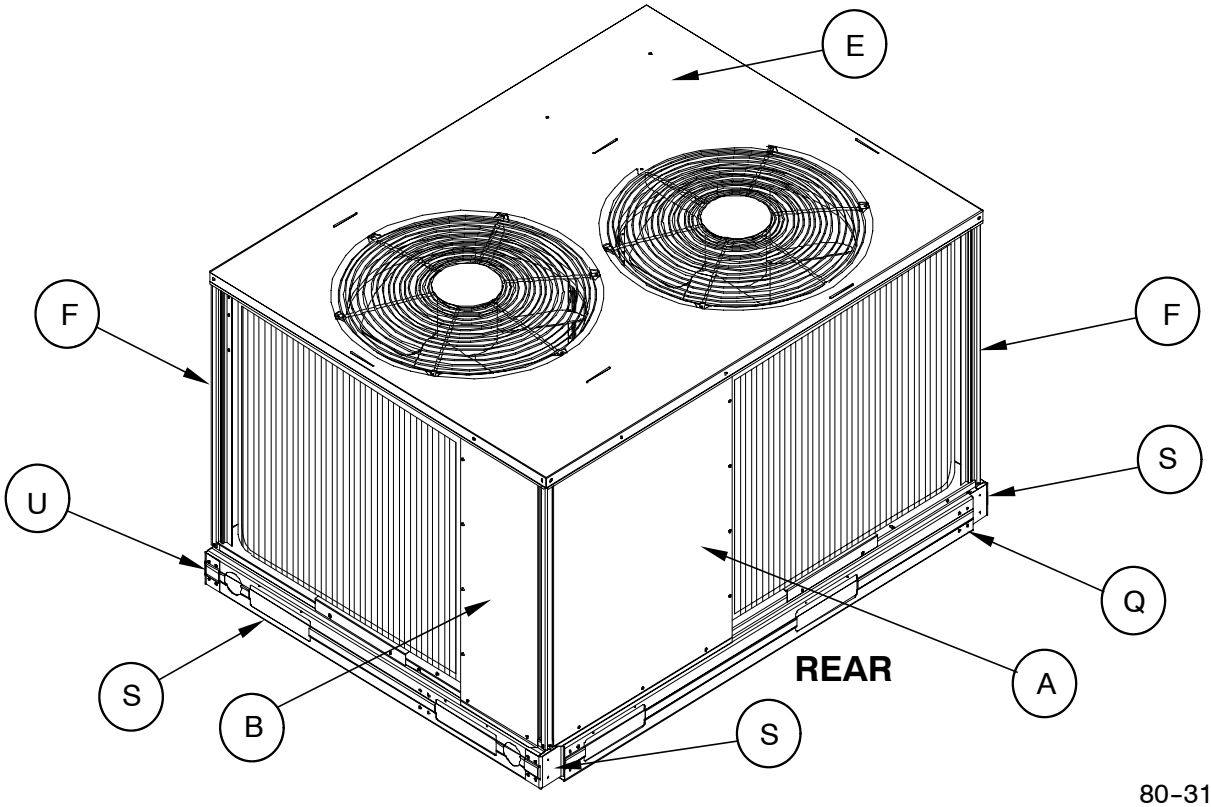
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CAE091 PARTS LIST					
KEY NO.	FAST PART NO.	DESCRIPTION	CAE091HAA	CAE091LAA	CAE091SAA
)(	1175060	HARNESS ASY	1	1	1
)(	1175744	HARNESS ASY	1	1	1
1	1172593	COMPRESSOR	1	1	1
2	1175735	HEATER,CRANK	1	1	1
3	1171805	SWITCH,PRESSURE	1	1	1
6	1171114	CIRCUIT BREAKER	1	1	1
7	1171161	CONTACTOR	1	1	1
8	1171434	RELAY,LOCKOUT	1	1	1
9	1171496	TRANSFORMER	1	1	1
10	1171488	TERMINAL BOARD	1	1	1
11	1175745	SWITCH,TEMP	1	1	1
12	1171807	CAPACITOR	2	2	2
13	1171335	MOTOR,OUTDOOR	2	2	2
14	1171220	PROPELLER,FAN	2	2	2
15	1175746	COIL,OUTDOOR	1	1	1
16	1175747	COIL,OUTDOOR	1	1	1
17	1175748	VALVE	1	1	1
18	1175308	SWITCH,PRESSURE	1	1	1
A	1171874	PANEL,ACCESS	1	1	1
B	1171873	PANEL,ACCESS	1	1	1
C	1175736	BRACKET	1	1	1
D	1171896	PARTITION	1	1	1
E	1171875	COVER,TOP	1	1	1
F	1171872	POST,CORNER	4	4	4
G	1175737	RAIL,COMPRESSOR	1	1	1
H	1175749	PAN,CONDENSER	1	1	1
J	1171887	COVER,CONTROL	1	1	1
K	1175738	BRACKET	1	1	1
L	1175739	BRACKET,VALVE	1	1	1
M	1175740	SUPPORT,COIL	3	3	3
N	1175741	SUPPORT,COIL	1	1	1
P	1171892	RAIL,BASE	1	1	1
Q	1171895	RAIL,BASE	1	1	1
R	1171878	RAIL,BASE	1	1	1
S	1171885	RAIL,BASE	1	1	1
T	1171886	POST,CENTER	1	1	1
U	1171071	BRACKET,BASE	4	4	4
V	1171846	PANEL,OUTDOOR	1	1	1
W	1171267	GRILLE,OUTLET	2	2	2
X	1175750	RAIL,COMPRESSOR	1	1	1
Y	1171871	PANEL,ACCESS	1	1	1
Z	1171270	GROMMET	4	4	4
AAA	1171842	BOOT,PROTECTIVE	2	2	2
AA	1171552	STRAP,CAPACITOR	2	2	2
AB	1175742	CONTROL BOX	1	1	1
AC	1175743	PLATE,WIRING	1	1	1
AD	1171428	CONDUIT	2	2	2

CAE091 Series 7.5 Ton

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

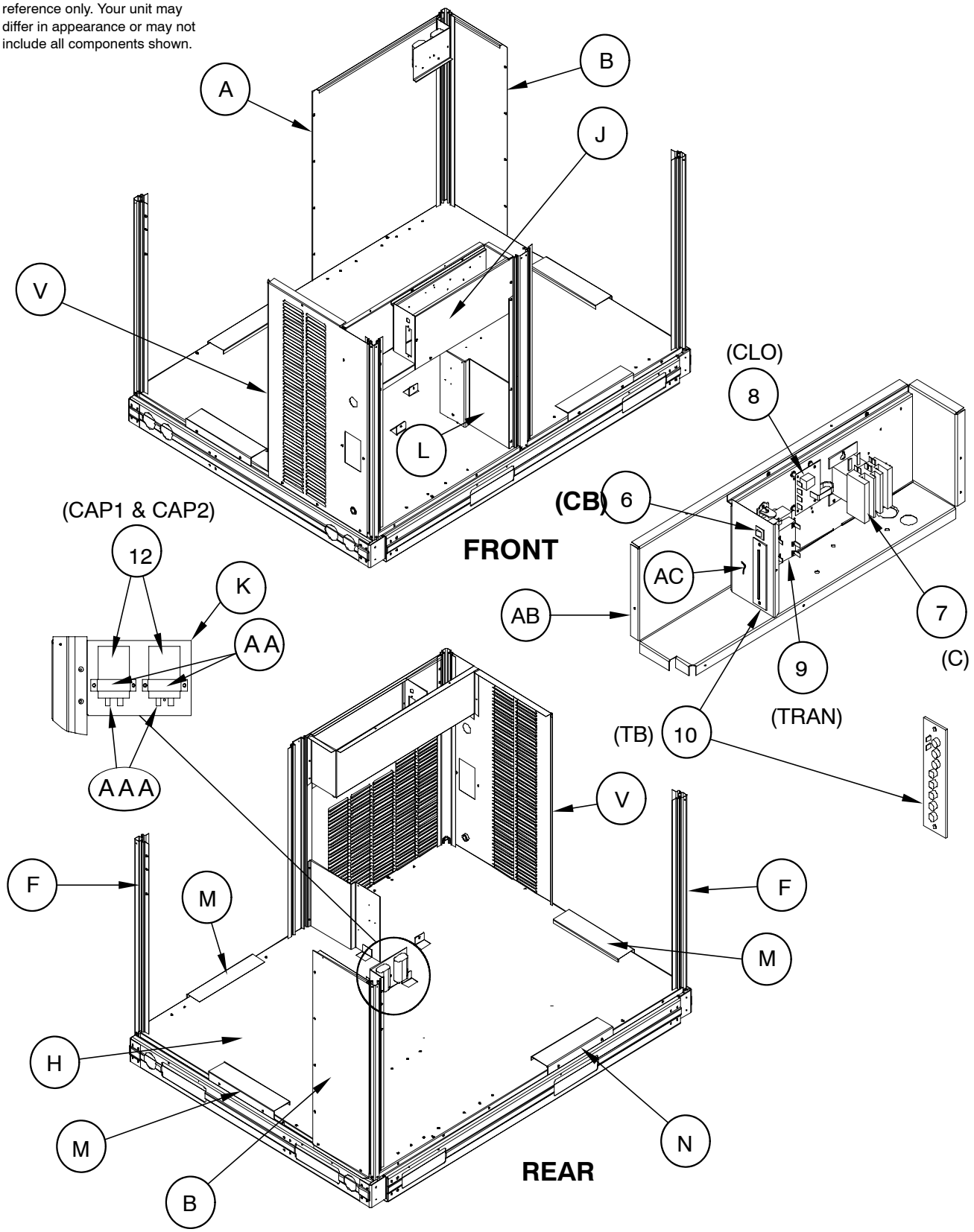




80-31-52

CAE091 Series 7.5 Ton

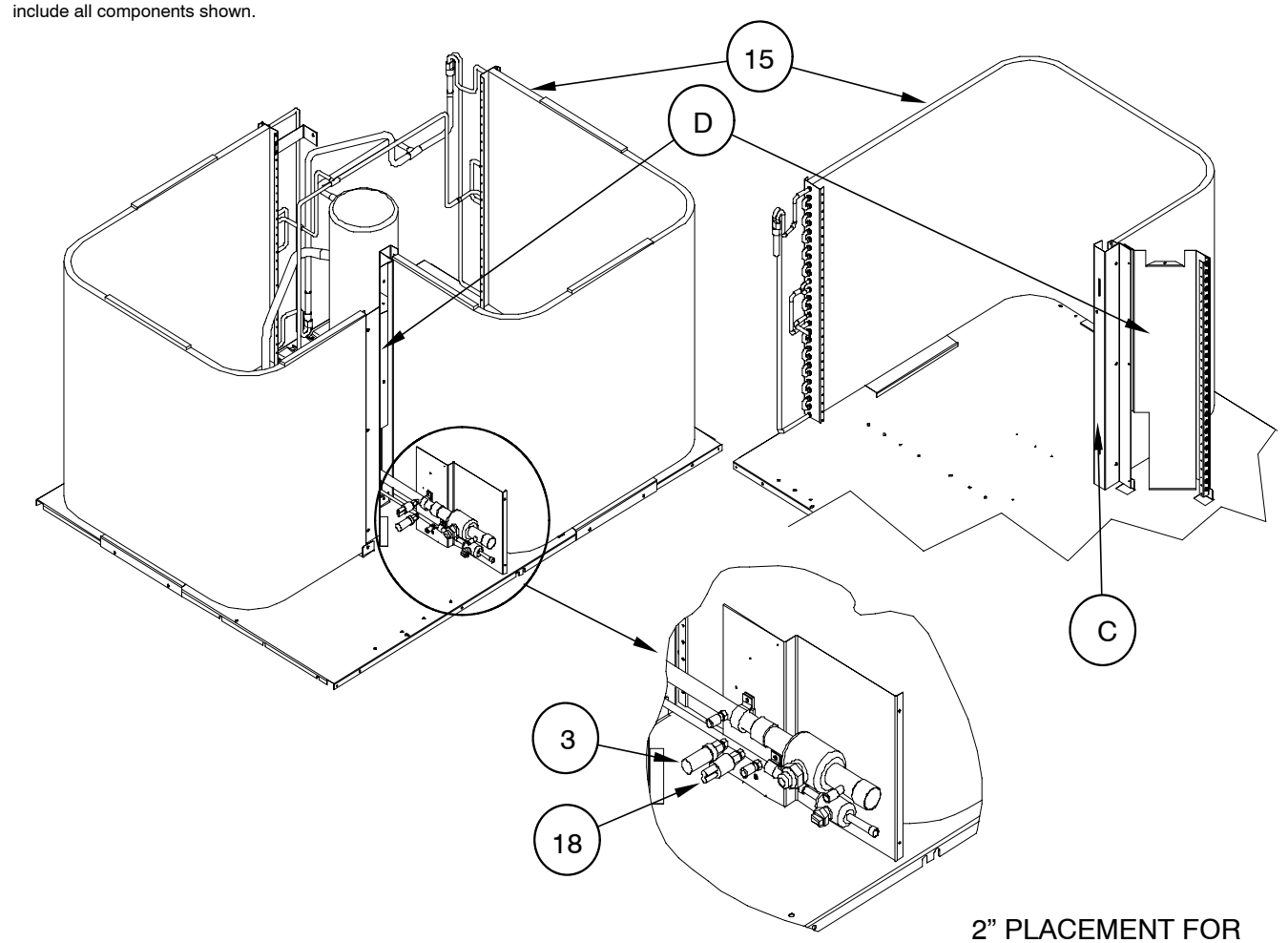
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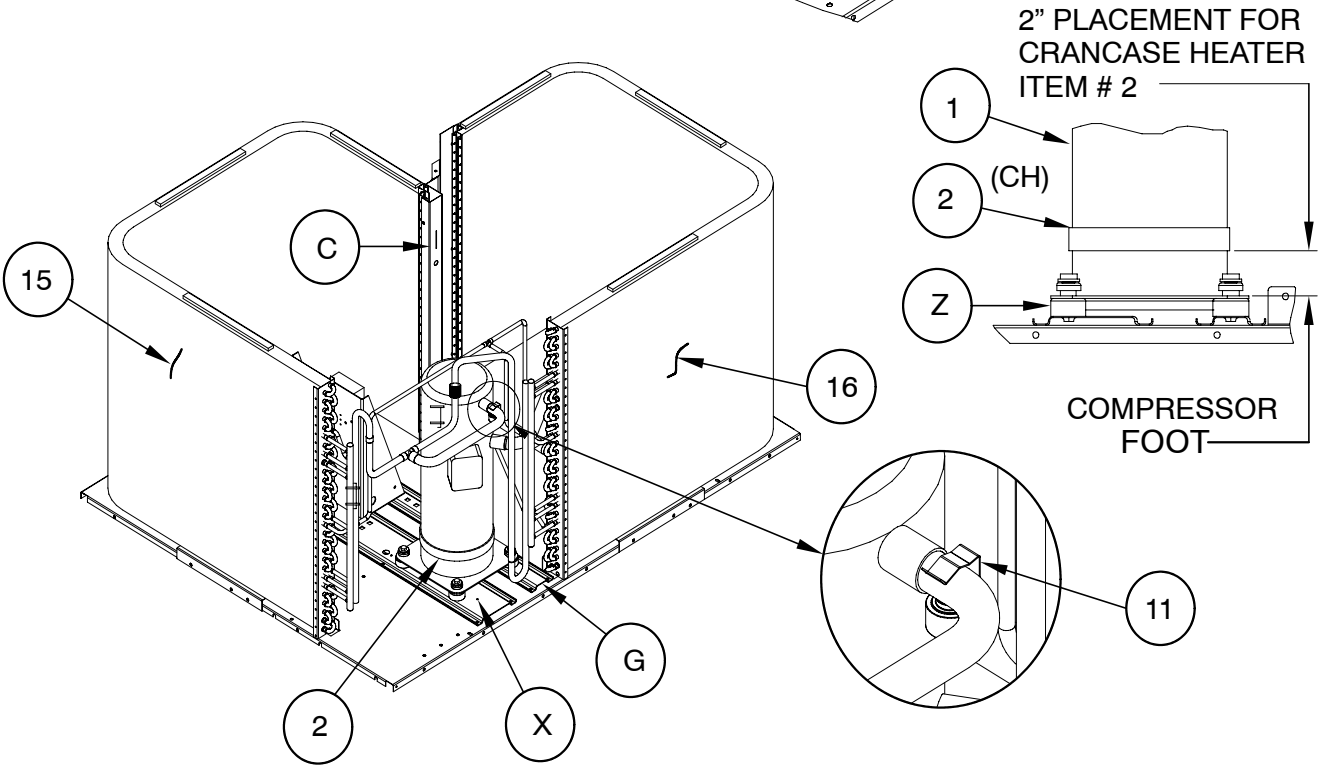


80-31-54

CAE091 Series 7.5 Ton

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

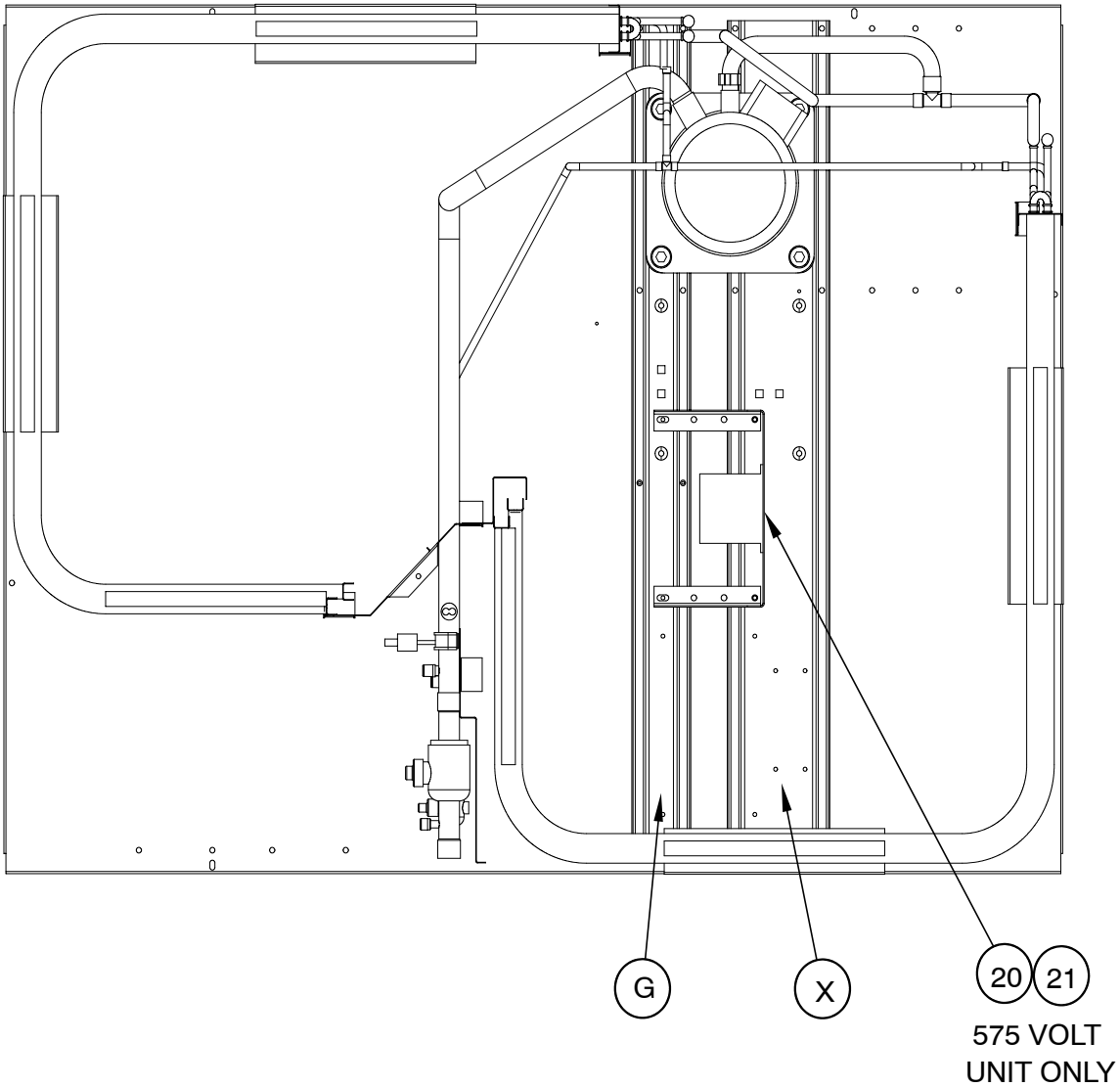




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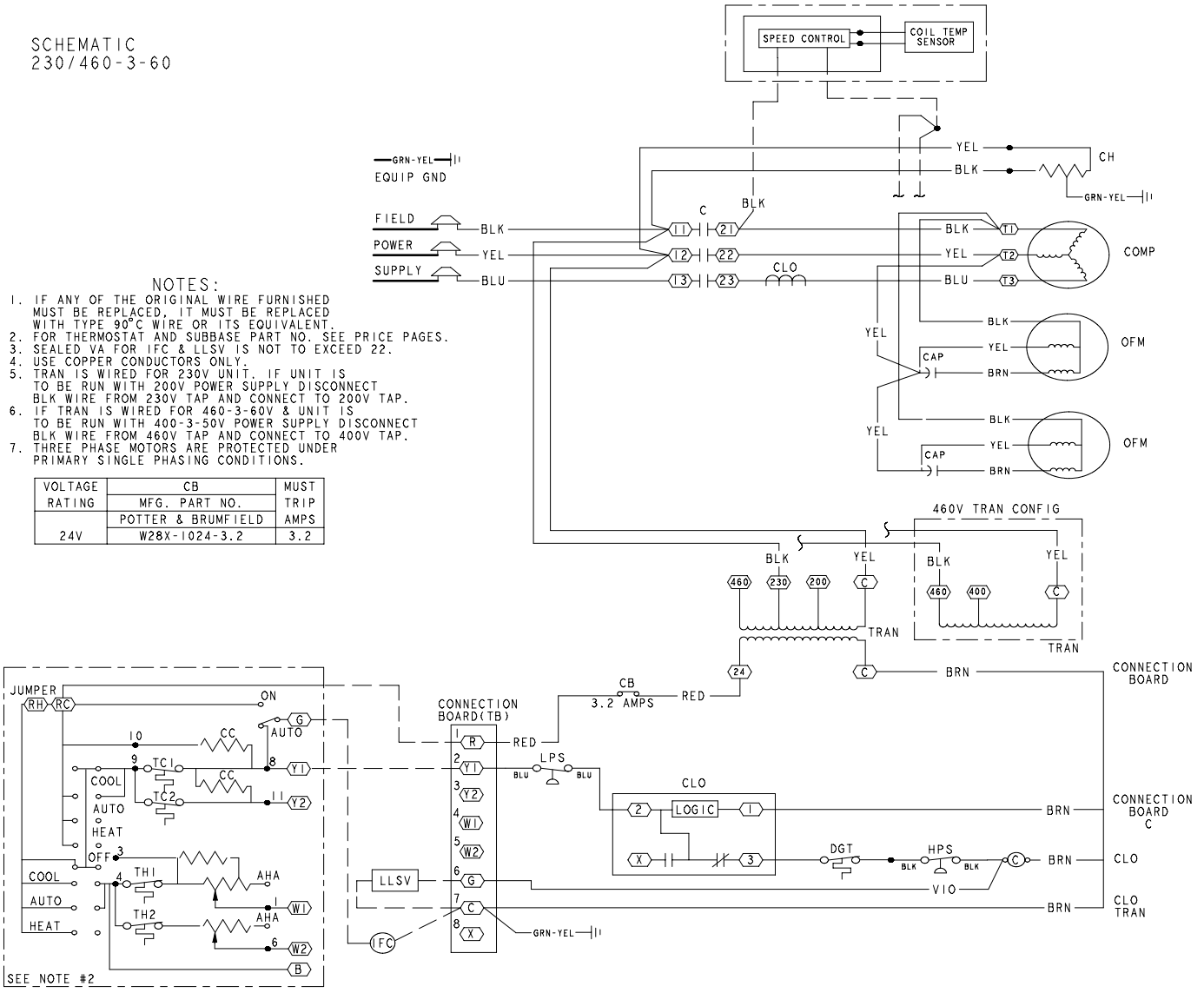
TOP VIEW



80-31-55

CAE091 230 / 460 - 3 - 60

SCHEMATIC
230/460-3-60

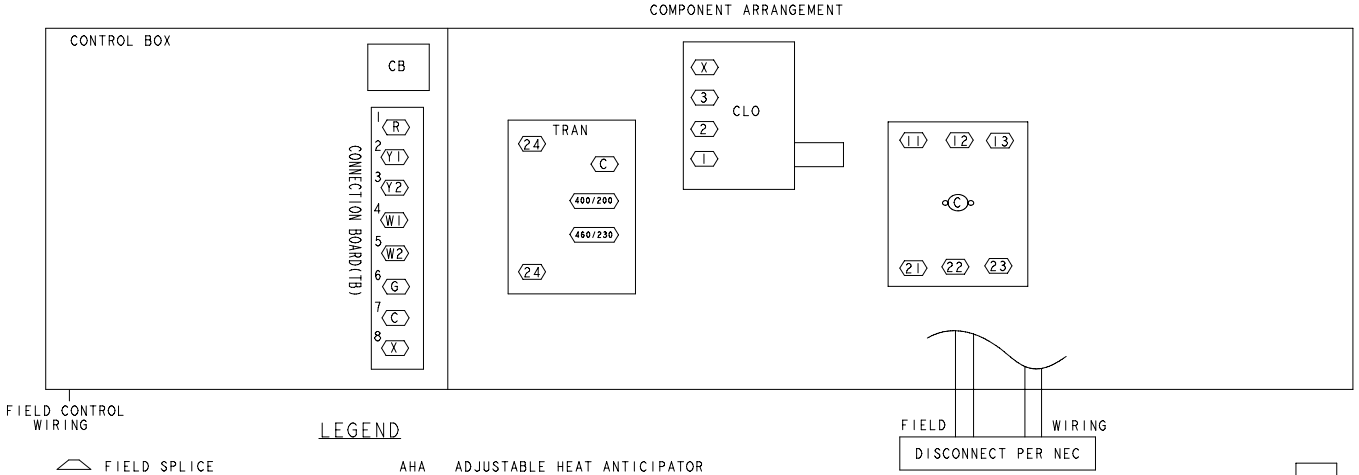


NOTES:

1. IF ANY OF THE ORIGINAL WIRE FURNISHED MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE 90°C WIRE OR ITS EQUIVALENT.
2. FOR THERMOSTAT AND SUBBASE PART NO. SEE PRICE PAGES.
3. SEALED VA FOR IFC & LLSV IS NOT TO EXCEED 22.
4. USE COPPER CONDUCTORS ONLY.
5. TRAN IS WIRED FOR 230V UNIT. IF UNIT IS TO BE RUN WITH 200V POWER SUPPLY DISCONNECT BLK WIRE FROM 230V TAP AND CONNECT TO 200V TAP.
6. IF TRAN IS WIRED FOR 460-3-60V & UNIT IS TO BE RUN WITH 400-3-50V POWER SUPPLY DISCONNECT BLK WIRE FROM 460V TAP AND CONNECT TO 400V TAP.
7. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS.

VOLTAGE RATING	CB MFG. PART NO.	MUST TRIP AMPS
	POTTER & BRUMFIELD	
24V	W28X-1024-3.2	3.2

COMPONENT ARRANGEMENT



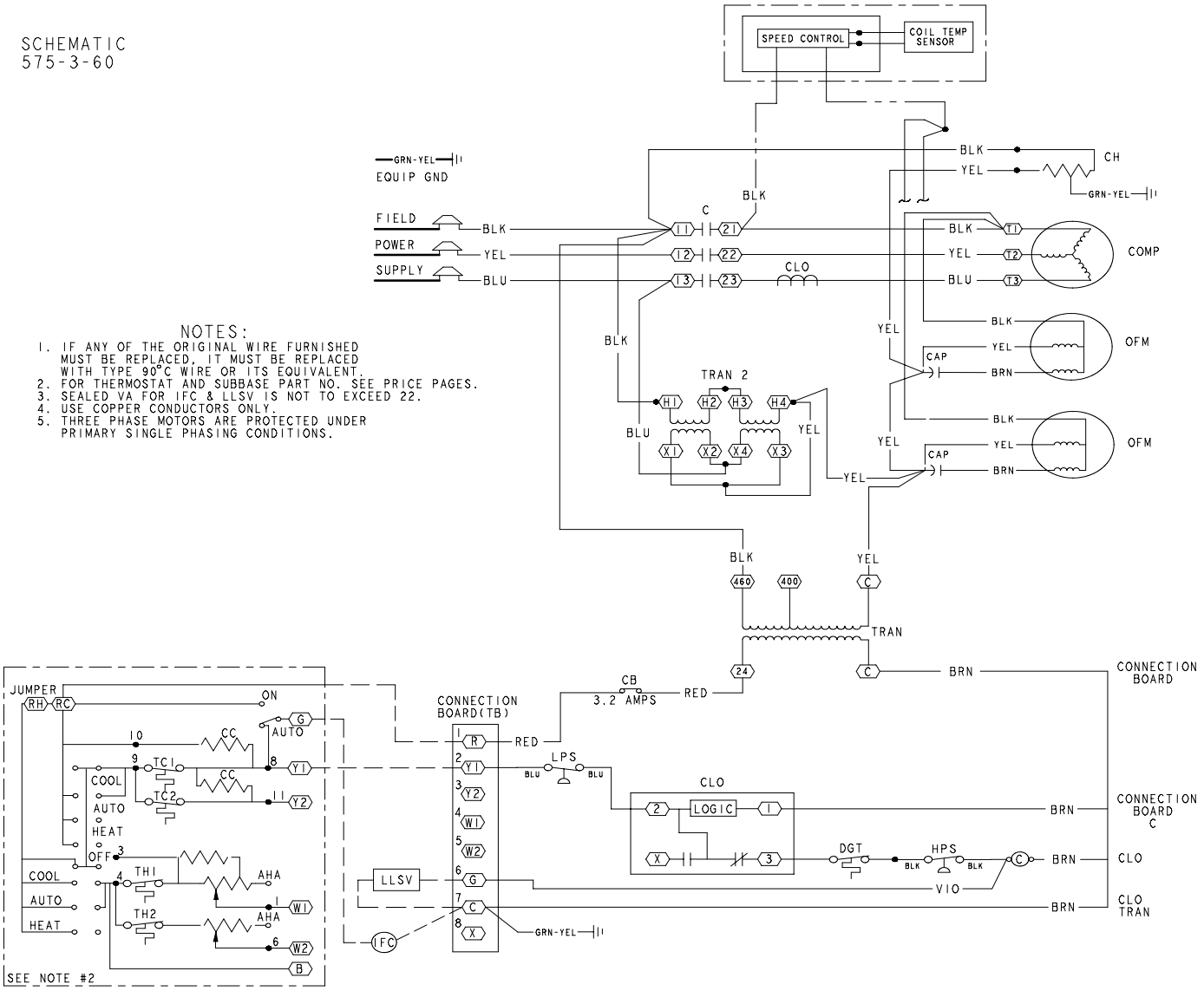
LEGEND

- FIELD SPLICE
- MARKED WIRE
- TERMINAL(MARKED)
- TERMINAL(UNMARKED)
- TERMINAL BLOCK
- SPLICE
- FACTORY WIRING
- FIELD CONTROL WIRING
- FIELD POWER WIRING
- ACCESSORY OR OPTIONAL WIRING
- TO INDICATE COMMON POTENTIAL ONLY, NOT TO REPRESENT WIRING

AHA	ADJUSTABLE HEAT ANTICIPATOR
C	CONTACTOR, COMPRESSOR
CAP	CAPACITOR
CB	CIRCUIT BREAKER
CC	COOLING COMPENSATOR
CH	CRANKCASE HEATER
CLO	COMPRESSOR LOCKOUT
COMP	COMPRESSOR MOTOR
DGT	DISCHARGE GAS THERMOSTAT
EQUIP	EQUIPMENT
GND	GROUND
HPS	HIGH PRESSURE SWITCH
IFC	INDOOR FAN CONTACTOR
LLSV	LIQUID LINE SOLENOID VALVE
LPS	LOW PRESSURE SWITCH
OFM	OUTDOOR FAN MOTOR
QT	QUADRUPLE TERMINAL
TB	TERMINAL BLOCK
TC	THERMOSTAT-COOLING
TH	THERMOSTAT-HEATING
TRAN	TRANSFORMER

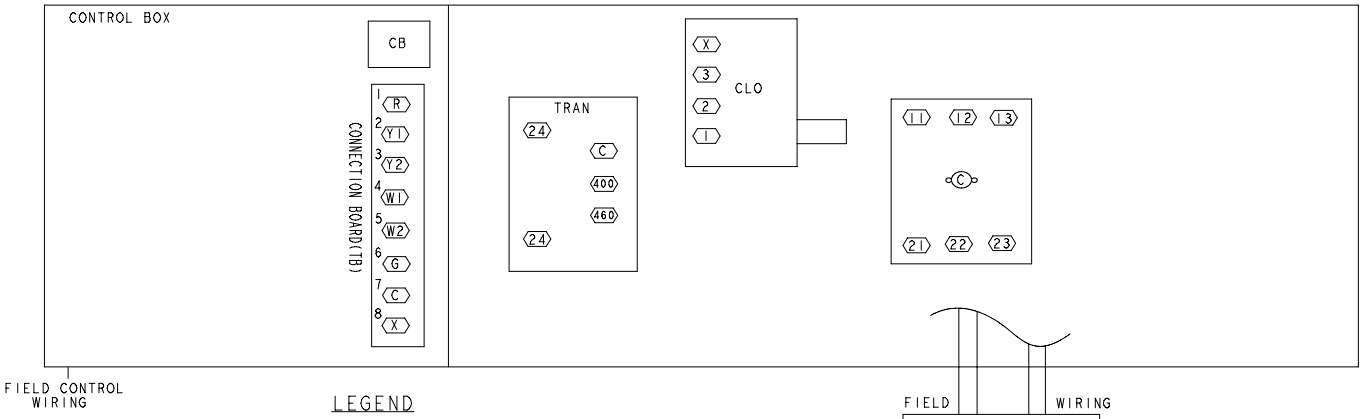
CAE091 575 - 3 - 60

SCHEMATIC
575-3-60



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LEGEND

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TERMINAL BLOCK	
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QT	QUADRUPLE TERMINAL
TB	TERMINAL BLOCK
TC	THERMOSTAT-COOLING
TH	THERMOSTAT-HEATING
TRAN	TRANSFORMER

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