

Parts List, Charging Chart, Wiring Diagrams

CHE091 SERIES

SPLIT SYSTEM H/P UNITS

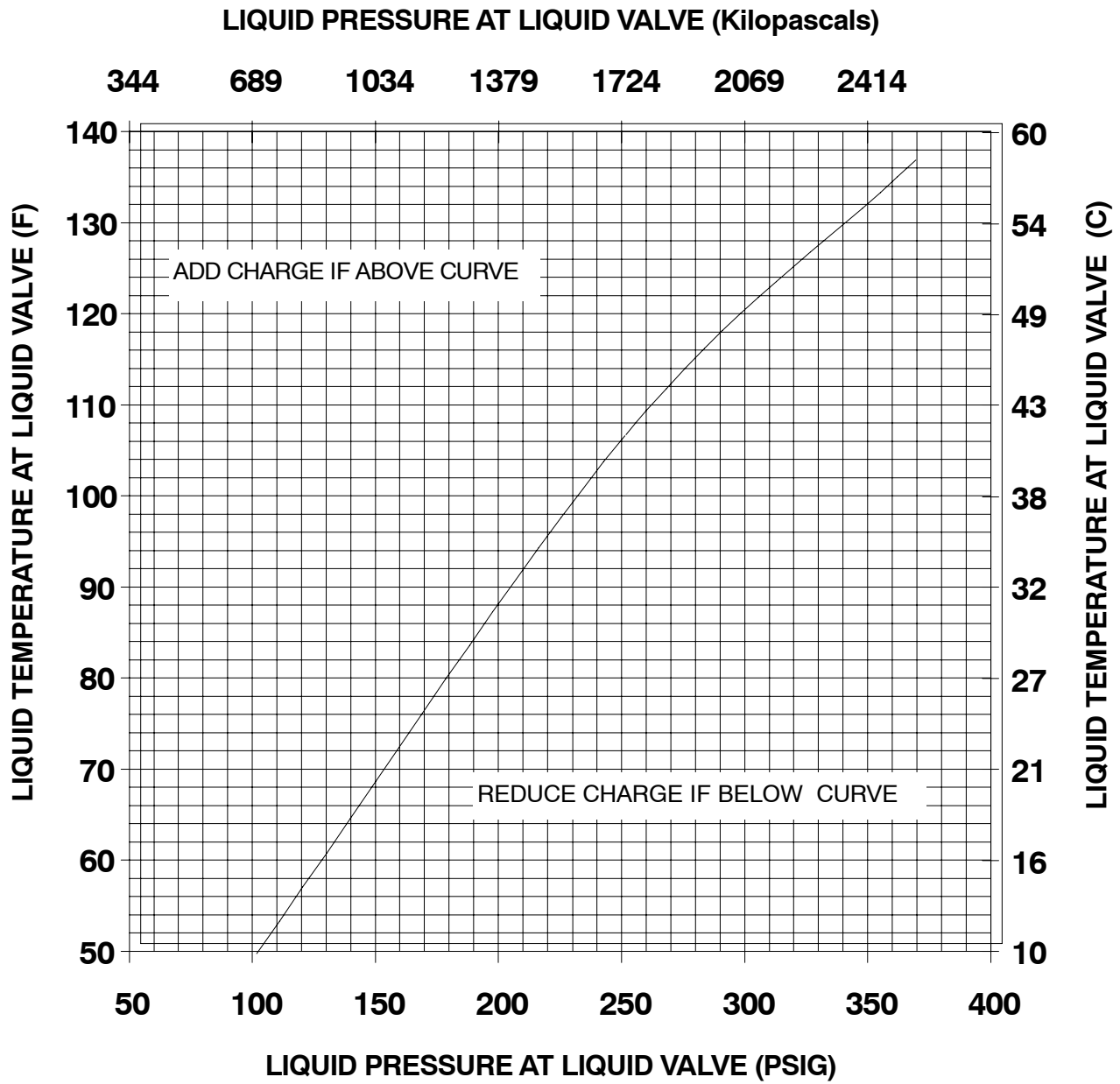


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CHARGING CHART

(OUTDOOR FAN MUST BE OPERATING)



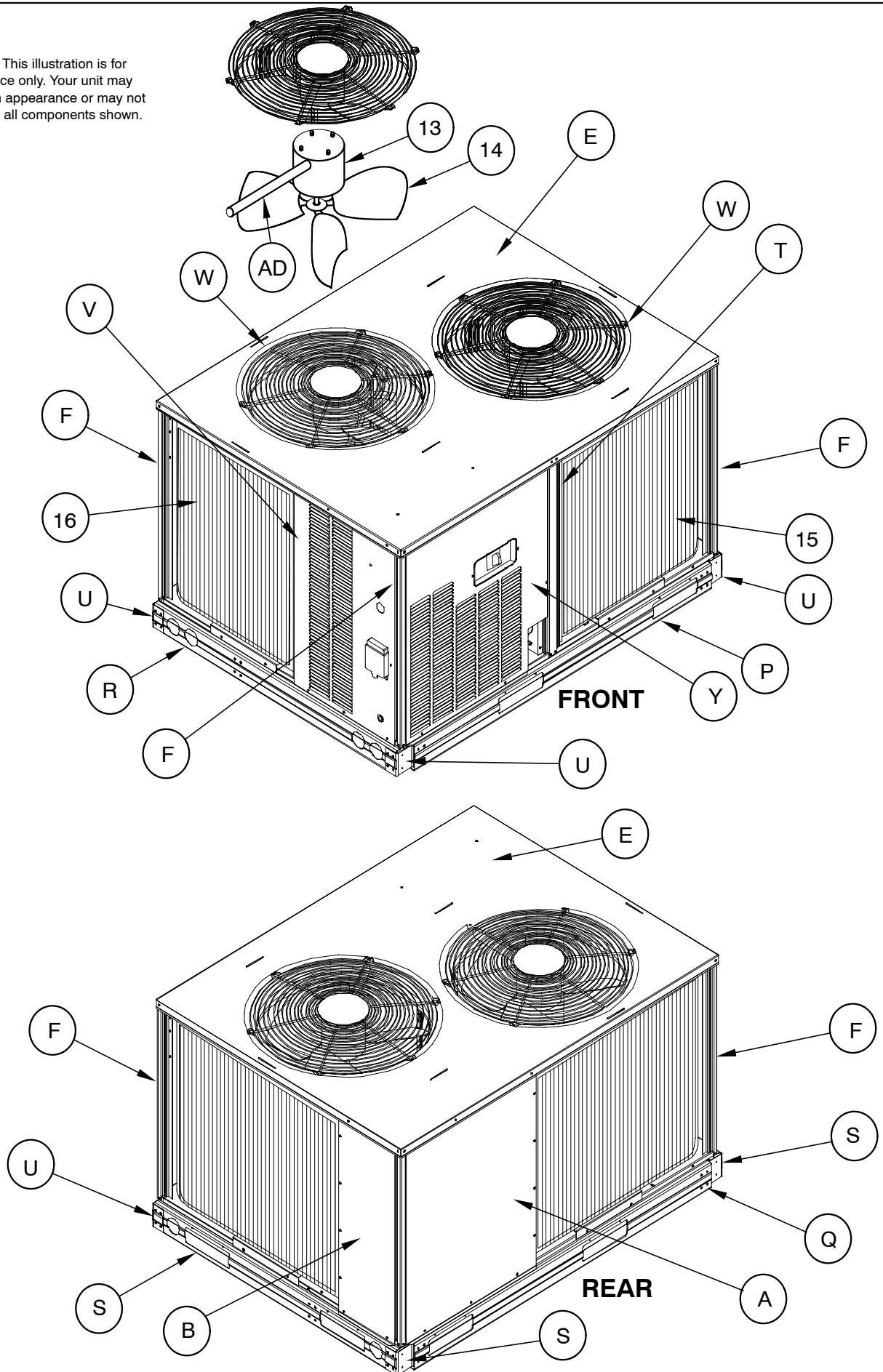
38AK540153 3.0

CHE091 PARTS LIST				
KEY NO.	FAST PART NO.	DESCRIPTION	CHE091HAA	CHE091LAA
)	1175755	HARNESS ASY	1	1
)	1175744	HARNESS ASY	1	1
1	ZR94KCTF5950	COMP ZR94KC-TF5-250	1	1
2	1171861	HEATER,CRANK	1	1
3	1171805	SWITCH,PRESSURE	1	1
6	1171114	CIRCUIT BREAKER	1	1
7	1171161	CONTACTOR	1	1
8	1171434	RELAY,LOCKOUT	1	1
9	1171496	TRANSFORMER	1	1
10	1171488	TERMINAL BOARD	1	1
11	1175745	SWITCH,TEMP	1	1
12	1171807	CAPACITOR	2	2
13	1171335	MOTOR,OUTDOOR	2	2
14	1171220	PROPELLER,FAN	2	2
15	1175756	COIL,OUTDOOR	1	1
16	1175757	COIL,OUTDOOR	1	1
17	1172411	VALVE	1	1
18	1175308	SWITCH,PRESSURE	1	1
19	1171481	SWITCH, TEMP	1	1
22	1171463	STRAINER	2	2
23	1175532	VALVE, 4 WAY	1	1
24	1171883	VALVE	1	1
25	1175758	ACCUMULATOR	1	1
26	1171803	BOARD, CIRCUIT	1	1
27	1171113	VALVE, CHECK	4	4
A	1171874	PANEL,ACCESS	1	1
B	1171873	PANEL,ACCESS	1	1
C	1175736	BRACKET	1	1
D	1171896	PARTITION	1	1
E	1171875	COVER, TOP	1	1
F	1171872	POST,CORNER	4	4
G	1175737	RAIL,COMPRESSOR	1	1
H	1175749	PAN,CONDENSER	1	1
J	1171887	COVER,CONTROL	1	1
K	1175738	BRACKET	1	1
L	1175739	BRACKET,VALVE	1	1
M	1175740	SUPPORT,COIL	3	3
N	1175741	SUPPORT,COIL	1	1
P	1171892	RAIL,BASE	1	1
Q	1171895	RAIL,BASE	1	1
R	1171878	RAIL,BASE	1	1
S	1171885	RAIL,BASE	1	1
T	1171886	POST,CENTER	1	1
U	1171071	BRACKET,BASE	4	4
V	1171846	PANEL,OUTDOOR	1	1
W	1171267	GRILLE,OUTLET	2	2
X	1175750	RAIL,COMPRESSOR	1	1
Y	1171871	PANEL,ACCESS	1	1
Z	1171270	GROMMET	4	4

CHE091 PARTS LIST (continued)				
KEY NO.	FAST PART NO.	DESCRIPTION	CHE091HAA	CHE091LAA
AAA	1171842	BOOT,PROTECTIVE	2	2
AA	1171552	STRAP,CAPACITOR	2	2
AB	1175742	CONTROL BOX	1	1
AC	1175743	PLATE,WIRING	1	1
AD	1171428	CONDUIT	2	2
AE	1175760	BRACKET, MTG	1	1

CHE091 Series 7.5 Ton

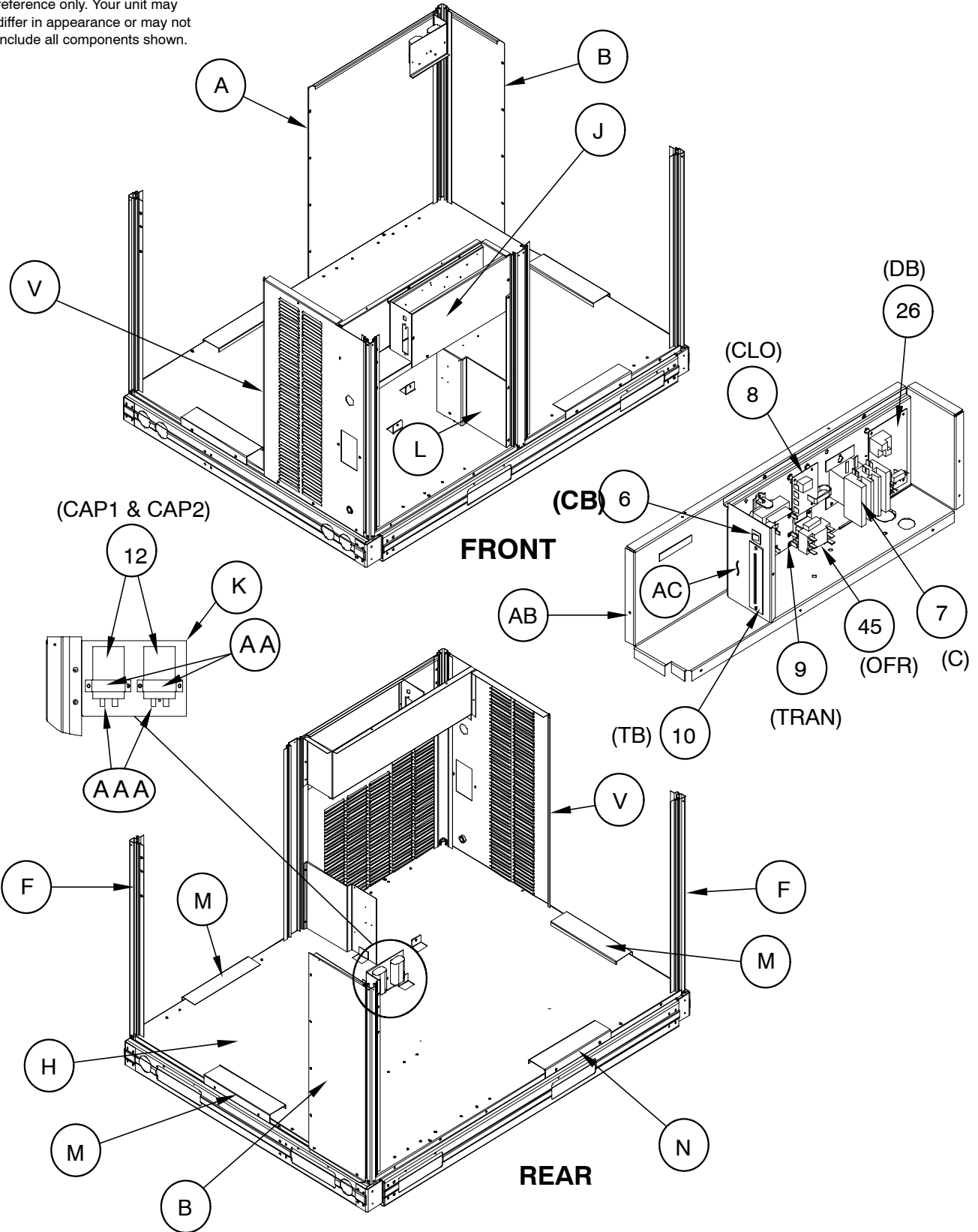
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



80-31-56

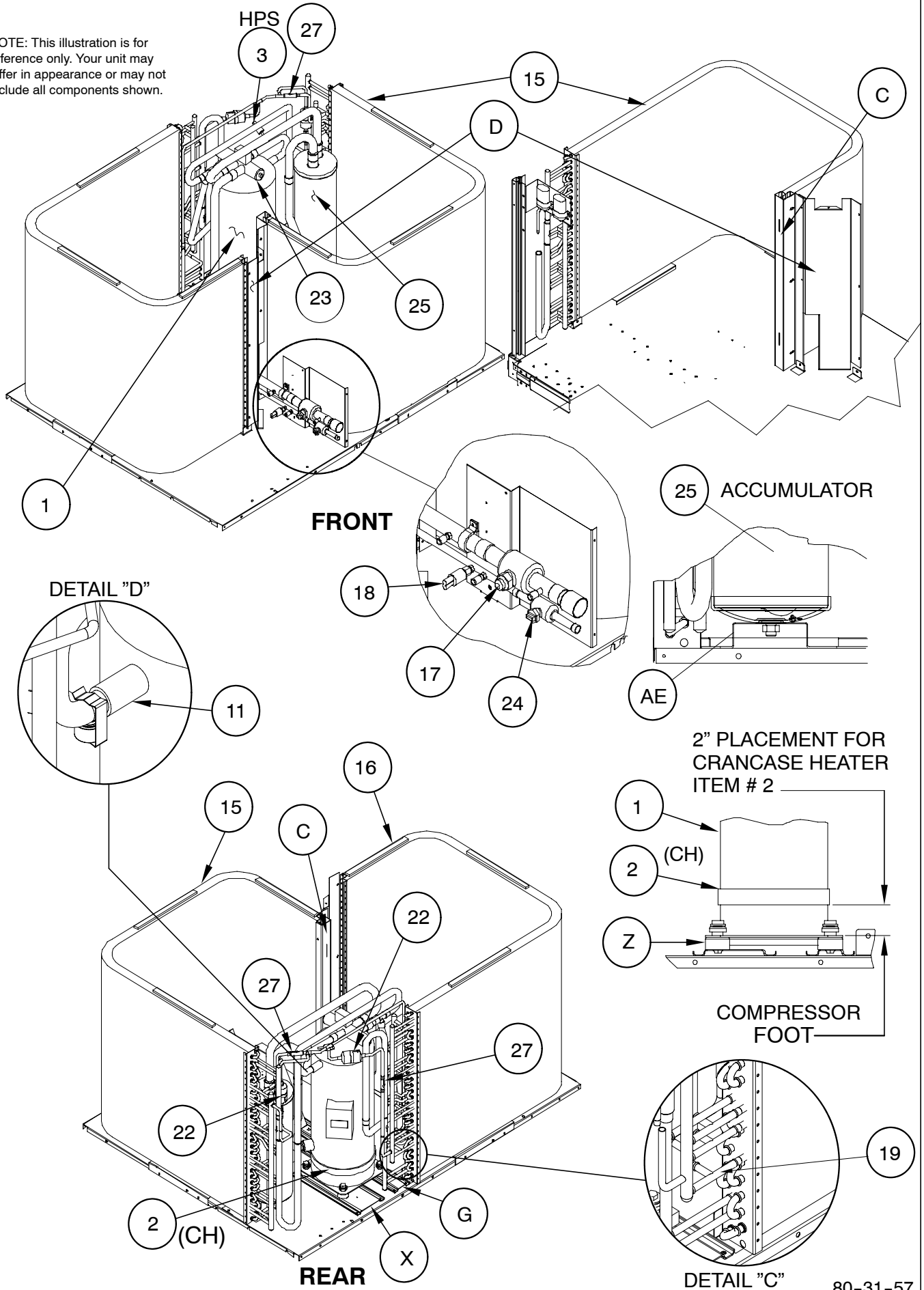
CHE091 Series 7.5 Ton

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CHE091 Series 7.5 Ton

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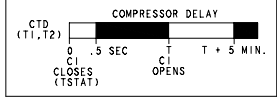
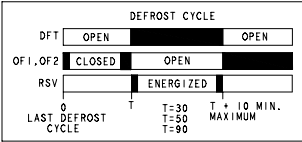
80-31-57

SCHEMATIC
230-3-60

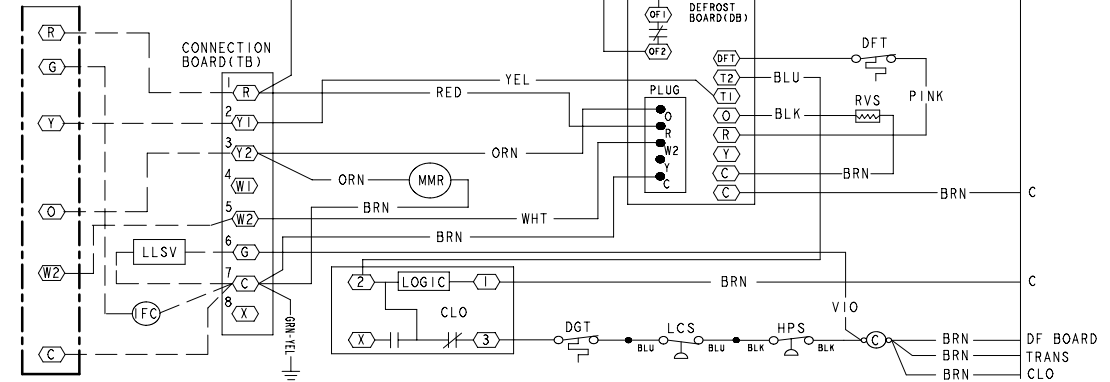
NOTES:

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. SET HEAT ANTICIPATOR AT .6.
4. USE COPPER CONDUCTORS ONLY.
5. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS.
6. 39VA AVAILABLE FOR FIELD INSTALLED ACCESSORIES
CONTROL POWER REQUIREMENT FOR HEATPUMP
CONDENSING UNIT IS 36VA (SEALED).
SUPPLIED CONTROL TRANSFORMER IS 75 VA.

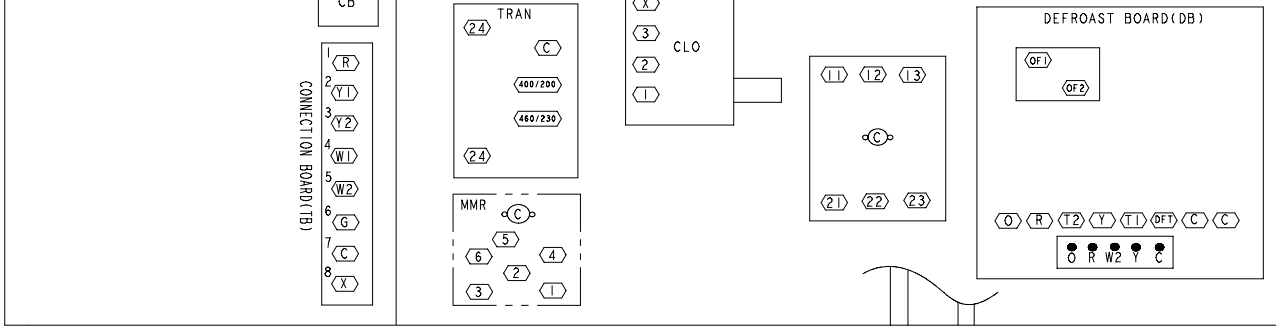
VOLTAGE	CB	MUST
RATING	MFG. PART NO.	TRIP
24V	POTTER & BRUMFIELD W28X-1024-3.2	AMPS



THERMOSTAT



CONTROL BOX
COMPONENT ARRANGEMENT



FIELD CONTROL
WIRING

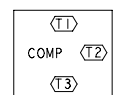
LEGEND

- 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
- C CONTACTOR, COMPRESSOR
- CAP CAPACITOR
- CB CIRCUIT BREAKER
- CH CRANKCASE HEATER
- CLO COMPRESSOR LOCKOUT
- COMP COMPRESSOR MOTOR
- DB DEFROST BOARD
- DFT DEFROST THERMOSTAT
- DGT DISCHARGE GAS THERMOSTAT
- EQUIP EQUIPMENT
- GND GROUND
- HPS HIGH PRESSURE SWITCH
- IFC INDOOR FAN CONTACTOR
- LLSV LIQUID LINE SOLENOID VALVE
- LCS LOSS OF CHARGE SWITCH
- MMR MOTORMASTER RELAY
- OFM OUTDOOR FAN MOTOR
- QT QUADRUPLE TERMINAL
- RVS REVERSING VALVE SOLENOID
- TB TERMINAL BLOCK
- TC THERMOSTAT-COOLING
- TH THERMOSTAT-HEATING
- TRAN TRANSFORMER

FIELD WIRING
DISCONNECT PER NEC

CAP

CAP



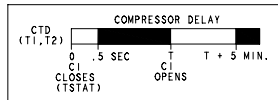
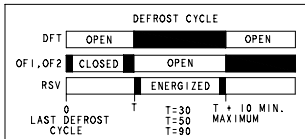
CHE091 460 - 3 - 60

SCHEMATIC
460-3-60

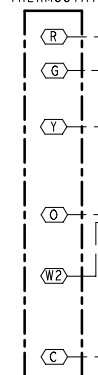
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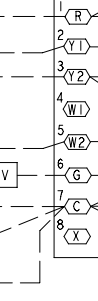
VOLTAGE RATING	CB MFG. PART NO.	MUST TRIP AMPS
24V	W28X-1024-3.2	3.2



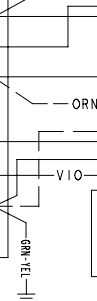
THERMOSTAT



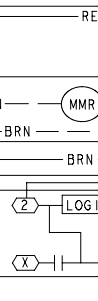
CONNECTION BOARD (TB)



DEFROAST BOARD (DB)



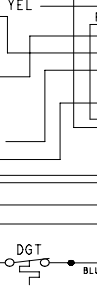
PLUG



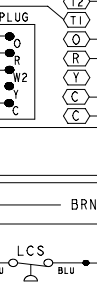
LOGIC



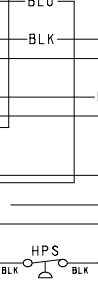
DEFROAST BOARD (DB)



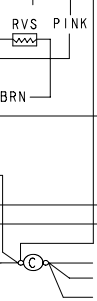
DEFROAST BOARD (DB)



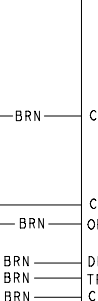
DEFROAST BOARD (DB)



DEFROAST BOARD (DB)



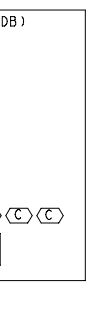
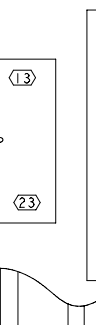
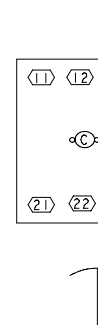
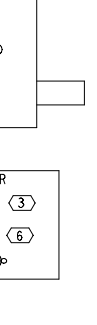
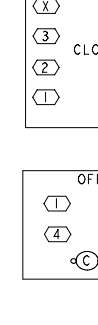
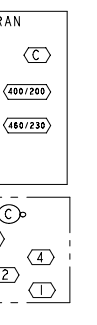
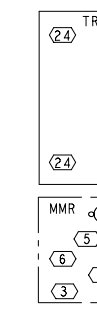
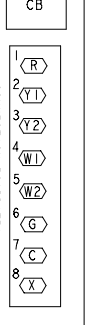
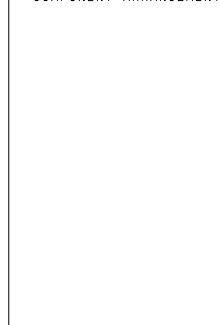
DEFROAST BOARD (DB)



DEFROAST BOARD (DB)



CONTROL BOX COMPONENT ARRANGEMENT



FIELD CONTROL WIRING

- FIELD SPICE
- MARKED WIRE
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- TERMINAL (UNMARKED)
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FIELD WIRING

DISCONNECT PER NEC

CAP

CAP

T1
COMP T2
T3

38AK540180 5.0