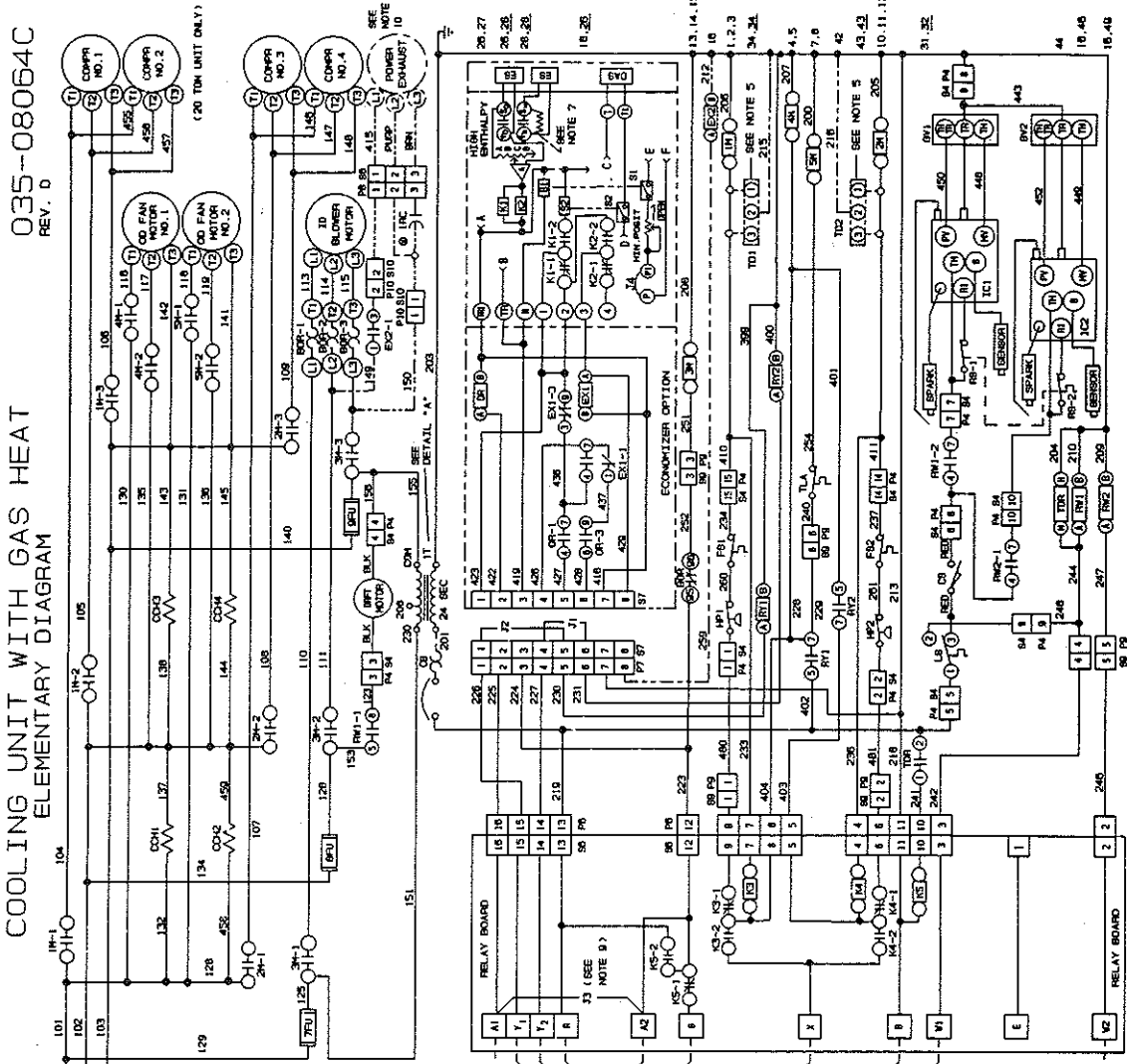


035-08064C
REV. D

COOLING UNIT WITH GAS HEAT
ELEMENTARY DIAGRAM



NOTES:

- FIELD WIRING PER (A) NATIONAL ELECT. CODE (NEC) AND/OR (B) LOCAL OR ELEC. CODES (CEC) AND/OR (C) LOCAL OR ELEC. CODES (CEC) AND/OR ELECTRICAL STANDARDS.
- WIRING PRACTICES & SYMBOLS PER API GRAPHIC.
- THE UNIT MUST BE REMOVED FROM THE WIRING WITH THE UNIT WIRE REMOVED FROM THE TERMINAL. TYPE A86 105 & 500V WIRE OR EQUIVALENT. WIRE WITH POINT SPECIFICATIONS WIRE TO DETAIL "A".
- 17.0. BLOWER MOTOR IS PERMANENTLY PROTECTED EXCEPT FOR THIS UNIT.
- WHEN TDI IS INSTALLED, WIRES 233 & 410 AT IM COIL ARE CONNECTED TO TERMINAL 3 OF TDI. WIRE 202 IS THEN WIRE 230 & 411 AT 2M COIL IS CONNECTED TO TERMINAL 5 OF TDI. WIRE 249 IS THEN CONNECTED TO 2M COIL.
- 17.0. BLOWER MOTOR IS PERMANENTLY PROTECTED EXCEPT FOR THIS UNIT.
- RESISTOR ACROSS 91 & 91 MUST BE INSTALLED FOR RETURN AIR. RESISTOR ACROSS 92 & 92 MUST BE INSTALLED FOR RETURN AIR. RESISTOR ACROSS 93 & 93 MUST BE INSTALLED FOR RETURN AIR. BREAKER SIZE AND HEAT CIRCUIT FUSE AS SHOWN.
- REMOVE JUMPER "J3" IF OCCUPIED SWITCH IS INSTALLED. OTHERWISE "J3" MUST BE INSTALLED BETWEEN "A1" AND "A2".
- OR LOW SPEED WIRE 415 AT MOTOR TERM. BLOCK PER MOTOR DIAGRAM.

LEGEND

CH-5 CRANKCASE HEATER
CS SWITCH, CENTRIFUGAL
S SENSOR, DISCHARGE AIR
RH-1 RH-2 RH-3 RH-4 RH-5 RH-6 RH-7 RH-8 RH-9 RH-10 RH-11 RH-12 RH-13 RH-14 RH-15 RH-16 RH-17 RH-18 RH-19 RH-20 RH-21 RH-22 RH-23 RH-24 RH-25 RH-26 RH-27 RH-28 RH-29 RH-30 RH-31 RH-32 RH-33 RH-34 RH-35 RH-36 RH-37 RH-38 RH-39 RH-40 RH-41 RH-42 RH-43 RH-44 RH-45 RH-46 RH-47 RH-48 RH-49 RH-50 RH-51 RH-52 RH-53 RH-54 RH-55 RH-56 RH-57 RH-58 RH-59 RH-60 RH-61 RH-62 RH-63 RH-64 RH-65 RH-66 RH-67 RH-68 RH-69 RH-70 RH-71 RH-72 RH-73 RH-74 RH-75 RH-76 RH-77 RH-78 RH-79 RH-80 RH-81 RH-82 RH-83 RH-84 RH-85 RH-86 RH-87 RH-88 RH-89 RH-90 RH-91 RH-92 RH-93 RH-94 RH-95 RH-96 RH-97 RH-98 RH-99 RH-100

3 HP BLOWER

FUSE SIZE (AMP)	480V
750	10A
750	35A
750	15A
750	10A
750	35A
750	15A

5 HP BLOWER

FUSE SIZE (AMP)	480V
750	10A
750	35A
750	15A
750	10A
750	35A
750	15A

ROOM THERMOSTAT 7100701024

26 THERMOSTAT, LOW EVAP. TEMPERATURE
27 THERMOSTAT, HIGH EVAP. TEMPERATURE
28 THERMOSTAT, LOW AMBIENT TEMPERATURE
29 THERMOSTAT, HIGH AMBIENT TEMPERATURE
30 THERMOSTAT, ROOM 24V CONTROL
31 THERMOSTAT, ROOM 24V CONTROL
32 THERMOSTAT, ROOM 24V CONTROL
33 THERMOSTAT, ROOM 24V CONTROL
34 THERMOSTAT, ROOM 24V CONTROL
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54 THERMOSTAT, ROOM 24V CONTROL
55 THERMOSTAT, ROOM 24V CONTROL

OPTIONAL WIRING AND DEVICES

FIELD WIRING
CAPACITOR
TERMINAL ON RUN
VOLTAGE, 4 PIN ON EVAP. PARTITION
SOCKET-PLUS CONNECTION, UNIT
VOLTAGE, 15 PIN ON COND. PARTITION
SOCKET-PLUS CONNECTION, 24V
15 PIN ON RELAY BOARD
SOCKET-PLUS CONNECTION, UNIT
VOLTAGE, 9 PIN ON COND. PARTITION
SOCKET-PLUS CONNECTION, UNIT
SOCKET-PLUS CONNECTION, ECON. SECTION
9 PIN ON 24V CONTROL BOX PARTITION
SOCKET-PLUS CONNECTION, BOX PARTITION
2 PIN ON CONDENSER PARTITION
FUSES (SEE CHART)

Supersedes: Nothing
Subject to change without notice. Printed in U.S.A.

DRW 3M 290 .10

Codes: WBY, WBW

035-08482

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