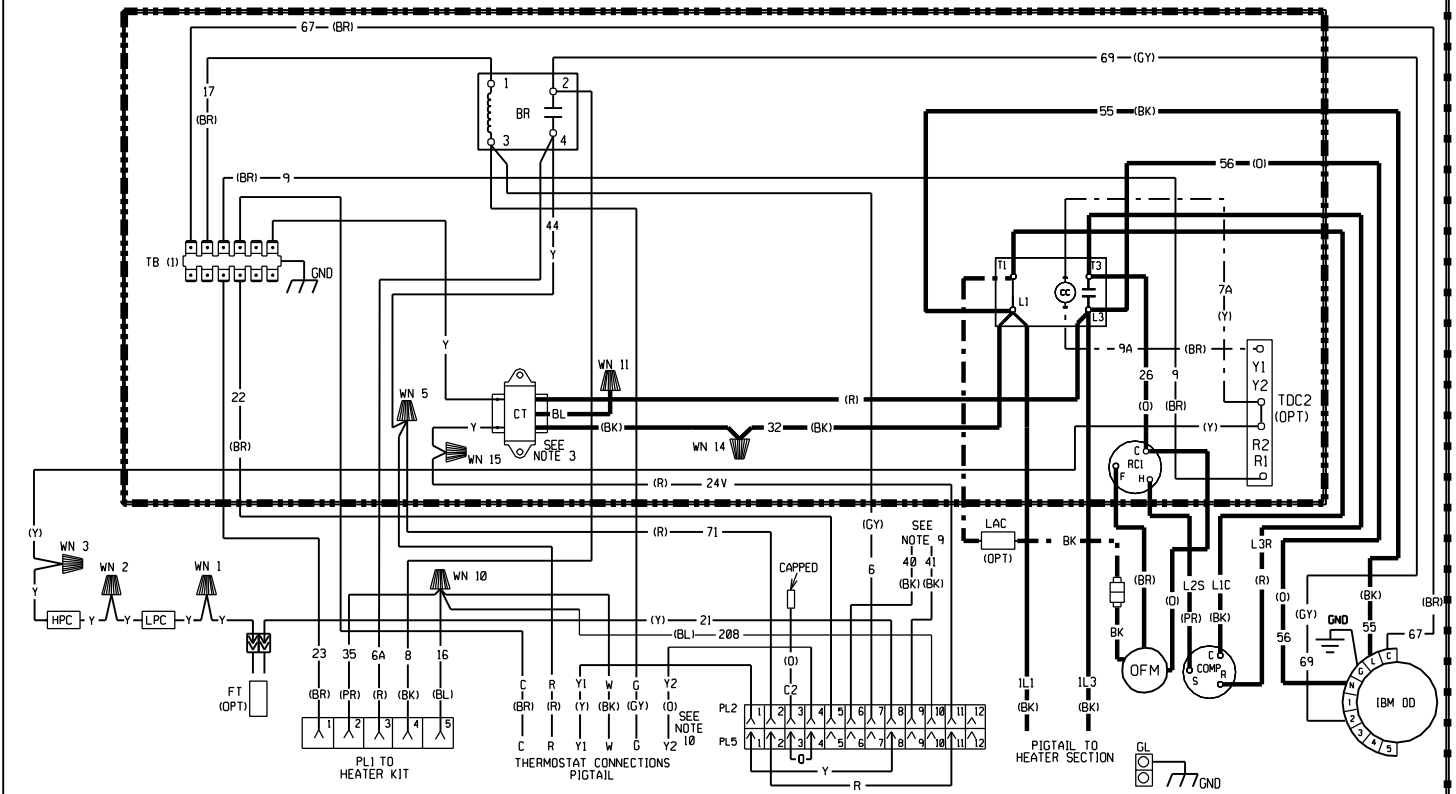
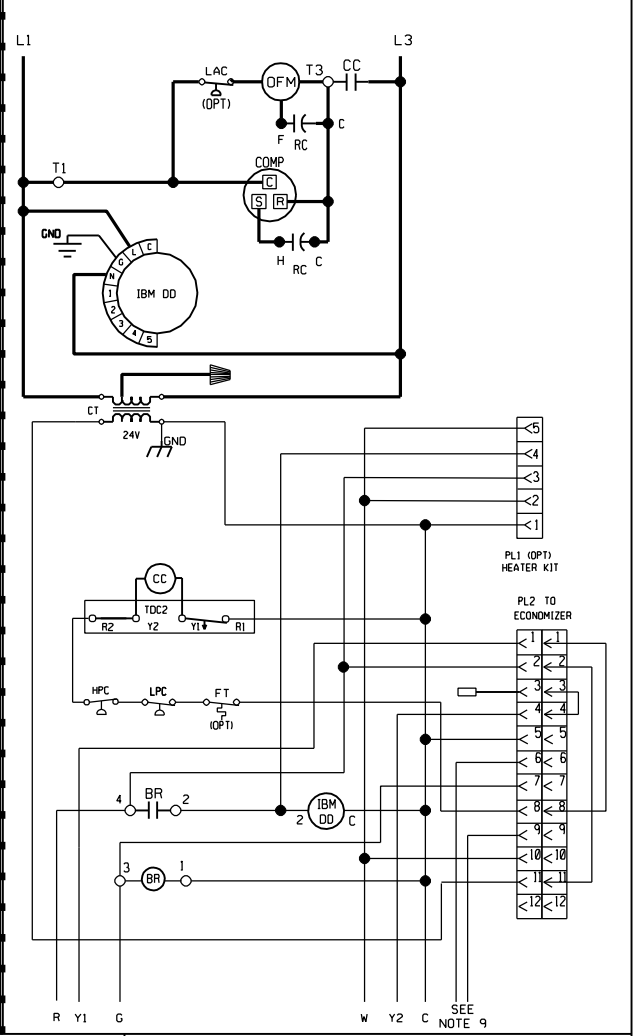
## WIRING DIAGRAM



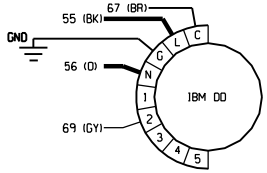

SEE "DETAIL A" FOR FACTORY SETTINGS.
SEE NOTE 7

## WIRING SCHEMATIC




## DETAIL "A"

BLOWER MOTOR WIRING CONNECTION FOR DIRECT DRIVE ONLY




| NOMINAL COOLING CAPACITY | MOTOR SPEED FROM FACTORY | | AVAILABLE SPEEDS |
|---|---|---|---|
| | HEAT | COOL | |
| 3 TON | LOW (TAP 2) | LOW (TAP 2) | LOW (TAP 2) |
| | | | MED (TAP 3) |
| | | | HIGH (TAP 4) |
| 3.5, 4 TON | MED (TAP 2) | MED (TAP 2) | LOW (TAP 1) |
| | | | MED (TAP 2) |
| | | | MED (TAP 3) |
| | | | HIGH (TAP 4) |
| 5 TON | MED (TAP 2) | MED (TAP 2) | LOW (TAP 1) |
| | | | MED (TAP 2) |
| | | | HIGH (TAP 3) |

## COMPONENT CODE

| | |
|---|---|
| BR | BLOWER RELAY |
| CC | COMPRESSOR CONTACTOR |
| COMP | COMPRESSOR |
| CT | CONTROL TRANSFORMER |
| FT | FREEZE STAT |
| GL | GROUND LUG |
| GND | GROUND |
| HPC | HIGH PRESSURE CONTROL |
| IBMDD | IDOOR BLOWER MOTOR DIRECT DRIVE |
| LAC | LOW AMBIENT COOLING CONTROL |
| LPC | LOW PRESSURE CONTROL |
| OFM | OUTDOOR FAN MOTOR |
| PL | PLUG |
| RC | RUN CAPACITOR |
| TB | TERMINAL BLOCK (LOW VOLTAGE) |
| TDC | TIME DELAY CONTROL |
| WN | WIRE NUT |

## NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTROL TRANSFORMER PRIMARY LEADS; RED-COM., BLUE-208V., BLACK-230V.. TRANSFORMER FACTORY WIRED FOR 230 VOLTS ON "J" & "C" MODELS. INTERCHANGE BLACK & BLUE LEADS FOR 208 VOLT OPERATION.
4. CONTACTOR FACTORY WIRED. CONNECT FIELD WIRE TO FACTORY SUPPLIED PIGTAIL.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER. 24V,50/60 HZ SUPPLIED.
6. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
7. MOTOR FACTORY WIRED FOR CORRECT SPEED.
8. SEE FUSE LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND CLASSIFICATION.
9. WIRES FROM PL2 (6 & 9) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
10. Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.

## WIRING INFORMATION

LINE VOLTAGE
- -FACTORY STANDARD
- -FACTORY OPTION
- -FIELD INSTALLED

LOW VOLTAGE
- -FACTORY STANDARD
- -FACTORY OPTION
- -FIELD INSTALLED

REPLACEMENT WIRE
- -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)

WARNING
- -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

## WIRE COLOR CODE

| | | | |
|---|---|---|---|
| BK | BLACK | O | ORANGE |
| BR | BROWN | PR | PURPLE |
| BL | BLUE | R | RED |
| G | GREEN | W | WHITE |
| GY | GRAY | Y | YELLOW |

# ELECTRICAL WIRING DIAGRAM
## 208 / 230, 1 PHASE
## DIRECT DRIVE / X-MOTOR
## PACKAGE AIR CONDITIONER

| DR. BY | APP. BY | DATE | DWG. NO. | REV |
|---|---|---|---|---|
| MGR | | 2-11-13 | 90-23597-24 | 01 |