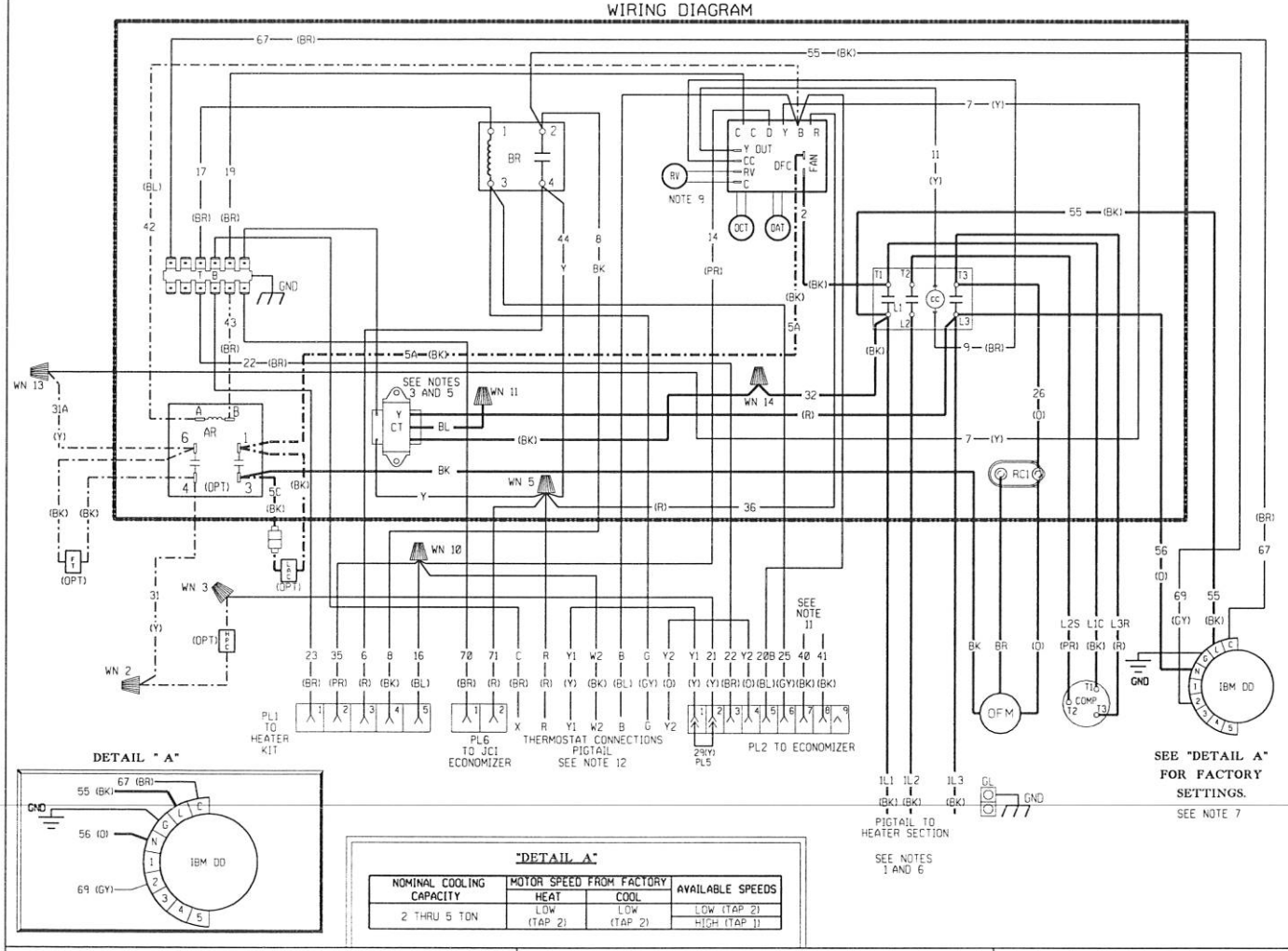
## WIRING DIAGRAM



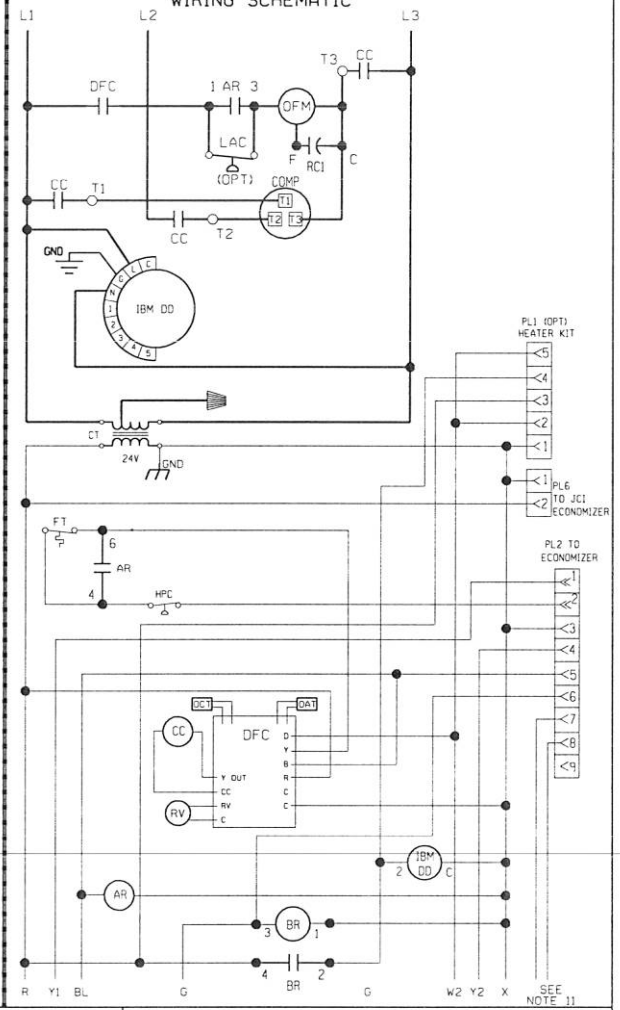

### DETAIL " A"




"DETAIL A"

| NOMINAL COOLING CAPACITY | MOTOR SPEED FROM FACTORY | | AVAILABLE SPEEDS |
|---|---|---|---|
| | HEAT | COOL | |
| 2 THRU 5 TON | LOW (TAP 2) | LOW (TAP 2) | LOW (TAP 2)<br>HIGH (TAP 1) |

## WIRING SCHEMATIC




## COMPONENT CODE

| | |
|---|---|
| AR | ACCESSORY RELAY |
| BR | BLOWER RELAY |
| CC | COMPRESSOR CONTACTOR |
| COMP | COMPRESSOR |
| CT | CONTROL TRANSFORMER |
| DFC | DEFROST CONTROL |
| DR | DEFROST RELAY |
| FT | FREEZE STAT |
| GL | GROUND LUG |
| GND | GROUND |
| HPC | HIGH PRESSURE CONTROL |
| IBM | INDOOR BLOWER MOTOR |
| LAC | LOW AMBIENT CONTROL |
| OAT | OUTDOOR AMBIENT TEMP |
| OCT | OUTDOOR COIL TEMP |
| OFM | OUTDOOR FAN MOTOR |
| OPT | OPTIONAL |
| PL | PLUG |
| RC | RUN CAPACITOR |
| RV | REVERSING VALVE |
| TB | TERMINAL BLOCK |
| TDC | TIME DELAY CONTROL |
| WN | WIRE NUT |

## NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. 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 CONTACTOR WIRES IN ELECTRICAL BOX.
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. REVERSING VALVE ENERGIZED IN HEATING.
10. ALL SWITCHES ARE SHOWN IN COOLING POSITION.
11. WIRES FROM PL2 (7 & 8) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
12. 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. AND LOCAL CODES AS APPLICABLE.

## WIRE COLOR CODE

| | | |
|---|---|---|
| BK__BLACK | GY__GRAY | R___RED |
| BR__BROWN | O___ORANGE | W___WHITE |
| BL__BLUE | PK__PINK | Y___YELLOW |
| G___GREEN | PR__PURPLE | |

# ELECTRICAL WIRING DIAGRAM

## 208 / 230, 3 PHASE DIRECT DRIVE / X-MOTOR HEAT PUMP

| DR. BY | APP. BY | DATE | DWG. NO. | REV |
|---|---|---|---|---|
| MCB | MEB | 5-27-05 | 90-23595-14 | 05 |