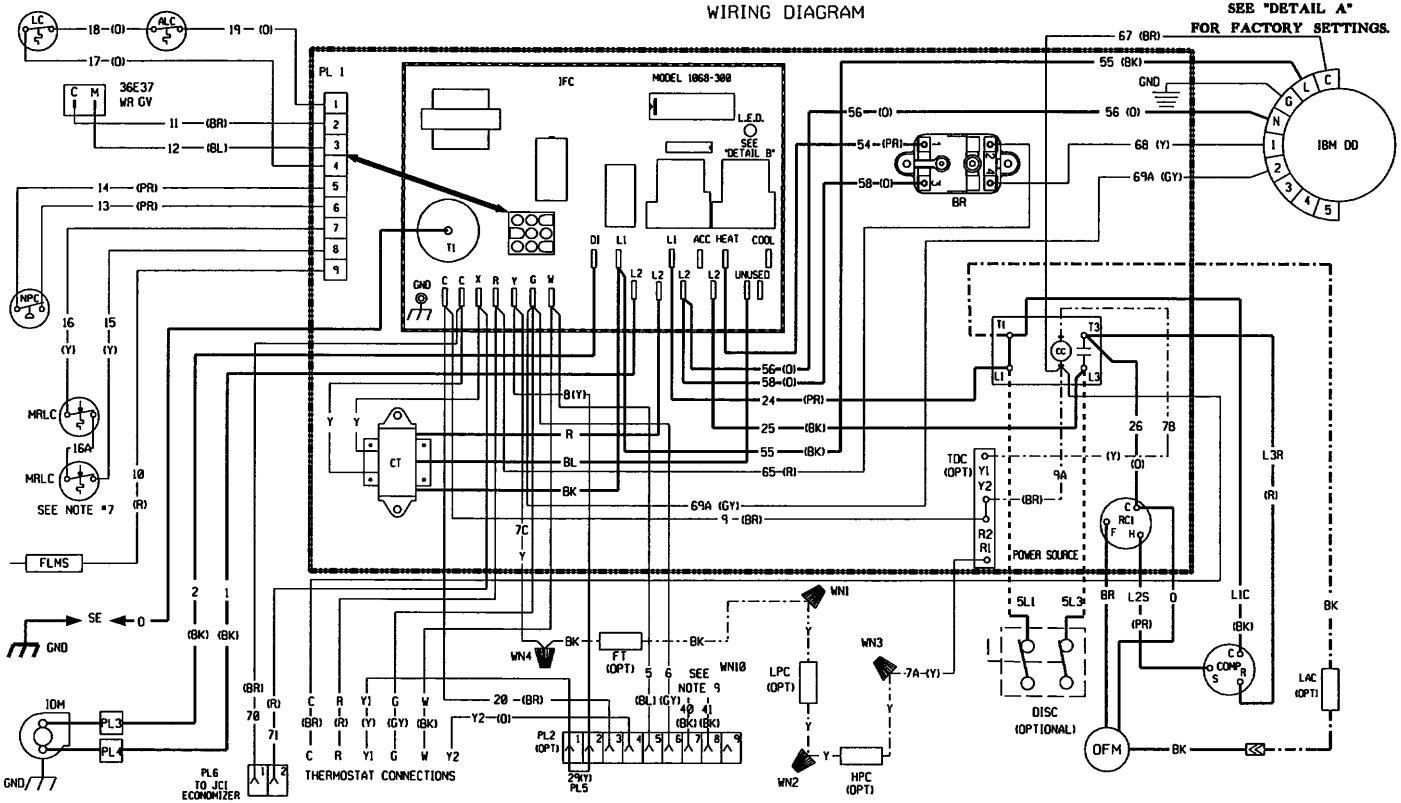
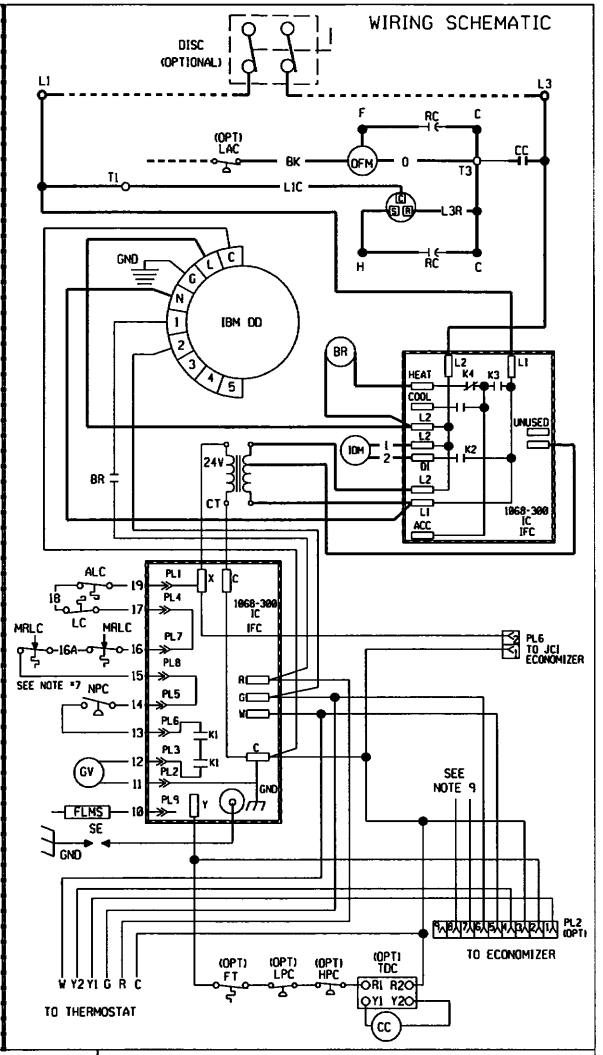
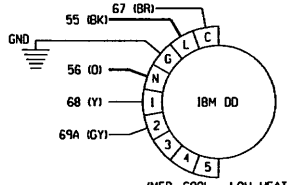




DETAIL "A"

NOMINAL COOLING CAPACITY	MOTOR SPEED FROM FACTORY		AVAILABLE SPEEDS
	HEAT	COOL	
3 TON	80K MED (TAP 3)	LOW (TAP 2)	LOW (TAP 2)
			MED (TAP 3)
	120K HIGH (TAP 4)		HIGH (TAP 4)
3.5 AND 4 TON	80K LOW (TAP 1)	MED (TAP 2)	LOW (TAP 1)
			MED (TAP 2)
	120K MED (TAP 3)		MED (TAP 3)
			HIGH (TAP 4)
5 TON	100K LOW (TAP 1)	MED (TAP 2)	LOW (TAP 1)
			MED (TAP 2)
	135K HIGH (TAP 3)		HIGH (TAP 3)

DIFFERENT SPEEDS FOR COOLING & HEATING



(MED. COOL - LOW HEAT SHOWN)

DETAIL "B"

DIAGNOSTICS

1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME.

2 FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.

3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.

4 FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.

5 FLASH - FLAME ROLL OUT SWITCH OPEN.

COMPONENT CODE

ALC	AUX. LIMIT CONTROL	MRLC	MANUAL RESET LIMIT CONTROL
BR	BLOWER RELAY	NPC	NEGATIVE PRESSURE CONTROL
CC	COMPRESSOR CONTACTOR	OFM	OUTDOOR FAN MOTOR
COMP	COMPRESSOR	PL	PLUG
CT	CONTROL TRANSFORMER	RC	RUN CAPACITOR
DISC	DISCONNECT SWITCH	SE	SPARK ELECTRODE
FLMS	FLAME SENSOR	TDC	TIME DELAY CONTROL
FT	FREEZE STAT	WN	WIRE NUT
GL	GROUND LUG		
GND	GROUND		
GV	GAS VALVE		
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR DIRECT DRIVE		
IDM	INDUCED DRAFT MOTOR		
IFC	INTERGRATED FURNACE CONTROL		
LAC	LOW AMBIENT COOLING CONTROL		
LC	LIMIT CONTROL		
LPC	LOW PRESSURE CONTROL		

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-COMMON, BLUE-208V, BLACK-230V. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. INTERCHANGE BLACK FOR BLUE LEADS FOR 208V OPERATION.
4. CONTACTOR FACTORY WIRED. CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR 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. ONLY ONE MRLC IS NEEDED ON THE 80,000 INPUT UNIT.
8. MOTOR FACTORY WIRED FOR CORRECT SPEED.
9. WIRES FROM PL2 (7 & 8) 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. 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, 1 PHASE DIRECT DRIVE w/ X-MOTOR

DR. BY	APP. BY	DATE	DWG. NO.	REV
MCB		5-5-05	90-23596-21	06

DWG. NO. 90-23596-21 REV 06