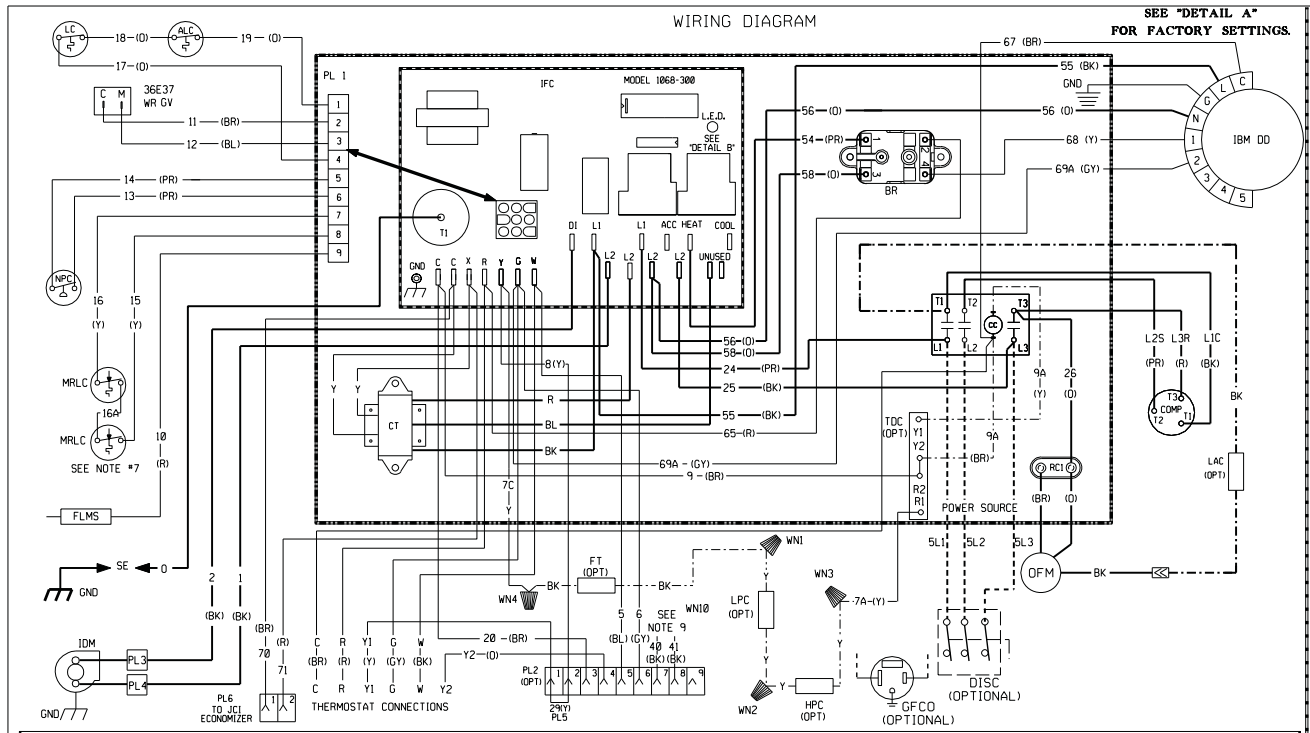
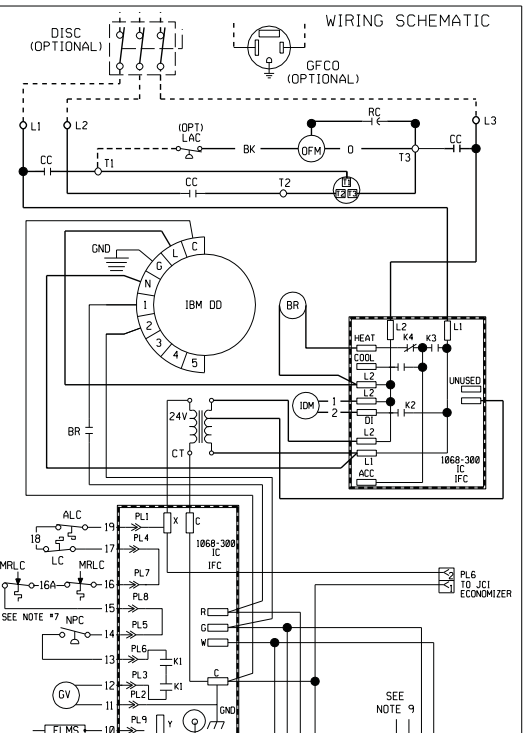
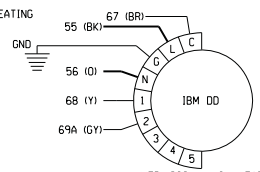




DETAIL "A"

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
BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
COMP	COMPRESSOR
CT	CONTROL TRANSFORMER
FLMS	FLAME SENSOR
FT	FREEZE STAT
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
MRLC	MANUAL RESET LIMIT CONTROL
NPC	NEGATIVE PRESSURE CONTROL
OFM	OUTDOOR FAN MOTOR
PL	PLUG
RC	RUN CAPACITOR
SE	SPARK ELECTRODE
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-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. CONTACT 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., 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, 3 PHASE DIRECT DRIVE w/ X-MOTOR

DR. BY	APP. BY	DATE	DWG. NO.	REV
MCB		6-16-05	90-23596-27	06