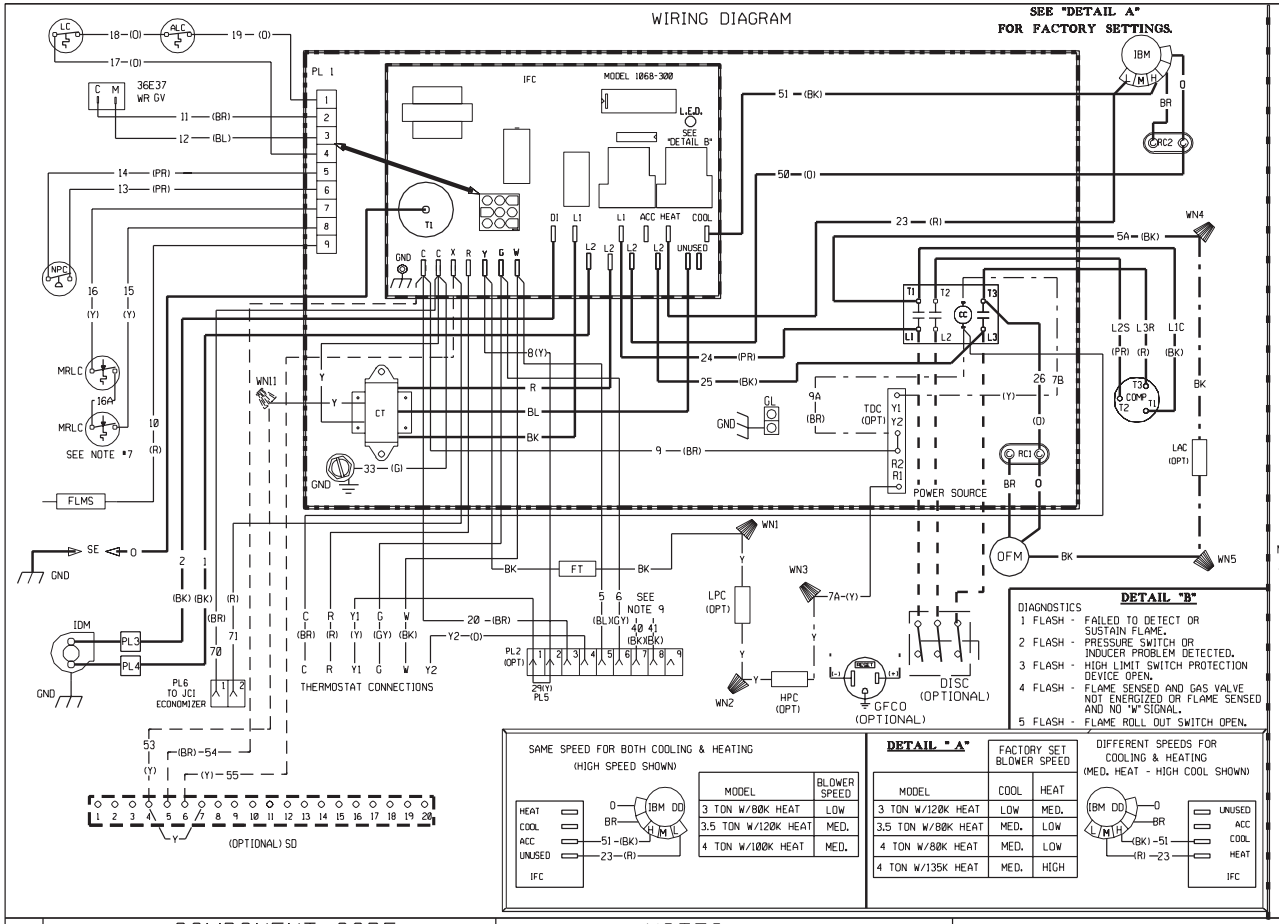


DETAIL "B"

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.

SAME SPEED FOR BOTH COOLING & HEATING
(HIGH SPEED SHOWN)

MODEL	BLOWER SPEED
3 TON W/80K HEAT	LOW
3.5 TON W/120K HEAT	MED.
4 TON W/100K HEAT	MED.

DETAIL "A"

MODEL	FACTORY SET BLOWER SPEED: COOL	HEAT
3 TON W/120K HEAT	LOW	MED.
3.5 TON W/80K HEAT	MED.	LOW
4 TON W/80K HEAT	MED.	LOW
4 TON W/135K HEAT	MED.	HIGH

DIFFERENT SPEEDS FOR COOLING & HEATING
(MED. HEAT - HIGH COOL SHOWN)

COMPONENT CODE

ALC	AUX. LIMIT CONTROL	MRLC	MANUAL RESET LIMIT CONTROL
CC	COMPRESSOR CONTACTOR	NPC	NEGATIVE PRESSURE CONTROL
COMP	COMPRESSOR	OFM	OUTDOOR FAN MOTOR
CT	CONTROL TRANSFORMER	PL	PLUG
DISC	DISCONNECT SWITCH	RC	RUN CAPACITOR
FLMS	FLAME SENSOR	SD	SMOKE DETECTOR
FT	FREEZE STAT	SE	SPARK ELECTRODE
GFCO	GROUND FAULT CONVENIENCE OUTLET	TDC	TIME DELAY CONTROL
GL	GROUND LUG	WN	WIRE NUT
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	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

DWG. NO.	REV
90-23596-22	00

DR. BY	APP. BY	DATE	DWG. NO.	REV
MCB		5-19-05	90-23596-22	00