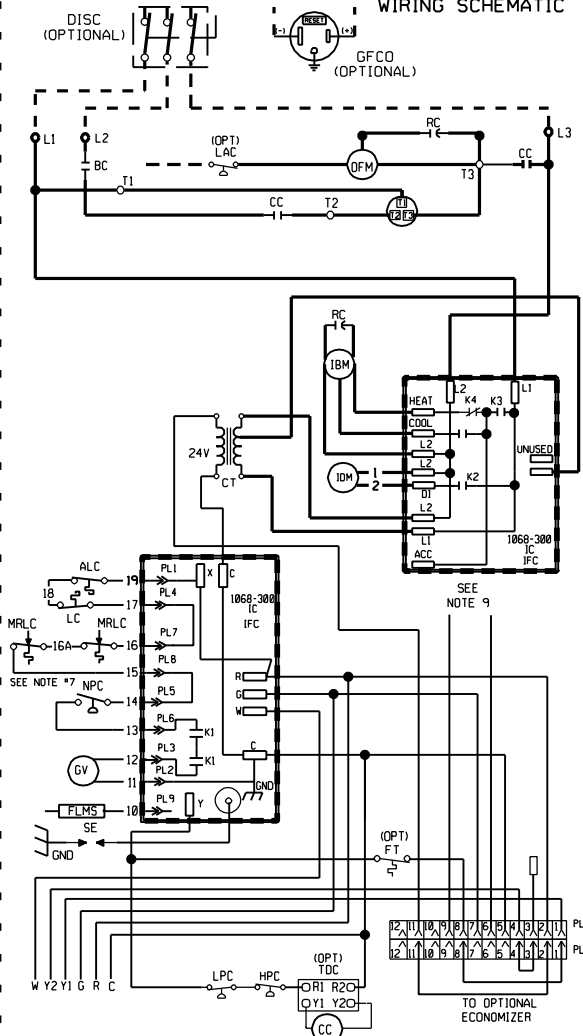
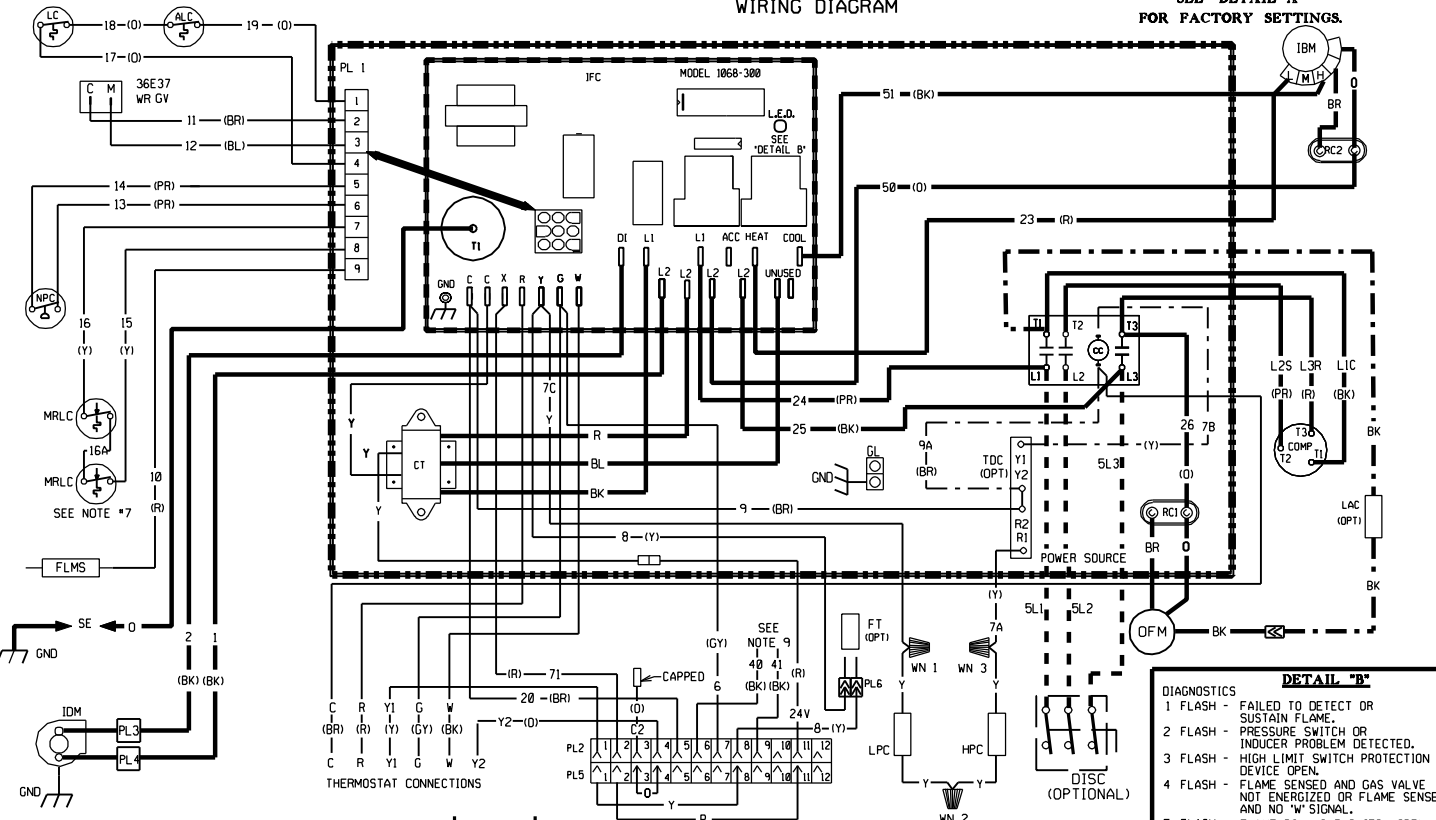


WIRING DIAGRAM

SEE "DETAIL A"
FOR FACTORY SETTINGS.

WIRING SCHEMATIC



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)

HEAT	COOL	ACC	UNUSED	IFC
0	51-(BK)	23-(R)		

DETAIL "A"

MODEL	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
5 TON W/100K HEAT	MED.	LOW
5 TON W/135K HEAT	MED.	HIGH

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

MODEL	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
5 TON W/100K HEAT	MED.	LOW
5 TON W/135K HEAT	MED.	HIGH

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:

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
- CONTROL TRANSFORMER PRIMARY LEADS: RED-COMMON, BLUE-208V, BLACK-230V. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. INTERCHANGE BLACK FOR BLUE LEADS FOR 208V OPERATION.
- CONTACTOR FACTORY WIRED. CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
- CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
- ONLY ONE MRLC IS NEEDED ON THE 80,000 INPUT UNIT.
- MOTOR FACTORY WIRED FOR CORRECT SPEED.
- WIRES FROM PL2 16 & 9) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
- 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.M.I.)

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