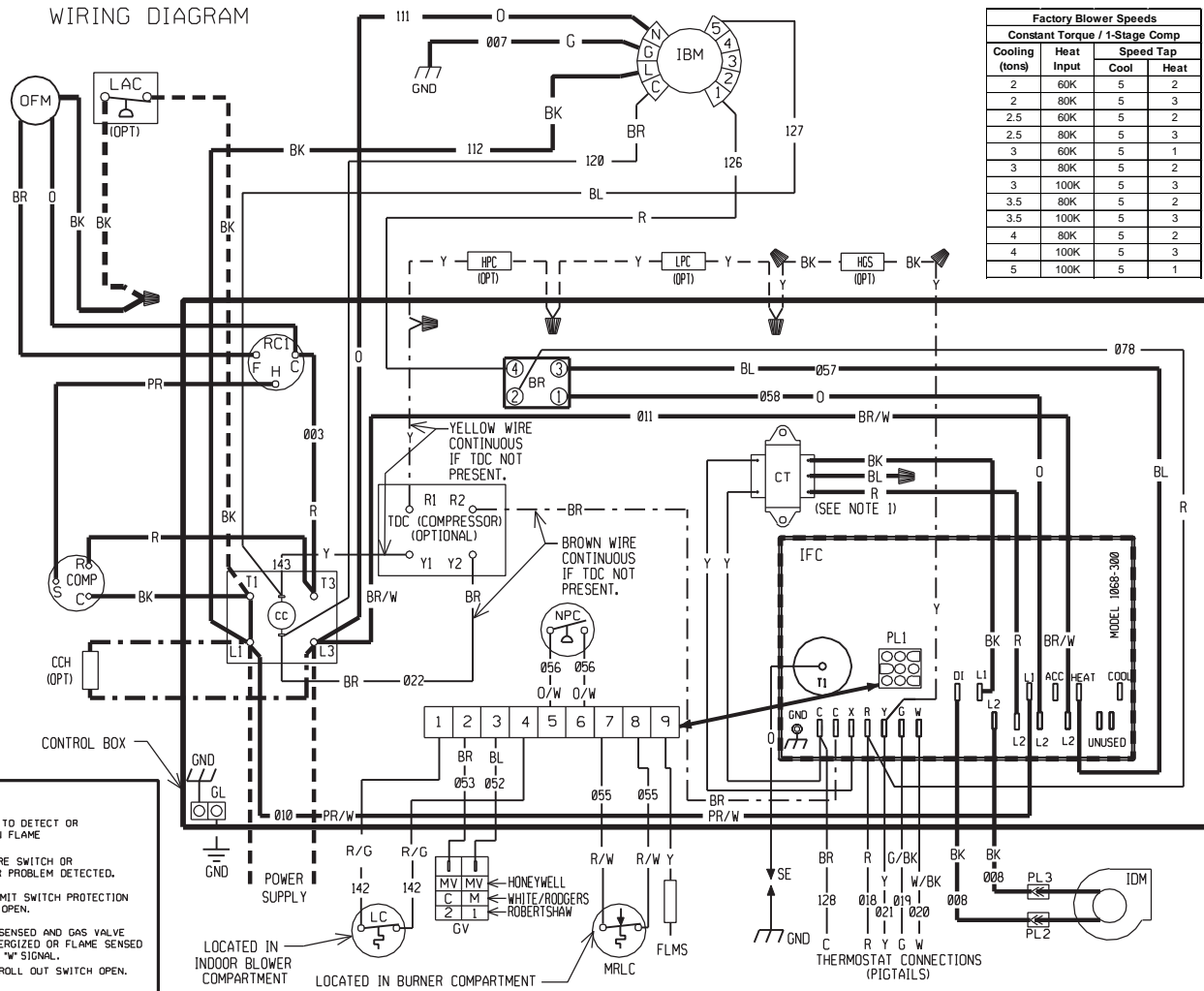


# WIRING DIAGRAM



Factory Blower Speeds Constant Torque / 1-Stage Comp				
Cooling (tons)	Heat Input	Cool	Speed	Heat
2	60K	5	2	
2	80K	5	3	
2.5	60K	5	2	
2.5	80K	5	3	
3	60K	5	1	
3	80K	5	2	
3.5	100K	5	3	
3.5	80K	5	2	
4	80K	5	2	
4	100K	5	3	
5	100K	5	1	

- DIAGNOSTICS**
- FLASH - FAILED TO DETECT OR SUSTAIN FLAME
  - FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
  - FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
  - FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "M" SIGNAL.
  - FLASH - FLAME ROLL OUT SWITCH OPEN.

## WIRING INFORMATION

LINE VOLTAGE  
 -FACTORY STANDARD \_\_\_\_\_  
 -FACTORY OPTION - - - - -  
 -FIELD INSTALLED - - - - -

LOW VOLTAGE  
 -FACTORY STANDARD \_\_\_\_\_  
 -FIELD INSTALLED - - - - -

REPLACEMENT WIRE  
 -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105C. 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.

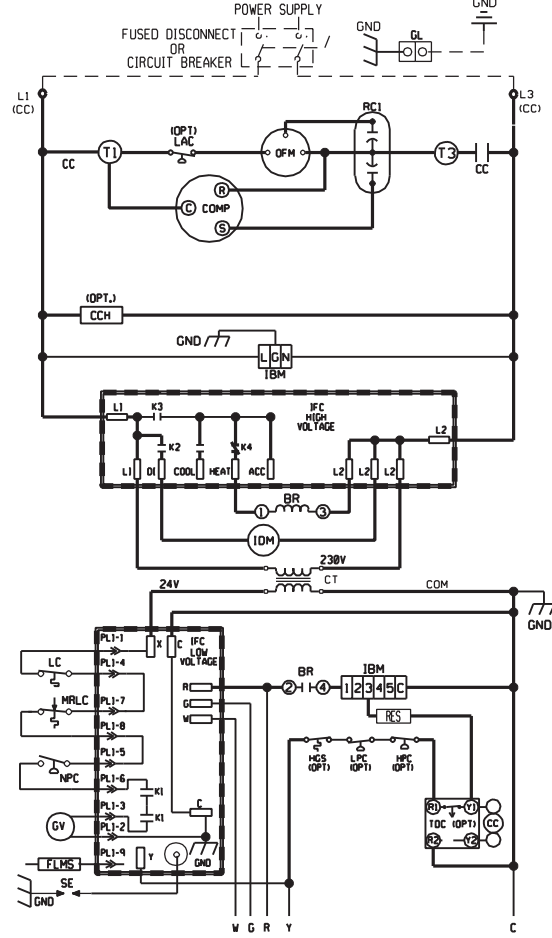
## NOTES

- MAIN UNIT TRANSFORMER PRIMARY LEADS: 60 HZ. RED-COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
- MOTORS & COMPRESSOR THERMALLY PROTECTED.
- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- CONNECT FIELD WIRING IN GROUNDED RAINIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
- REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.

## COMPONENT CODES

- |                                 |                               |
|---------------------------------|-------------------------------|
| BR BLOWER RELAY                 | LC LIMIT CONTROL              |
| CC COMPRESSOR CONTACTOR         | LPC LOW PRESSURE CONTROL      |
| CCH CRANKCASE HEATER            | MRLC MAN. RESET LIMIT CONTROL |
| COMP COMPRESSOR                 | NPC NEG. PRESSURE CONTROL     |
| CT CONTROL TRANSFORMER          | OFM OUTDOOR FAN MOTOR         |
| FLMS FLAME SENSOR               | OPT OPTIONAL                  |
| GL GROUND LUG                   | PL PLUG                       |
| GND GROUND                      | RC RUN CAPACITOR              |
| GV GAS VALVE                    |                               |
| HPC HIGH PRESSURE CONTROL       | SE SPARK ELECTRODE            |
| IBM INDOOR BLOWER MOTOR         | TDC TIME DELAY CONTROL        |
| IDM INDUCED DRAFT MOTOR         | WIRE NUT                      |
| IFC INTEGRATED FURNACE CONTROL  |                               |
| IGS GAS SENSOR                  |                               |
| LAC LOW AMBIENT COOLING CONTROL |                               |

# WIRING SCHEMATIC



**WIRE COLOR CODE**

BK.....BLACK	G.....GREEN	PR.....PURPLE
BR.....BROWN	GY.....GRAY	R.....RED
BL.....BLUE	O.....ORANGE	W.....WHITE
	Y.....YELLOW	

**ELECTRICAL WIRING DIAGRAM**

2.0 - 5.0 TON SINGLE STAGE GAS/ELECTRIC W/ INTEGRATED FURNACE CONTROL W/ CONSTANT TORQUE BLOWER MOTOR 208/230V, 1-PHASE

APPROVED:	CHECKED:	ORIGINAL RELEASE NO.:
MODELED BY: ZJW	DATE: 05-07-14	R-1059S015
PART NO.:	90-23626-24	REV: 00