

DISCONNECT & WIRE SIZES			
VOLTAGE	ELECTRIC SIZE	WIRE GA	DISCONNECT SIZE
208-230/3/60	9	18.8/21.7	60
	18	36.3/41.9	60
	30	60/69.3	100
	35	72.6/83.7	125
460/3/60	9	11.9	60
	18	21.7	60
	30	34.6	60
	35	41.9	60
575/3/60	10	10.04	60
	20	20.08	60
	30	30.12	60
	40	40.16	60

- NOTES**
1. DISCONNECT ALL POWER BEFORE SERVICING.
 2. CAUTION: IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, IT MUST BE REPLACED WITH WIRING MATERIAL HAVING A TEMPERATURE RATING OF AT LEAST 105 DEGREES C.,
 3. LINE AND BLOWER MOTOR BRANCH CIRCUIT WIRE SHOULD BE OF A SIZE TO PREVENT VOLTAGE DROP BEYOND FIVE PERCENT OF SUPPLY LINE VOLTAGE.
 4. SEE RATING PLATE LABEL FOR MCA, TO DETERMINE LINE FEED COPPER WIRE SIZE. LINE FEEDS CONNECT TO THE LOCKABLE DISCONNECT OR DISTRIBUTION BLOCKS.
 5. USE #18 GA. WIRE FOR 24 VOLT CONTROL WIRING ON UNIT.
 6. WHEN PROVIDING OR REPLACING FUSES IN THE FUSIBLE DISCONNECT SWITCH USE DUAL ELEMENTS TIME DELAY FUSES AND SIZE ACCORDING TO 1.25 TIMES THE MAXIMUM TOTAL INPUT AMPS.
 7. ALL MOTORS MARKED IOL HAVE INTERNAL LINE BREAK.
 8. FUSIBLE DISCONNECT IS FIELD FURNISHED OR AVAILABLE FROM FACTORY AS AN OPTION.
 9. THE LINE SIDE OF THE DISCONNECT SWITCH MUST BE CONNECTED TO THE INCOMING POWER SUPPLY SUCH THAT THE VOLTAGE BETWEEN L1 AND GROUND IS THE GREATER VALUE.
 10. ALL 24 VAC LOW VOLTAGE CONNECTIONS TO UNIT MUST BE CLASS 2.

WIRING CODE
 BLACK - BK
 BROWN - BR
 RED - RD
 ORANGE - OR
 YELLOW - YE
 GREEN - GN
 BLUE - BL
 VIOLET - VI
 WHITE - WH
 GRAY - GY

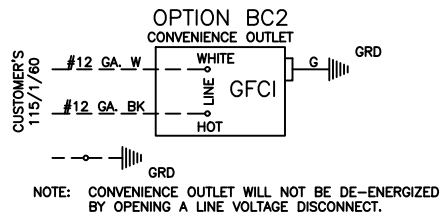
FIELD CONTROL WIRING		
TOTAL WIRE LENGTH	MINIMUM WIRE SIZE	RECOMMENDED WIRE SIZE
150 FEET	#18 GA.	#18 GA.
250 FEET	#16 GA.	#16 GA.
350 FEET	#14 GA.	#14 GA.

————— FACTORY WIRING
 - - - - - FIELD WIRING

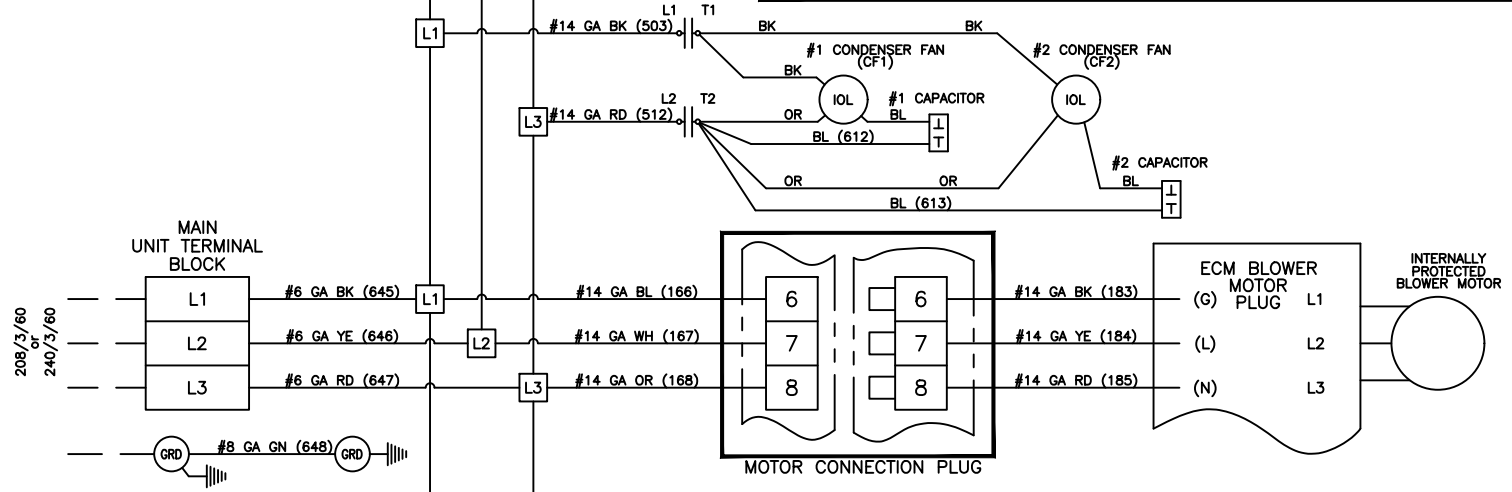
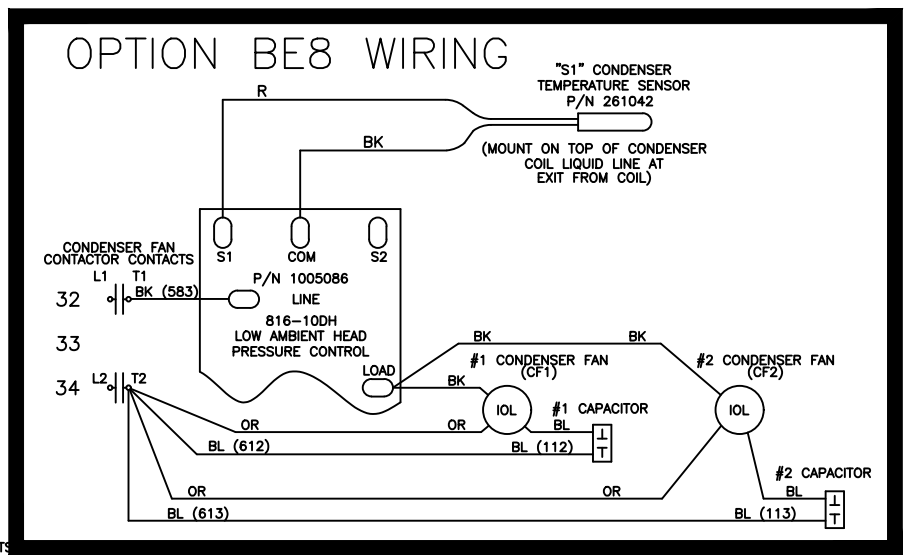
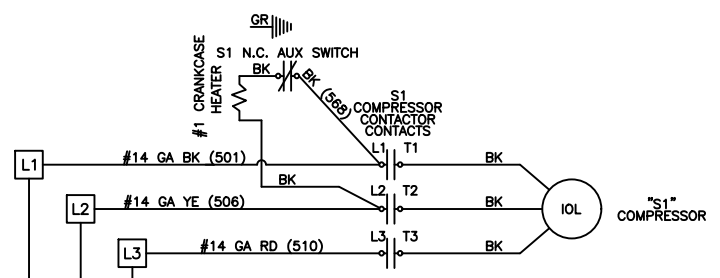
□ TERMINAL BLOCK -- UNIT PANEL (HIGH VOLTAGE SECTION)
 ◇ TERMINAL BLOCK -- UNIT PANEL (LOW VOLTAGE SECTION)

□ L1
 □ L2
 □ L3

◇ L1
 ◇ L2
 ◇ L3

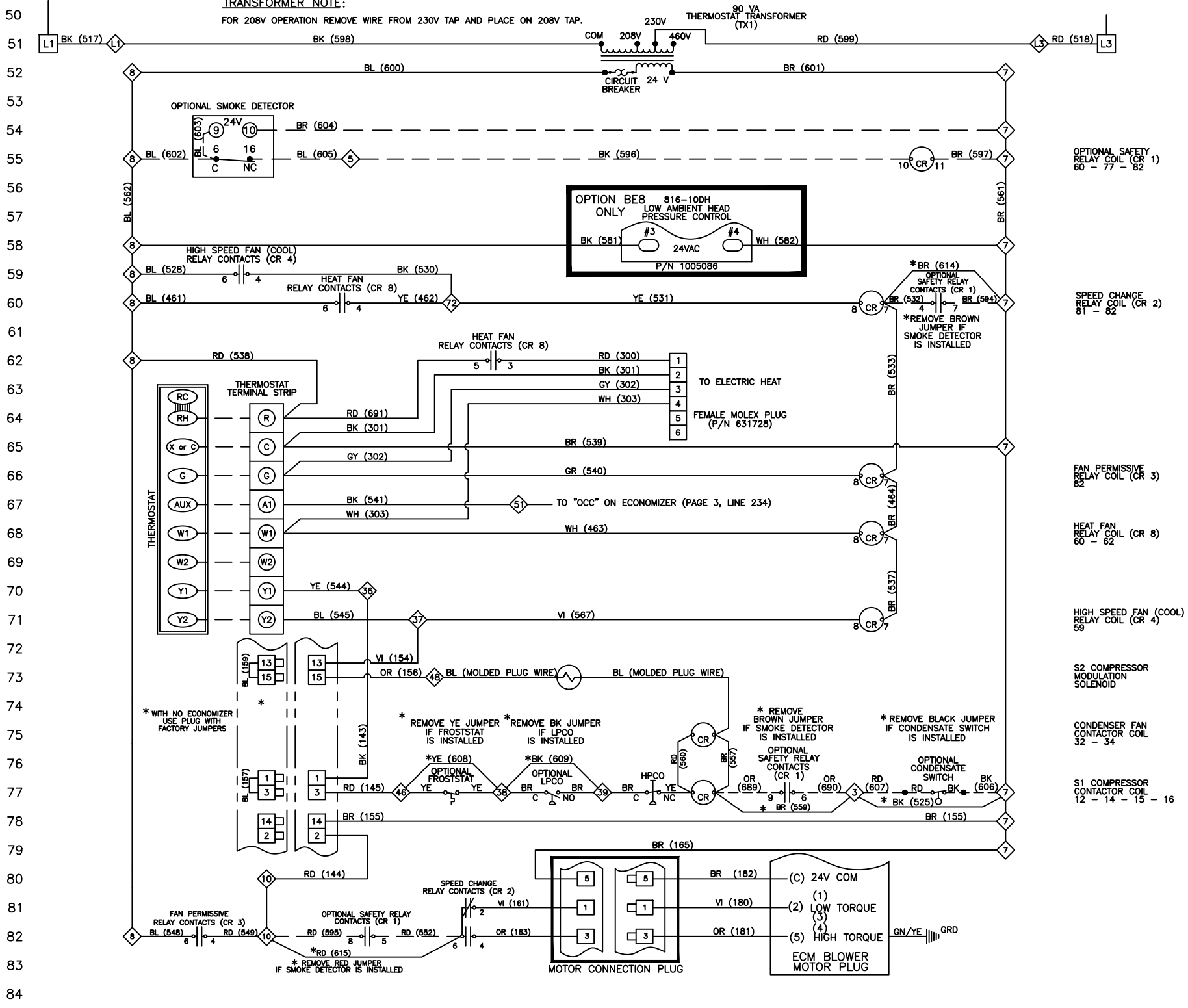


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TRANSFORMER NOTE:

FOR 208V OPERATION REMOVE WIRE FROM 230V TAP AND PLACE ON 208V TAP.



- OPTIONAL SAFETY RELAY COIL (CR 1)
60 - 77 - 82
- SPEED CHANGE RELAY COIL (CR 2)
81 - 82
- FAN PERMISSIVE RELAY COIL (CR 3)
82
- HEAT FAN RELAY COIL (CR 8)
60 - 62
- HIGH SPEED FAN (COOL) RELAY COIL (CR 4)
59
- S2 COMPRESSOR MODULATION SOLENOID
- CONDENSER FAN CONTACTOR COIL
32 - 34
- S1 COMPRESSOR CONTACTOR COIL
12 - 14 - 15 - 16



P7TQ-72: AK20-AMS6

DWG #1012115 SHT. #2 REV A