

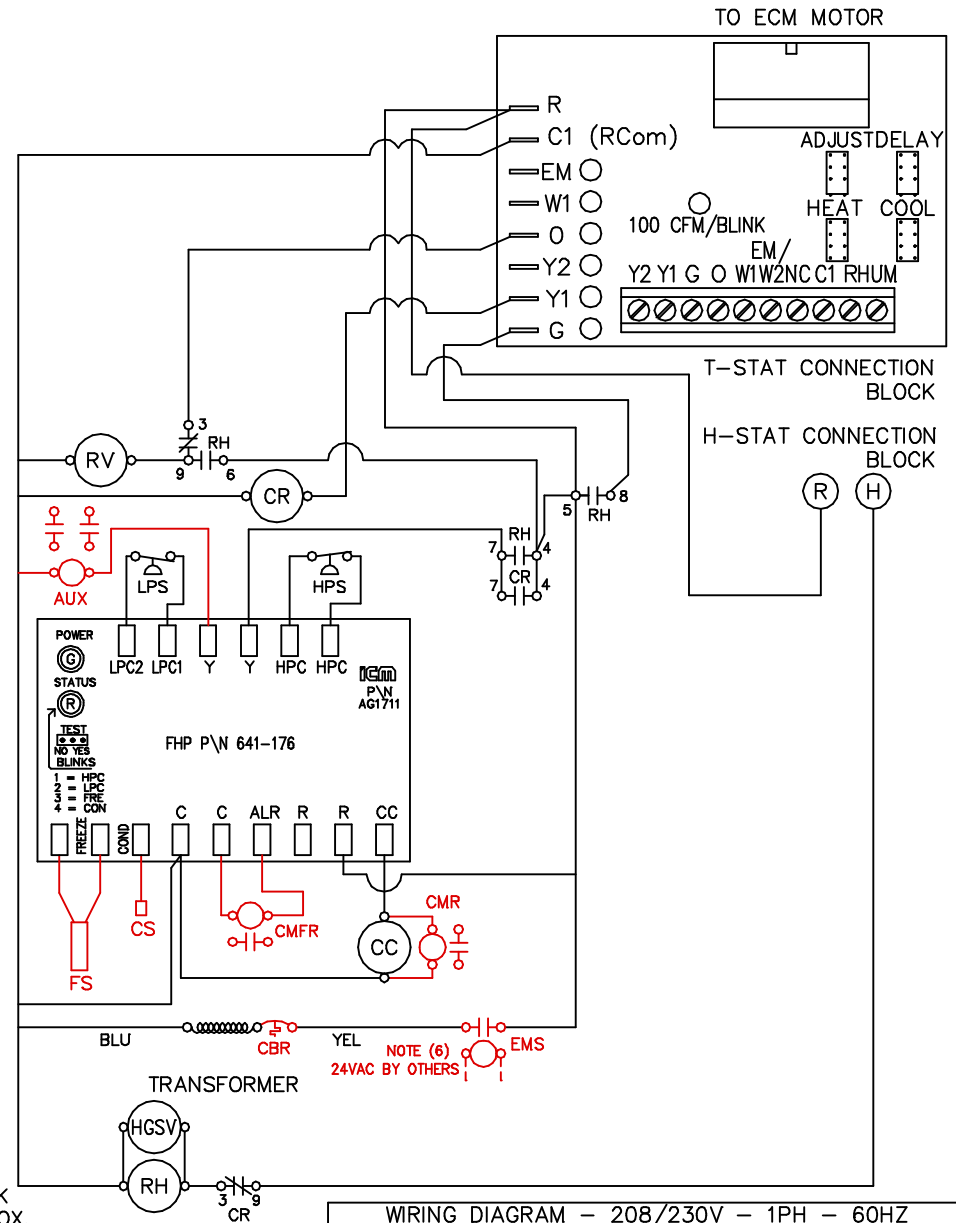
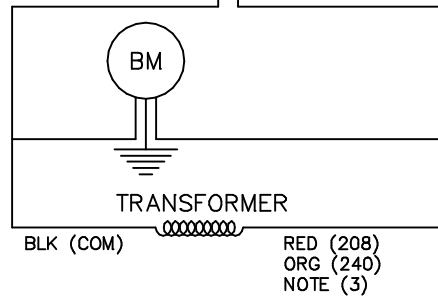
FACTORY WIRE _____
FIELD WIRE - - - - -

STANDARD COMPONENTS LEGEND:

- BM - BLOWER MOTOR
- CAP - COMPRESSOR CAPACITOR
- CC - COMPRESSOR CONTACTOR
- CCH - CRANKCASE HTR (WHEN SUPPLIED)
- CR - CLG/HTG RELAY (DISABLES H, ENERGIZES Y)
- EOVD - EXTERNAL OVERLOAD (NOTE 5)
- HGSV - HOT GAS SOLENOID VALVE
- HPS - HIGH PRESSURE SWITCH
- LPS - LOW PRESSURE SWITCH
- PTCR - POS TEMP COEFF RSTR (NOTE 4)
- RH - REHEAT RELAY (ENERGIZES Y, O AND G)
- RV - REVERSING VLV (HEAT PUMPS)

OPTIONAL COMPONENTS LEGEND:

- [] AUX - AUXILIARY RELAY (FOR LOOP PUMP, ETC.)
- [] CBR - 24V CIRCUIT BREAKER
- [] CMFR - COMPR MALFUNCTION RELAY
- [] CMR - COMPR MONITOR RELAY
- [] CS - CONDENSATE SENSOR (IN UNIT DRAIN PAN)
- [] EMS - ENERGY MGMT SYSTEM RELAY
- [] FS - FREEZE SENSOR
- [] GLP - GROUND LOOP PUMP



NOTES:

1. SEE UNIT NAME PLATE FOR ELECTRICAL RATING
2. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH N.E.C.-N.F.P.A. #70
3. 208/230V UNITS ARE FACTORY WIRING FOR 230V OPERATION. FOR 208V OPERATION, REMOVE ORG LEAD AND REPLACE WITH RED LEAD. CAP ALL UNUSED LEADS
4. PTCR IS STANDARD ON SELECT UNITS.
5. EXTERNAL OVERLOAD STANDARD ON ALL UNITS EQUIPPED WITH ROTARY COMPRESSORS.
6. FOR ALTERNATE EMS COIL VOLTAGES CONSULT FACTORY.
7. REMOVE JUMPER WIRES FROM BETWEEN CONTACTOR LINE SIDE AND POWER INTERCONNECT TBK WHEN ELECTRIC HEAT IS INSTALLED. CONNECT PITB TO POWER TBK IN HEATER CONTROL BOX.
8. UPM-I INCLUDES BUILT IN:
 - 30-60 SECOND RANDOM START
 - 5 MINUTE DELAY ON BREAK
 - 90 SECOND LOW PRESSURE BYPASS
9. SETTING THE TEST MODE JUMPER ON UPM-I TO YES REDUCES ALL TIME DELAYS TO 5 SECONDS.
10. "FREEZE" PINS ON UPM MUST BE JUMPED TOGETHER IF FREEZE SENSOR IS NOT INSTALLED.
11. BLINK CODES FOR HARD LOCK OUT:
 - 1 - HIGH PRESSURE FAULT
 - 2 - LOW PRESSURE FAULT
 - 3 - FREEZE FAULT
 - 4 - CONDENSATE FAULT

WIRING DIAGRAM - 208/230V - 1PH - 60HZ				
SINGLE PHASE DIRECT DRIVE ECM BLOWER MOTOR				
SINGLE STAGE				
1-1/2 THROUGH 6 TON CAPACITY				
WITH UPM-I AND HOT GAS REHEAT				
SIZE	CSSN.	DWG NO.	DRAWN BY	REV
	GS111003	GS111003	RKS	0
SCALE				DATE 1-21-03