



























### LEGEND

- |                                                                                 |                             |
|---------------------------------------------------------------------------------|-----------------------------|
|   | Factory Low voltage Wiring  |
|  | Factory Line Voltage Wiring |
|  | Field Low voltage Wiring    |
|  | Field Line voltage Wiring   |
|  | Printed Circuit Trace       |
|  | Optional Wiring             |
|  | Optional Block Capacitor    |
|  | Circuit Breaker             |
|  | Condensate Pan              |
|  | Control Board Jumper        |
|  | FUSE                        |
|  | Ground                      |
|  | High Pressure Switch        |
|  | LED                         |
|  | Low Pressure Switch         |
|  | Mate-N-Lock                 |
|  | Multi Splice Connector      |
|  | Optional Overload           |
|  | Relay contacts - N.C.       |
|  | Relay contacts - N.O.       |
|  | Relay / Contactor Coil      |
|  | Solenoid Coil               |
|  | Splice Cap                  |
|  | Temperature Switch          |
|  | Thermistor                  |
|  | Wire Nut                    |

- |       |                                         |
|-------|-----------------------------------------|
| ACO   | Automatic Change Over                   |
| AL    | Alarm Relay Contacts                    |
| ATS   | Air Temperature Sensor                  |
| BM    | Blower Motor                            |
| BMC   | Blower Motor Capacitor                  |
| BR    | Blower Relay                            |
| CAP   | Capacitor                               |
| CB    | Circuit Breaker                         |
| CC    | Compressor Contactor                    |
| CDT   | Compressor Discharge Temperature        |
| CO    | Condensate Overflow Sensor              |
| CR    | Compressor Relay                        |
| CRC   | Compressor Run Capacitor                |
| CS    | Current Sensor                          |
| DHW   | Domestic Hot Water                      |
| DM    | Damper Motor                            |
| DTS   | Discharge Temperature Switch            |
| EEV   | Electronic Expansion Valve              |
| EHC   | Electronic Heat Contactor               |
| ES    | End Switch                              |
| ETC   | Electronic Temperature Control          |
| EWT   | Entering Water Temp Sensor              |
| FSR   | Fan Speed Relay                         |
| FSS   | Fan Speed Switch                        |
| HP    | High Pressure Switch                    |
| HPWS  | High Pressure Water Switch              |
| HR    | Heating Relay                           |
| JW    | Jumper Wire                             |
| LAT   | Leaving Air Temperature                 |
| LOR   | Lock Out Relay                          |
| LP    | Low Pressure Switch                     |
| LT1   | Sensor, low temp protection, water coil |
| LT2   | Sensor, low temp protection, air coil   |
| LWT   | Leaving Water Temp Sensor               |
| MCO   | Manual Change Over                      |
| MOD   | Modulating Water Valve                  |
| MS    | Manual Starter                          |
| MSC   | Multi Splice Connector                  |
| MWV   | Motorized Water Valve                   |
| NLL   | Night Low Limit Switch                  |
| PDB   | Power Distribution Block                |
| POT   | Potentiometer                           |
| PI1   | Field Wiring Terminal Block             |
| PR    | Pump Relay                              |
| RAS   | Return Air Sensor                       |
| RVS   | Reversing Valve Solenoid                |
| SAC   | Start Assist Capacitor                  |
| SAS   | Supply Air Sensor                       |
| TB    | Terminal Block                          |
| TRANS | Transformer                             |
| UMT   | Unit Mounted Thermostat                 |
| VFD   | Variable Frequency Drive                |
| VSP   | Variable Speed Pump                     |
| WSTAT | Water Stat                              |

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NOTES:

1. Compressor and Blower Motor thermally protected internally.
2. All wiring to the unit must comply with NEC and local codes  
low voltage wiring shall be Class 2 or equivalent.
3. Transformer wiring is voltage sensitive. Use layout corresponding to the unit voltage.
4. LT1 provides low temperature protection for WATER. When using  
ANTI-FREEZE solutions, cut JW3 jumper.
5. Typical heat pump thermostat wiring shown. Refer to thermostat IOM for  
wiring to the unit. T-Stat wiring must be "Class 1" and voltage rating equal to or  
greater than unit supply voltage.
6. 24V Alarm signal shown. For Dry Alarm contact between AL1 & AL2, cut JW1  
for CXM/DXM Gen2 or JW4 DXM.
7. Transformer Secondary Ground via CXM/DXM board standoffs and screws  
to Control Box.

HUM1. Refer to HUMIDISTAT Installation application, and Operation Manual For Control Wiring to the unit.

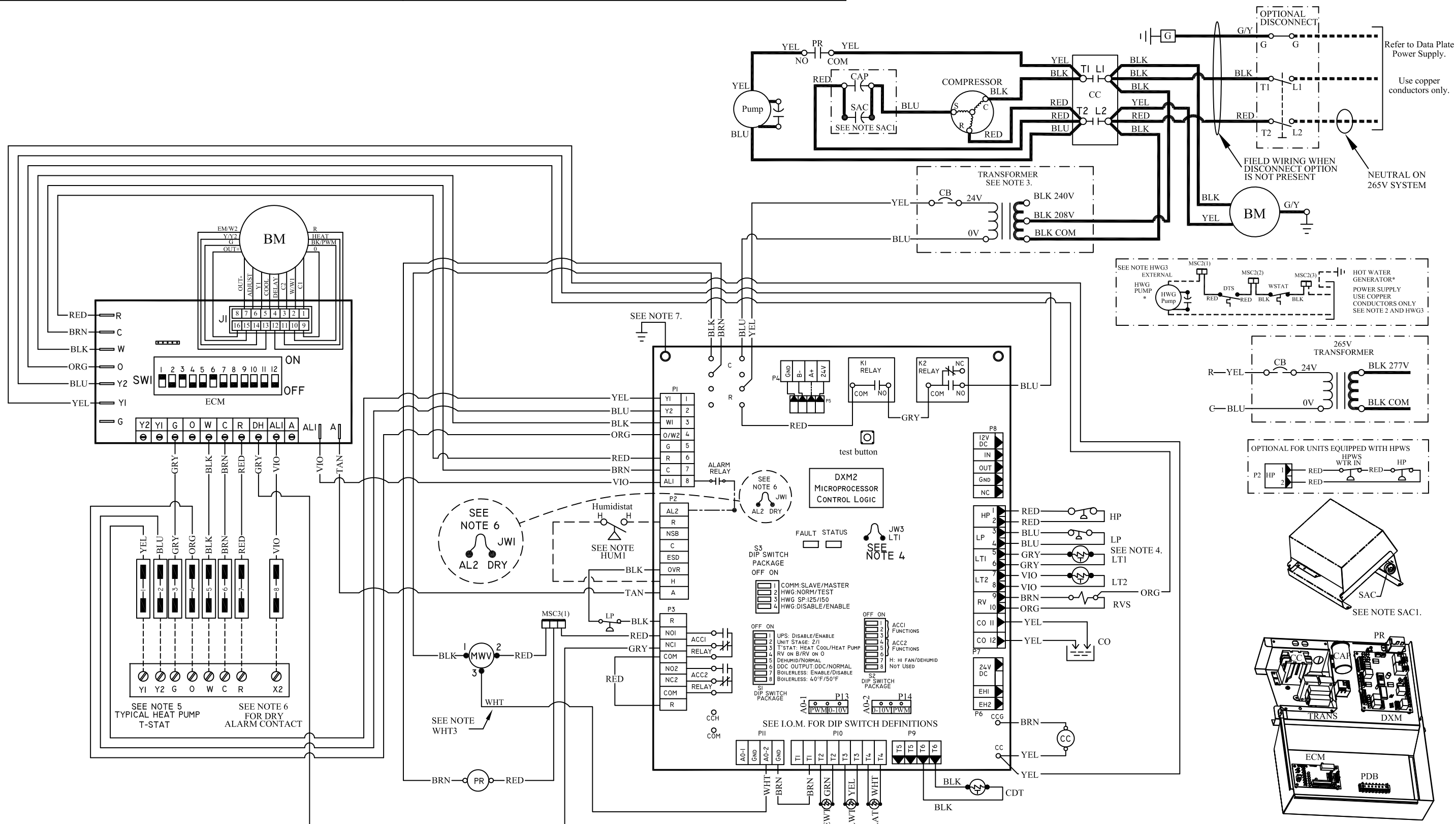
HWG3. WSTAT is supplied with unit and must be wired in series with the hot leg to the pump. WSTAT is rated for voltage up to 277V.

SAC1. Use Start Assist Capacitor only on unit size 006-012.

WHT3. In case of two white wires on the actuator, use white color wire labeled as 3-THREE.

## ECM BOARD DIP SWITCH SETTINGS

	COOL CFM			CFM HEAT			EH CFM			ADJ CFM	
SPD	SW1	SW2	SPD	SW3	SW4	SPD	SW5	SW6	SPD	SW7	SW8
1	ON	ON	1	ON	ON	1	ON	ON	TEST	ON	ON
2	ON	OFF	2	ON	OFF	2	ON	OFF	-	ON	OFF
3	OFF	ON	3	OFF	ON	3	OFF	ON	+	OFF	ON
4	OFF	OFF	4	OFF	OFF	4	OFF	OFF	NORM	OFF	OFF
DEHUM			UNUSED			UNUSED			UNUSED		
SW9			SW10			SW11			SW12		
ON	NORM		ON			ON					
OFF	DH		OFF			OFF					



### Control Box Layout