





























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 / Blower Contactor         |
| 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          |
| EWI   | 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                           |
| P1    | 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                              |

**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. Field Use Only: 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 control board standoffs and/or Common  
to Control Box.

ECM1. For ECM Blower Motor air flow adjustment and diagnostic information refer to IOM.  
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.  
SAC3. Use Start Assist Capacitor only on unit size 015-018.

