

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

Ground

High Pressure Switch

LED

Low Pressure Switch

Mate-N-Lock

Multi Splice Connector

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Optional

OVERLOAD

Relay contacts - N.C.

Relay contacts - N.O.

Relay / Contactor Coil

Solenoid Coil

Splice Cap

Temperature Switch

Thermistor

Wire Nut

- AL Alarm Relay Contacts
- BM Blower Motor
- BMC Blower Motor Capacitor
- BR Blower Relay
- CAP Capacitor
- CB Circuit Breaker
- CC Compressor Contactor
- CO Condensate Overflow Sensor
- CR Compressor Relay
- CTB Common Terminal Block
- CS Current Sensor
- DHW Domestic Hot Water
- DM Damper Motor
- DTS Discharge Temperature Switch
- ES End Switch
- EWT Entering Water Temp Sensor
- FSS Fan Speed Switch
- HP High Pressure Switch
- HPWS High Pressure Water Switch
- HR Heating Relay
- JW Jumper Wire
- LAT Leaving Air Temperature
- LOC Loss of Charge Pressure Switch
- LOR Lock Out Relay
- LT1 Sensor, low temp protection, water coil
- LT2 Sensor, low temp protection, air coil
- LWT Leaving Water Temp Sensor
- MOD Modulating Water Valve
- MS Manual Starter
- MSC Multi Splice Connector
- MWV Motorized Water Valve
- PB Power Terminal Block
- PDB Power Distribution Block
- POT Potentiometer
- P1 Field Wiring Terminal Block
- PR Pump Relay
- RAS Return Air Sensor
- RVS Reversing Valve Solenoid
- SAS Supply Air Sensor
- SAC Start Assist Capacitor
- TB Terminal Block
- TRANS Transformer
- TS Terminal Strip
- UMT Unit Mounted Thermostat

- 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 standoffis and screws to Control Box.
- BM10. Higher numbered taps take priority.
- HWG3. AQUA STAT is supplied with unit and must be wired in series with the hot leg to the pump. Aqua stat is rated for voltage up to 277V.
- LON1. Refer to LON, OR TSTAT Installation, Application, and Operation Manual for control wiring to the unit.
- LON2. Optional LON wires. Only connect if LON connection is desired at the wall sensor.
- SAC3. Use Start Assist Capacitor only on unit size 015-018.

