




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




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

FWT 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:
- Compressor and Blower Motor thermally protected internally.
 - All wiring to the unit must comply with NEC and local codes low voltage wiring shall be Class 2 or equivalent.
 - Transformer wiring is voltage sensitive. Use layout corresponding to the unit voltage.
 - LT1 provides low temperature protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.
 - 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.
 - 24V Alarm signal shown. For Dry Alarm contact between AL1 & AL2, cut JW1 for CXM/DXM Gen2 or JW4 DXM.
 - Transformer Secondary Ground via CXM/DXM board standoffs and screws to Control Box.

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.

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.

LON6. Factory cut JW1 jumper. Dry Contact will be available between AL1 and AL2.

ECM BOARD DIP SWITCH SETTINGS											
COOL			CFM			HEAT			EH		
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			ON		
OFF	DH		OFF			OFF					

