

TITLE: LV168-300 H,F,N CXM

PCN21-0335DATE: 7/6/21

DRAWING NO. 96B0113N07REV R

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

AL

ATS

BM

BMC

BR

CAP

CB

CC

CDT

CO

CR

CRC

CS

DHW

DM

DTS

EEV

EHC

ES

ETC

EWI

FSR

FSS

HP

HPWS

HR

JW

LAT

LOR

LP

LT1

LT2

LWT

MCO

MOD

MS

MSC

MWV

NLL

PDB

POT

P1

PR

RAS

RVS

SAC

SAS

TB

TRANS

UMT

VFD

VSP

WSTAT

Automatic Change Over

Alarm Relay Contacts

Air Temperature Sensor

Blower Motor

Blower Motor Capacitor

Blower Relay / Blower Contactor

Capacitor

Circuit Breaker

Compressor Contactor

Compressor Discharge Temperature

Condensate Overflow Sensor

Compressor Relay

Compressor Run Capacitor

Current Sensor

Domestic Hot Water

Damper Motor

Discharge Temperature Switch

Electronic Expansion Valve

Electronic Heat Contactor

End Switch

Electronic Temperature Control

Entering Water Temp Sensor

Fan Speed Relay

Fan Speed Switch

High Pressure Switch

High Pressure Water Switch

Heating Relay

Jumper Wire

Leaving Air Temperature

Lock Out Relay

Low Pressure Switch

Sensor, low temp protection, water coil

Sensor, low temp protection, air coil

Leaving Water Temp Sensor

Manual Change Over

Modulating Water Valve

Manual Starter

Multi Splice Connector

Motorized Water Valve

Night Low Limit Switch

Power Distribution Block

Potentiometer

Field Wiring Terminal Block

Pump Relay

Return Air Sensor

Reversing Valve Solenoid

Start Assist Capacitor

Supply Air Sensor

Terminal Block

Transformer

Unit Mounted Thermostat

Variable Frequency Drive

Variable Speed Pump

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. 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.

BM5. For dual point power option, (QTY.4X) blower wires will go to PDB2 only.

CXM1. Suffix 1 designates association with Lead compressor, Suffix 2 with Lag compressor. EXCEPTION AL1, AL2, LT1, LT2 ARE PER LEGEND.

