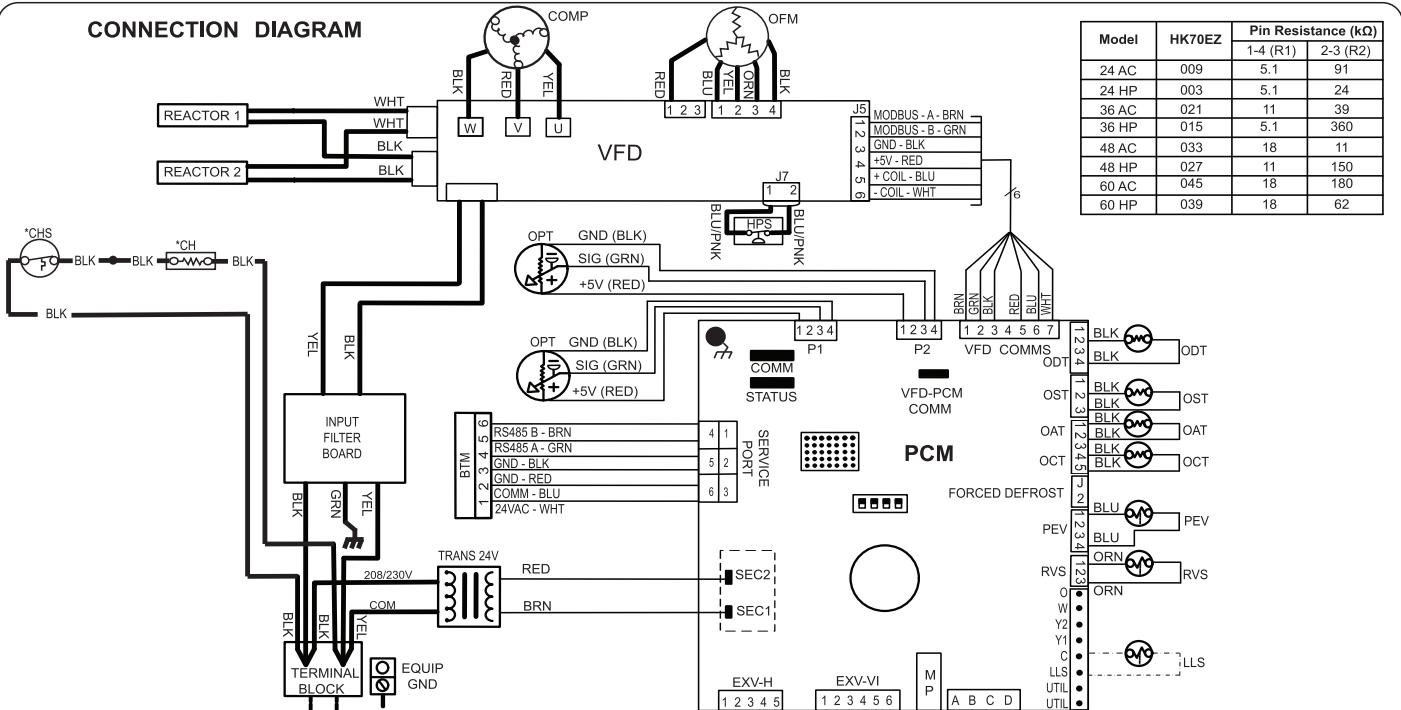


284ANV EVOLUTION™ EXTREME VARIABLE SPEED AIR CONDITIONER WITH PURON® REFRIGERANT 2 TO 5 NOMINAL TONS



WIRING DIAGRAM

CONNECTION DIAGRAM



NOTES:

NOTES:

1. To be wired in accordance with National Electric Code (N.E.C.) and local codes.
2. Use copper conductors only. Use conductors suitable for at least 75°C (167°F).
3. Two wire A and B required for communication. Unit contains 24 volt transformer to power Primary Control Module. If outdoor unit improperly grounded then connect indoor ground to "C" terminal.
4. If any of the original wire, as supplied must be replaced, use the same or equivalent wire.
5. Check all electrical connections inside control box for tightness.
6. Do not attempt to operate unit until service valves have been opened.
7. **Must use with User Interface listed in pre-sale literature only.**
8. The vapor injection EXV is only applied to 060 size.

heat pump only **UNIT OPERATION**

UNIT OPERATION
This Control Board Contains A Five Minute Short Cycle Protector. A Five Minute Delay Will Occur Between Compressor On/Off Cycles. To Bypass Delay, Short Force Defrost Pins For 1 Second Then Release. The Crankcase Heater Is Energized During Off Cycle Below 65°F As Needed.

- On Cycle Below 60°F All Needs To Be Met
- DEFROST TIME SELECT (HP only)** - The Defrost Interval Time Can Be Field Selected, Dependent Upon Local Geographic Requirements. The Factory Set At 90 Minutes And Can Be Changed To Either 30, 60 Or 120 Minutes Via The User Interface. User Interface Defaults To "AUTO".
- DEFROST (HP only)** - Defrost Will Initiate When The Time Selected Has Elapsed And The Coil Temperature Is Less Than 32°F (+/-2°F). It Will Terminate Between 50°F-65°F Depending Upon The System Model Number And The Outdoor Air Temperature. At Defrost Termination The Reversing Valve Will Switch Before The Fan Is Turned On.
- FIELD INITIATED FORCED DEFROST (HP only)** - (Shows As Forced Defrost On Board) By Placing A Jumper Across The Forced Defrost Terminals For 5 Seconds, Or Longer, And Then Removing The Jumper The Unit Will Initiate A Defrost Cycle Regardless Of Coil Temperature. The Defrost Cycle Will Terminate At 65°F (+/-5°F) If Coil Temperature Is Above 32°F Or Outdoor Ambient Temperature Is Above 50°F. Defrost Mode Will Terminate After 30 Seconds Of Active Mode.
- OUTDOOR PRESSURE TRANSDUCERS** - The P1 and P2 On The PCM Are Independent Of Where The OPTs Are Installed On The Turbine. Both OPTs Can Be Connected To Either P1 Or P2.

■ LEGEND

Fuse	Rating	Mfg	Mfg P/n
PCM Fuse 1	2	Littelfuse	0287002
PCM Fuse 2	2	Littelfuse	0287002
PCM Fuse 3	4	Littelfuse	0287004
VFD Fan Fuse	3.15	Littelfuse	4773.15

346116-101 RFV -

Fig. 1 – 284ANV024-60 Wiring Diagram

