



**IMPORTANT NOTE:**  
 SCROLL COMPRESSORS ARE SENSITIVE TO DIRECTION OF ROTATION. IF NOISY OR NOT PUMPING, SWAP ANY TWO PHASES AT THE COMPRESSOR TERMINALS.

**WARNING!** ISOLATE THE EQUIPMENT BEFORE WORKING ON UNIT OR ELECTRICAL SWITCHBOARD. THE SOFTWARE OF THE CAA CONTROLLER IS NOT DESIGNED TO FUNCTION AS A PRIMARY PERSONAL SAFETY DEVICE. AS CONNECTED EQUIPMENT CAN START AUTOMATICALLY WITHOUT WARNING. ALSO, OPENING THERMOSTAT CONTACTS MAY NOT CAUSE THE EQUIPMENT TO STOP.

- NOTES:
- DESIGNATION OF THE TIME DELAYED GLASS FUSES:
    - F1 PROTECTS THE THERMOSTAT CIRCUIT.
    - F2 PROTECTS THE COMPRESSOR CONTACTOR CIRCUITS, OUTDOOR FAN HI/LO CONTACTOR CIRCUITS, REVERSING VALVE CIRCUITS AND THE "HEAT" OUTPUT.
  - TERMINALS: A-D ARE 240V AC. TERMINALS: 1-14 ARE 24V AC. TERMINALS: 19-21 ARE 10V DC. TERMINALS: 15-18 ARE 24V DC.
  - HP AND LP SWITCHES ARE AUTO RESET. CAA CONTROLLER PROVIDES LOCKOUT FUNCTION.
  - THERMAL OVERLOAD RELAYS FOR COMPRESSORS ARE AUTO RESET. CAA CONTROLLER PROVIDES LOCKOUT FUNCTION.
  - ALL FIELD WIRING IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND MUST COMPLY WITH AS/NZS 3000 AND LOCAL RULES.
  - SOFTWARE CODE MUST BE CHECKED WHEN REPLACING THE CAA CONTROLLER. THE CODE IS DISPLAYED ON THE LCD WHEN POWER IS APPLIED TO THE PCB.
  - DO NOT CONNECT ANY ADDITIONAL EQUIPMENT TO THE CONTROL TRANSFORMER OTHER THAN THE EQUIPMENT SHOWN ON THE ELECTRICAL DRAWING.

| LEGEND |                      |      |                      | COLOUR CODE |       |    |        |
|--------|----------------------|------|----------------------|-------------|-------|----|--------|
| ---    | FIELD WIRING         | COMP | COMPRESSOR           | r           | RED   | o  | ORANGE |
| ---    | CONTROL WIRING       | CCH  | CRANK CASE HEATER    | w           | WHITE | p  | PINK   |
| ---    | 240V/415V WIRING     | IF   | INDOOR FAN           | b           | BLUE  | pu | PURPLE |
| ---    | CONTROL PARAMETER    | OF   | OUTDOOR FAN          | bk          | BLACK | br | BROWN  |
| ○      | SWITCHBOARD TERMINAL | O/L  | THERMAL OVERLOAD     | gy          | GREY  | gn | GREEN  |
| RV     | REVERSING VALVE      | HP   | HIGH PRESSURE SWITCH | gy          | GREY  | gn | GREEN  |
|        |                      | LP   | LOW PRESSURE SWITCH  | gy          | GREY  | gn | GREEN  |

|                   |                     |                  |       |            |     |           |            |
|-------------------|---------------------|------------------|-------|------------|-----|-----------|------------|
| MODEL: HPA075R3AD |                     | COMPRESSOR       |       | DRAWING No |     | EL0750007 |            |
| REF               | OPTIONS DESCRIPTION | INPUT POWER kW   | 13.68 | REV        | 0   | DATE      | 29.03.2023 |
|                   |                     | RATED LOAD AMP   | 21.4  | GRD        | --- | DRAWN     | P.V        |
|                   |                     | OVERLOAD SETTING | 23    |            |     | APPROVED  | M.D        |
|                   |                     | FANS (EACH)      | kW    | FLA        |     |           |            |
|                   |                     | OUTDOOR          | 1.7   | 3.7        |     |           |            |
|                   |                     | INDOOR           | 3.6   | 5.5        |     |           |            |
|                   |                     | CONTROL          | 150VA | 0.66       |     |           |            |

