



| KEY COMPONENT |   |
|---------------|---|
| A34           | DUCT STATIC PRESS                         |
| A55           | PANEL, MAIN                               |
| A96           | CONTROL INVERTER                          |
| A137          | CONTROL, INVERTER, RETURN                 |
| A141          | INVERTER, EXHAUST 2                       |
| A142          | INVERTER, EXHAUST 3                       |
| A178          | PANEL, COMP 3 & 4, C3 SECOND STAGE HEAT   |
| A187          | CONTROL, GENERAL PURPOSE GP3              |
| B1            | COMPRESSOR 1                              |
| B2            | COMPRESSOR 2                              |
| B3            | MOTOR, BLOWER                             |
| B4            | MOTOR, OUTDOOR FAN 1                      |
| B5            | MOTOR, OUTDOOR FAN 2                      |
| B10           | MOTOR, EXHAUST FAN 1                      |
| B11           | MOTOR, EXHAUST FAN 2                      |
| B12           | MOTOR, EXHAUST FAN 3                      |
| B13           | COMPRESSOR 3                              |
| B20           | COMPRESSOR 4                              |
| B21           | MOTOR, OUTDOOR FAN 3                      |
| B22           | MOTOR, OUTDOOR FAN 4                      |
| B23           | MOTOR, OUTDOOR FAN 5                      |
| B24           | MOTOR, OUTDOOR FAN 6                      |
| B35           | MOTOR, EXH. BLO 1                         |
| B36           | MOTOR, EXH. BLO 2                         |
| B37           | MOTOR, EXH. BLO 3                         |
| C1            | CAPACITOR, OUTDOOR FAN 1                  |
| C2            | CAPACITOR, OUTDOOR FAN 2                  |
| C6            | CAPACITOR, EXHAUST FAN 1                  |
| C19           | CAPACITOR, EXHAUST FAN 4                  |
| C20           | CAPACITOR, OUTDOOR FAN 5                  |
| C21           | CAPACITOR, OUTDOOR FAN 6                  |
| C8            | CAPACITOR, EXHAUST FAN 2                  |
| C9            | CAPACITOR, EXHAUST FAN 3                  |
| C18           | CAPACITOR, OUTDOOR FAN 3                  |
| C19           | CAPACITOR, OUTDOOR FAN 4                  |
| C20           | CAPACITOR, OUTDOOR FAN 5                  |
| C21           | CAPACITOR, OUTDOOR FAN 6                  |
| C8            | CAPACITOR, EXHAUST FAN 2                  |
| C9            | CAPACITOR, EXHAUST FAN 3                  |
| F6            | FUSE, EXHAUST FAN                         |
| F10           | FUSE, OUTDOOR FAN MOTOR                   |
| F30           | FUSE, TRANSFORMER T29 PRIMARY             |
| F31           | FUSE, TRANSFORMER T29 SECONDARY           |
| F36           | FUSE, P.E. BLOWERS                        |
| F61           | FUSE, UNIT                                |
| HR1           | HEATER COMPRESSOR 1                       |
| HR2           | HEATER COMPRESSOR 2                       |
| HR5           | HEATER COMPRESSOR 3                       |
| HR11          | HEATER COMPRESSOR 4                       |
| K1            | CONTACTOR, COMPRESSOR 1                   |
| K2            | CONTACTOR, COMPRESSOR 2                   |
| K3            | CONTACTOR, BLOWER                         |
| K10           | RELAY, OUTDOOR FAN 1                      |
| K14           | CONTACTOR, COMPRESSOR 3                   |
| K65           | RELAY, EXHAUST FAN                        |
| K68           | RELAY, OUTDOOR FAN 2                      |
| K146          | CONTACTOR, COMPRESSOR 4                   |
| K149          | RELAY, OUTDOOR FAN 3                      |
| K150          | RELAY, OUTDOOR FAN 4                      |
| K152          | RELAY, OUTDOOR FAN 5                      |
| K153          | RELAY, OUTDOOR FAN 6                      |
| K202          | CONTACTOR, INVERTER                       |
| K203          | RELAY INVERTER CONTROL                    |
| K205          | CONTACTOR, POWER EXHAUST                  |
| K207          | RELAY, EXHAUST BLOWER                     |
| K231          | RELAY, EXHAUST FAN 2                      |
| R55           | RESISTOR, VFD LOADING, A96                |
| RT17          | SENSOR, OUTDOOR AIR                       |
| S4            | SWITCH, LIMIT HI PRESS COMPRESS 1         |
| S7            | SWITCH, LIMIT HI PRESS COMPRESS 2         |
| S11           | SWITCH, LOW PRESS, LOW AMBIENT COMP 1     |
| S31           | SWITCH, LIMIT HI TEMP COMPRESSOR 3        |
| S37           | SWITCH, PRESS, EXH                        |
| S39           | SWITCH, EXHAUST FAN                       |
| S42           | SWITCH, OVERLOAD RELAY BLOWER MOTOR       |
| S48           | SWITCH, DISCONNECT                        |
| S49           | SWITCH, FREEZE STAT COMPRESS 1            |
| S50           | SWITCH, FREEZE STAT COMPRESS 2            |
| S53           | SWITCH, FREEZE STAT COMPRESS 3            |
| S84           | SWITCH, LOW PRESS, LOW AMBIENT COMP 2     |
| S85           | SWITCH, LOW PRESS, LOW AMBIENT COMP 3     |
| S87           | SWITCH, LOW PRESS, COMP 1                 |
| S88           | SWITCH, LOW PRESS, COMP 2                 |
| S94           | SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 4 |
| S95           | SWITCH, FREEZE STAT COMPRESS 4            |
| S96           | SWITCH, LIMIT HI PRESS COMPRESS 4         |
| S97           | SWITCH, LOW PRESS, COMP 4                 |

|      |                                    |
|------|------------------------------------|
| S98  | SWITCH, LOW PRESS, COMP 3          |
| S117 | SWITCH, GFI                        |
| T1   | TRANSFORMER, CONTROL               |
| T18  | TRANSFORMER, CONTACTOR             |
| T29  | TRANSFORMER, GFI                   |
| TB13 | TERMINAL STRIP, POWER DISTRIBUTION |
| TB18 | TERMINAL STRIP, CYCLE CONTROL      |
| TB24 | TERMINAL STRIP, UNIT ADDER         |
| TB25 | TERMINAL STRIP, BLOWER             |
| TB58 | TERMINAL STRIP, EXHAUST BLOWERS    |

| J/P | JACK/PLUG DESCRIPTION          |
|-----|--------------------------------|
| 11  | GFI, RECEPTACLE                |
| 18  | EXHAUST FAN COMP               |
| 24  | EXHAUST FAN                    |
| 69  | INTERFACE                      |
| 86  | OUTDOOR FAN INTERFACE          |
| 87  | OUTDOOR FAN INTERFACE 2        |
| 118 | CONTROL FOR COMPRESSOR 2 AND 4 |
| 119 | COMPRESSOR 3 AND 4, INPUT      |
| 132 | EXHAUST FAN MOTOR 1            |
| 133 | EXHAUST FAN MOTOR 2            |
| 134 | EXHAUST FAN MOTOR 3            |
| 208 | MOTOR, EXH BLO, B35            |
| 209 | MOTOR, EXH BLO, B36            |
| 210 | MOTOR, EXH BLO, B37            |
| 212 | MOTOR, EXH BLO, B35            |
| 213 | MOTOR, EXH BLO, B36            |
| 214 | MOTOR, EXH BLO, B37            |
| 218 | POWER EXHAUST CONTROL          |
| 246 | POWER TO VFD                   |
| 247 | VFD TO MOTOR                   |
| 248 | VFD TO CONTROL                 |
| 249 | CONTACTOR BYPASS               |
| 259 | BLOWER ECM MOTOR               |
| 263 | HIGH AND LOW PRESSURE SWITCHES |
| 264 | BLOWER DECK                    |
| 265 | CONTACTORS AND RELAYS          |
| 268 | 24V POWER FROM TRANSFORMERS    |
| 291 | VFD BYPASS LOW VOLTAGE         |
| 348 | CONTROL, GENERAL PURPOSE GP3   |

- NOTES**
- ⚠ S42 USED ON UNITS WITH VFD CONTROL WITH BYPASS OPTION, UNITS WITH HIGH EFFICIENCY MOTORS AND UNITS WITH MOTORS LESS INTERNAL OVERLOAD PROTECTION
  - ⚠ S37 AND S39 PRESSURE SWITCH CONTROL FOR POWER EXHAUST
  - ⚠ F6 AND F10 FUSES ARE USED ON "Y" VOLTAGE UNITS ONLY AND SCCR OPTION UNITS
  - ⚠ S49, S50, S53 AND S95 ARE A PART OF 5VDC CIRCUIT
  - ⚠ FOR P.E. INVERTER WIRING, REFER TO RRS ASSEMBLY
  - ⚠ A96 INVERTER CONTROL FOR B3 SUPPLY AIR BLOWER
  - ⚠ A34 SENSOR AND A137, A141, A142 INVERTER CONTROL FOR B35, B36, B37 EXHAUST AIR BLOWER (RRS)
  - ⚠ B37 BLOWER MAY NOT BE USED
  - ⚠ TB25 USED IN PLACE OF P247/J249 ON Y VOLT UNITS
  - ⚠ F61 USED ON ALL UNITS WITH LGH UNITS SCCR OPTION
  - ⚠ S48 IS FIELD INSTALLED ON ALL LCH UNITS WITH SCCR OPTION

NOTE: USE COPPER CONDUCTORS ONLY

- ← DENOTES OPTIONAL COMPONENTS
- LINE VOLTAGE FIELD INSTALLED
- - - CLASS II FIELD WIRING

|                           |              |                                    |           |
|---------------------------|--------------|------------------------------------|-----------|
| 2022/03                   |              | ENERGENCE WIRING DIAGRAM 538271-01 | 03/22     |
|                           |              | COOLING - MSAV - AUTOMATIC BYPASS  |           |
| LCH/LGH - 300,360 - G,J,Y |              |                                    |           |
| SECTION B                 |              | REV 0                              |           |
| Supersedes                | New Form No. |                                    | 538271-01 |