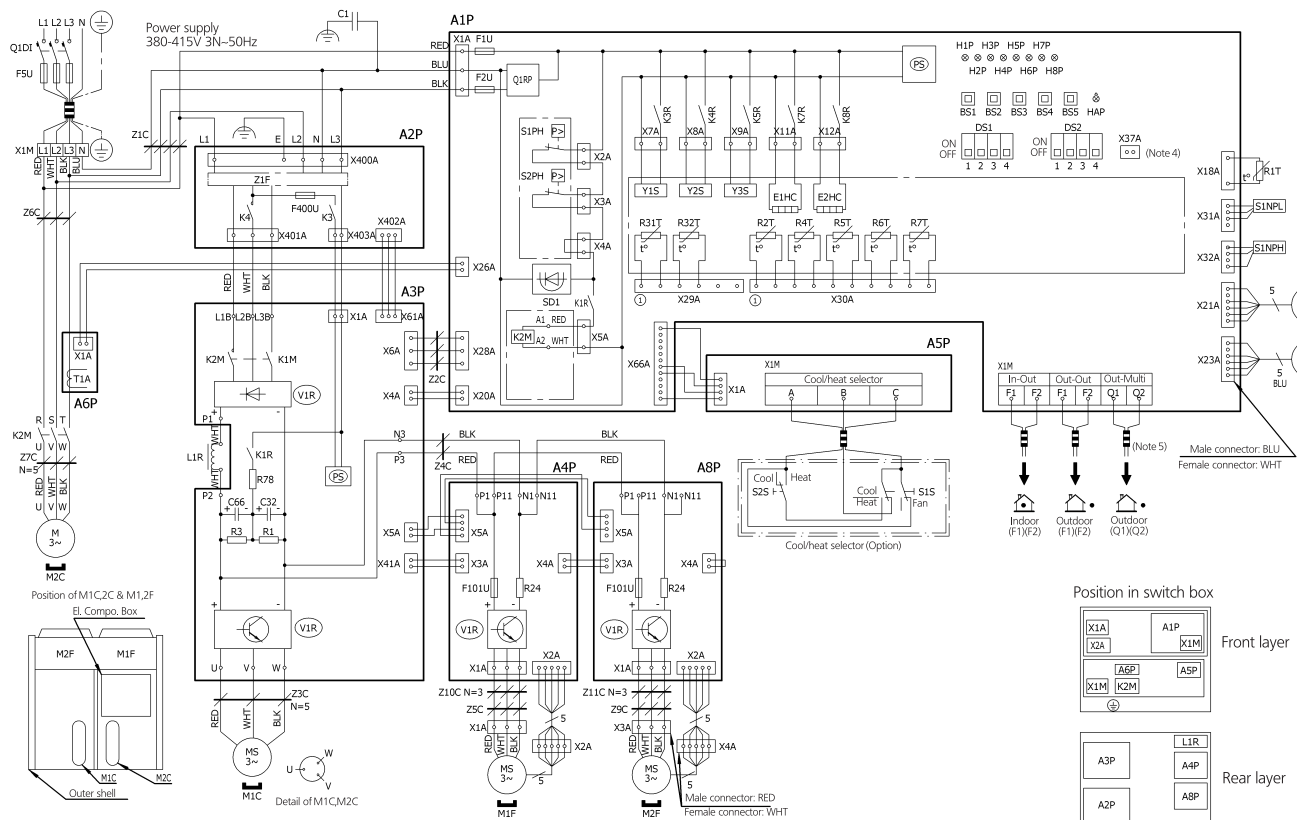


# EWA/YQ25,50BA



- |            |  |          |  |           |  |
|------------|--|----------|--|-----------|--|
| A1P        | : Printed circuit board (Main)                           | K4       | : Magnetic contactor(M1C)              | R6T       | : Thermistor (liquid pipe)             |
| A2P        | : Printed circuit board (Noise filter)                   | K2M      | : Magnetic contactor(M2C)              | R7T       | : Thermistor (Accumulator)             |
| A3P        | : Printed circuit board (Inverter)                       | K1R      | : Magnetic relay (K2M)                 | S1NPH     | : Pressure sensor (High)               |
| A4P, A8P   | : Printed circuit board (Fan)                            | K3R      | : Magnetic relay (Y1S)                 | S1NPL     | : Pressure sensor (Low)                |
| A5P        | : Printed circuit board (ABC I/P)                        | K4R      | : Magnetic relay (Y2S)                 | S1PH,S2PH | : Pressure switch (High)               |
| A6P        | : Printed circuit board (Current sensor)                 | K5R      | : Magnetic relay (Y3S)                 | T1A       | : Current sensor (A6P)                 |
| BS1~BS5    | : Push button switch<br>(Mode, set, return, test, reset) | K7R      | : Magnetic relay (E1HC)                | SD1       | : Safety devices input                 |
| C1         | : Capacitor  | K8R      | : Magnetic relay (E2HC)                | V1R       | : Power module (A3P, A4P, A8P)         |
| C32,C66    | : Capacitor  | L1R      | : Reactor                              | V1R       | : Diode bridge (A3P)                   |
| DS1,DS2    | : Dip switch   | M1C, M2C | : Motor (compressor)                   | X1A~X4A   | : Connector (M1F, M2F)                 |
| E1HC, E2HC | : Crankcase heater                                       | M1F, M2F | : Motor (fan)                          | X1M       | : Terminal strip (Power supply)        |
| F101U      | : Fuse (A4P, A8P)  | PS       | : Switching power supply (A1P,A3P)     | X1M       | : Terminal strip (Control) (A1P)       |
| F1U,F2U    | : Fuse (250V, 3.15A Ⓣ) (A1P)                             | Q1RP     | : Phase reversal detect circuit        | X1M       | : Terminal strip (A5P)                 |
| F5U        | : Field fuse   | Q1DI     | : Earth leakage breaker                | Y1E       | : Electronic expansion valve (Main)    |
| F400U      | : Fuse (250V, 6.3A Ⓣ) (A2P)                              | R24      | : Resistor (Current sensor) (A4P, A8P) | Y2E       | : Electronic expansion valve (Subcool) |
| H1P~H8P    | : Pilotlamp (service monitor - orange)                   | R1,R3    | : Resistor                             | Y1S       | : Solenoid valve (Hot gas)             |
|            |  | R78      | : Resistor (current limiting)          | Y2S       | : Solenoid valve (oil return)          |
| HAP        | : Pilotlamp (service monitor - green)                    | R1T      | : Thermistor (air) (A1P)               | Y3S       | : Solenoid valve (4-way valve)         |
| K1R        | : Pilotlamp (service monitor - green)                    | R2T      | : Thermistor (Suction)                 | Z1C~Z11C  | : Noise filter (ferrite core)          |
| K1R        | : Magnetic relay   | R31T     | : Thermistor (M1C Discharge)           | Z1F       | : Noise filter (with surge absorber)   |
| K3         | : Magnetic relay   | R32T     | : Thermistor (M2C Discharge)           |           |  |
| K1M,K2M    | : Magnetic contactor(M1C)                                | R4T      | : Thermistor (Heat exch. deicer)       |           |  |
|            |  | R5T      | : Thermistor (Heat exch. outlet)       |           |  |

- Notes:**
- This wiring diagram only applies to the outdoor unit.
  - Field wiring
  - Terminal strip Connector
  - When using the option adapter, refer to the installation manual
  - Refer to the installation manual, for connection wiring to indoor-outdoor transmission F1 - F2. Outdoor-outdoor transmission F1-F2, outdoor-multi transmission Q1-Q2 and how to use BS1-B5 and DS1, DS2 switch.
  - Do not operate the unit by short-circuiting protection device S1PH.
  - Colours: BLK: Black / RED: Red / YLW: Yellow / WHT: White / PNK: Pink / BRN: Brown / GRY: grey / GRN: Green / ORG: Orange / BLU: Blue