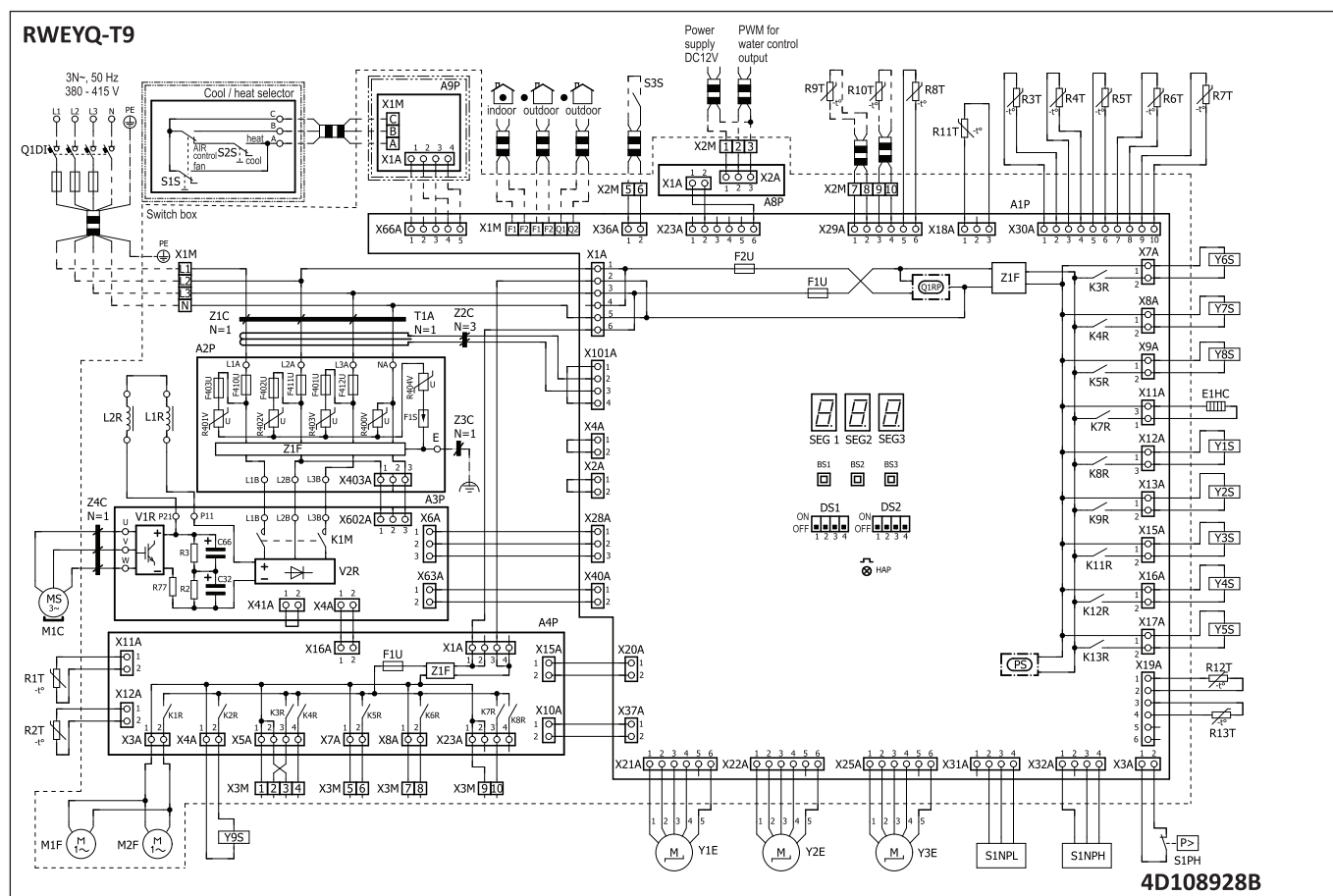


## 9 - 1 Wiring Diagrams - Three Phase



# 9 Wiring diagrams

## 9 - 2 Notes & Legend

### RWEYQ-T9

#### NOTES to go through before starting the unit

Symbols

X1M : Main terminal

— : Earth wiring

15 : Wire number 15

— : Field wire

— : Field cable

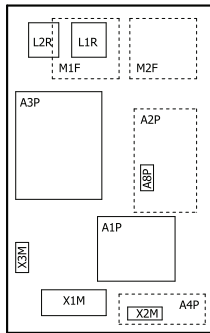
→ \*\*/12.2 : Connection \*\* continues on page 12 column 2

①

: Several wiring possibilities

1. Refer to the installation or service manual on how to use BS1 ~ BS3 push buttons and DS1 ~ DS2 DIP switches.
2. Do not operate the unit by short-circuiting protection device (S1PH).
3. For connection to indoor-outdoor transmission F1-F2 wiring, outdoor - outdoor transmission F1-F2, refer to "service manual".

#### POSITION IN SWITCH BOX



#### LEGEND

| Part n°     | Description                         |
|-------------|-------------------------------------|
| A1P         | main PCB                            |
| A2P         | noise filter PCB                    |
| A3P         | inverter PCB                        |
| A4P         | SUB PCB                             |
| A8P         | adaptor PCB                         |
| A9P         | * cool/heat selector PCB            |
| BS* (A1P)   | push buttons (mode, set, return)    |
| C* (A3P)    | capacitor                           |
| DS* (A1P)   | dipswitch                           |
| E1HC        | crankcase heater                    |
| F1S (A2P)   | surge arrestor                      |
| F1U (A4P)   | fuse T 3,15 A 250 V                 |
| F401U (A2P) | fuse T 6,3 A 250 V                  |
| F402U (A2P) | fuse T 6,3 A 250 V                  |
| F403U (A2P) | fuse T 6,3 A 250 V                  |
| F410U (A2P) | fuse T 63 A 600 V                   |
| F411U (A2P) | fuse T 63 A 600 V                   |
| F412U (A2P) | fuse T 63 A 600 V                   |
| F*U (A1P)   | fuse T 3,15 A 250 V                 |
| HAP (A1P)   | running LED (service monitor-green) |
| K1M (A3P)   | magnetic contactor                  |
| K*R (A*P)   | magnetic relay                      |
| L*R         | reactor                             |
| M1C         | motor (compressor)                  |
| M*F         | motor (fan)                         |
| PS (A1P)    | power supply                        |
| Q1DI        | # earth leakage circuit breaker     |
| Q1RP (A1P)  | phase reversal detect circuit       |
| R* (A3P)    | resistor                            |
| R*T         | thermistor                          |
| R*V (A2P)   | varistor                            |
| S1NPH       | high pressure sensor                |
| S1NPL       | low pressure sensor                 |
| S1PH        | high pressure switch (disch)        |
| S1S         | air control switch                  |
| S2S         | cool / heat switch                  |

| Part n°    | Description                                     |
|------------|-------------------------------------------------|
| S3S        | interlock switch                                |
| SEG* (A1P) | 7-segment display                               |
| T1A        | leakage current detection sensor                |
| V1R (A3P)  | IGBT power module                               |
| V2R (A3P)  | diode module                                    |
| X66A       | connector (remote switching cool/heat selector) |
| X*A        | PCB connector                                   |
| X*M        | terminal strip                                  |
| X*M (A*P)  | terminal strip on PCB                           |
| X*Y        | connector                                       |
| Y*E        | electronic expansion valve                      |
| Y*S        | solenoid valve                                  |
| Z*C        | noise filter (ferrit core)                      |
| Z*F        | noise filter                                    |

\* : optional # : field supply

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