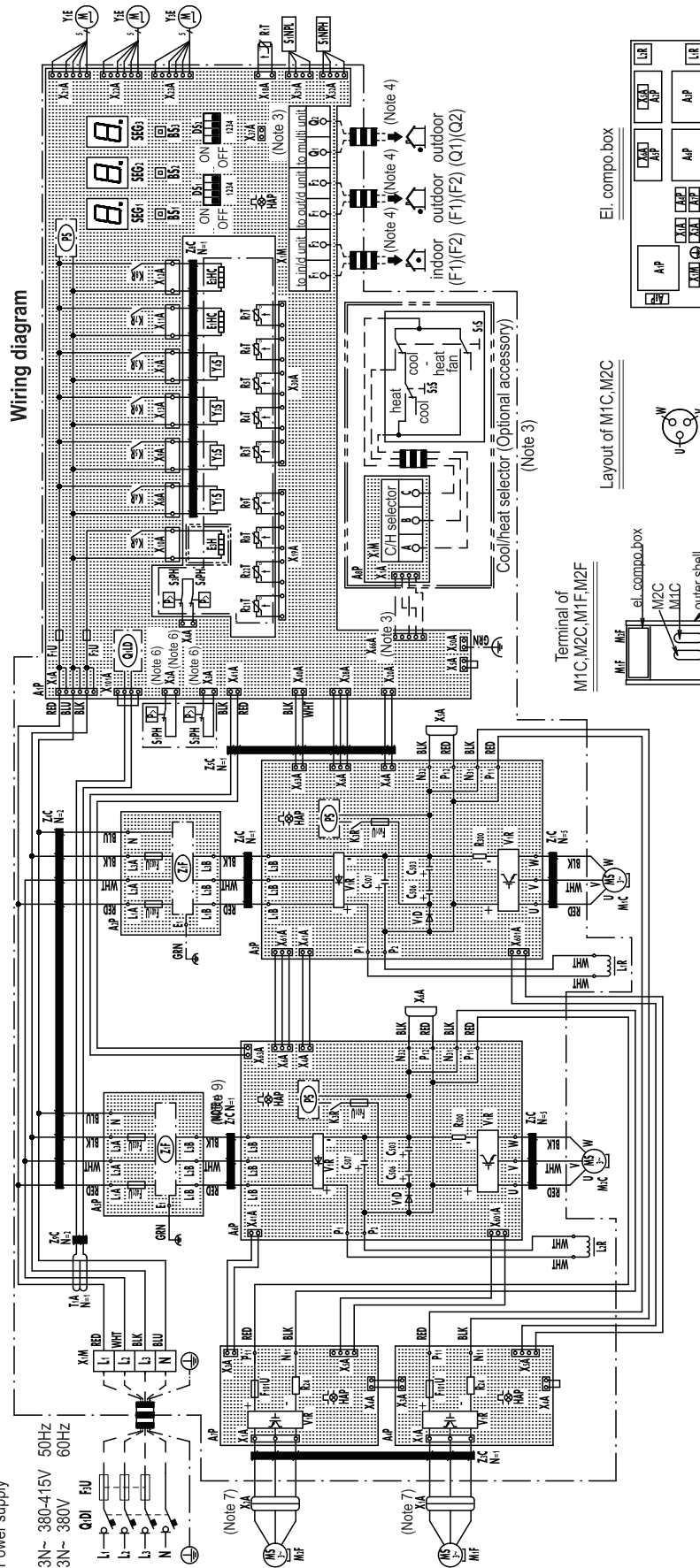


9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

RXYQQ14-20U



9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

9

RXYQQ14-20U

| | | | |
|---------------------------|--------------------------------------|------------------------------------|---|
| A1P | Printed Circuit Board (Main) | R300 (A3P,A6P) | Resistor (Current Sensor) |
| A2P,A5P | Printed Circuit Board (Noise Filter) | R1T | Thermistor (Air) |
| A3P,A6P | Printed Circuit Board (Inv) | R3T | Thermistor (Accumulator) |
| A4P,A7P | Printed Circuit Board (Fan) | R4T | Thermistor (Heat Exc,Liq,Pipe) |
| A8P | Printed Circuit Board (ABC I/P) | R5T | Thermistor (Subcool,Liq,Pipe) |
| BS1~3 (A1P) | Push button switch (mode,set,return) | R6T | Thermistor (Heat Exc,Gas Pipe) |
| C503,C506,C507 (A3P,A6P) | Capacitor | R7T | Thermistor (Heat Exc,Deicer) |
| DS1,DS2 (A1P) | DIP Switch | R8T,R9T | Thermistor (M1C ,M2C body) |
| E1HC,E2HC | Crankcase Heater | R21T,R22T | Thermistor (M1C ,M2C discharge) |
| E3H | Drainpan Heater (Option) | S1NPH | Pressure Sensor (High) |
| F1U,F2U (A1P) | Fuse (T,3,15A,250V) | S1NPL | Pressure Sensor (Low) |
| F3U | Field Fuse | S1PH,S2PH | Pressure Switch (Disch) |
| F101U (A4P,A7P) | Fuse | SEG1~SEG3 (A1P) | 7-Segment Display |
| F401U,F403U (A2P,A5P) | Fuse | T1A | Current Sensor |
| F601U (A3P,A6P) | Fuse | V1D (A3P,A6P) | Diode |
| HAP (A1P,A3P,A4P,A6P,A7P) | Pilotlamp (Service Monitor-Green) | V1R (A3P,A4P,A6P,A7P) | Power Module |
| K3R (A3P,A6P) | Magnetic Relay | X*A | Connector |
| K3R (A1P) | Magnetic Relay (Y4S) | X1M (A1P) | Terminal Block (Control) |
| K4R (A1P) | Magnetic Relay (Y1S) | X1M (A8P) | Terminal Block (Power Supply) |
| K5R (A1P) | Magnetic Relay (Y2S) | Y1E | Electronic Expansion Valve(Main) |
| K6R (A1P) | Magnetic Relay (E3H) | Y2E | Electronic Expansion Valve (Injection) |
| K7R (A1P) | Magnetic Relay (E1HC) | Y3E | Electronic Expansion Valve (Refrigerant Jacket) |
| K8R (A1P) | Magnetic Relay (E2HC) | Y1S | Solenoid Valve (Main) |
| K9R (A1P) | Magnetic Relay (Y3S) | Y2S | Solenoid Valve (Accumulator Oil Return) |
| L1R,L2R | Reactor | Y3S | Solenoid Valve (Oil1) |
| M1C,M2C | Motor (Compressor) | Y4S | Solenoid Valve (Oil2) |
| M1F,M2F | Motor (Fan) | Z*C | Noise Filter (Ferrite Core) |
| PS (A1P,A3P,A6P) | Switching Power Supply | Z*F (A2P,A5P) | Noise Filter (With Surge Absorber) |
| Q1DI | Field Earth Leakage Breaker | Connector For Optional Accessories | |
| Q1LD (A1P) | Field Earth Current Detector | X10A | Connector (Drainpan Heater) |
| R24 (A4P,A7P) | Resistor (Current Sensor) | X37A | Connector (Power Adapter) |
| | | X66A | Connector (Remote Switching Cool/Heat Selector) |

NOTES

1. This wiring diagram applies only to the outdoor unit.
2. : field wiring, : terminal block, : connector, : terminal, : protective earth (screw), : functional earth, : earth wiring, : field supply, : PCB, : switch box, : option
3. When using the optional adapter, refer to the installation manual of the optional adapter.
4. For connection wiring to indoor-outdoor transmission F1-F2, outdoor-outdoor transmission F1-F2, outdoor-multi transmission Q1-Q2, refer to the installation manual.
5. How to use BS1~3 switch. Refer to "service precaution" label on el. compo. box cover.
6. When operating, don't shortcircuit the protection devices (S1PH,S2PH,S3PH,S4PH).
7. Connector X1A (M1F) is red, connector X2A (M2F) is white.
8. Colors: BLK: Black, RED: Red, BLU: Blue, WHT: White, GRN: Green.
9. Only for 14,16 class

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