

## 9 Wiring diagrams

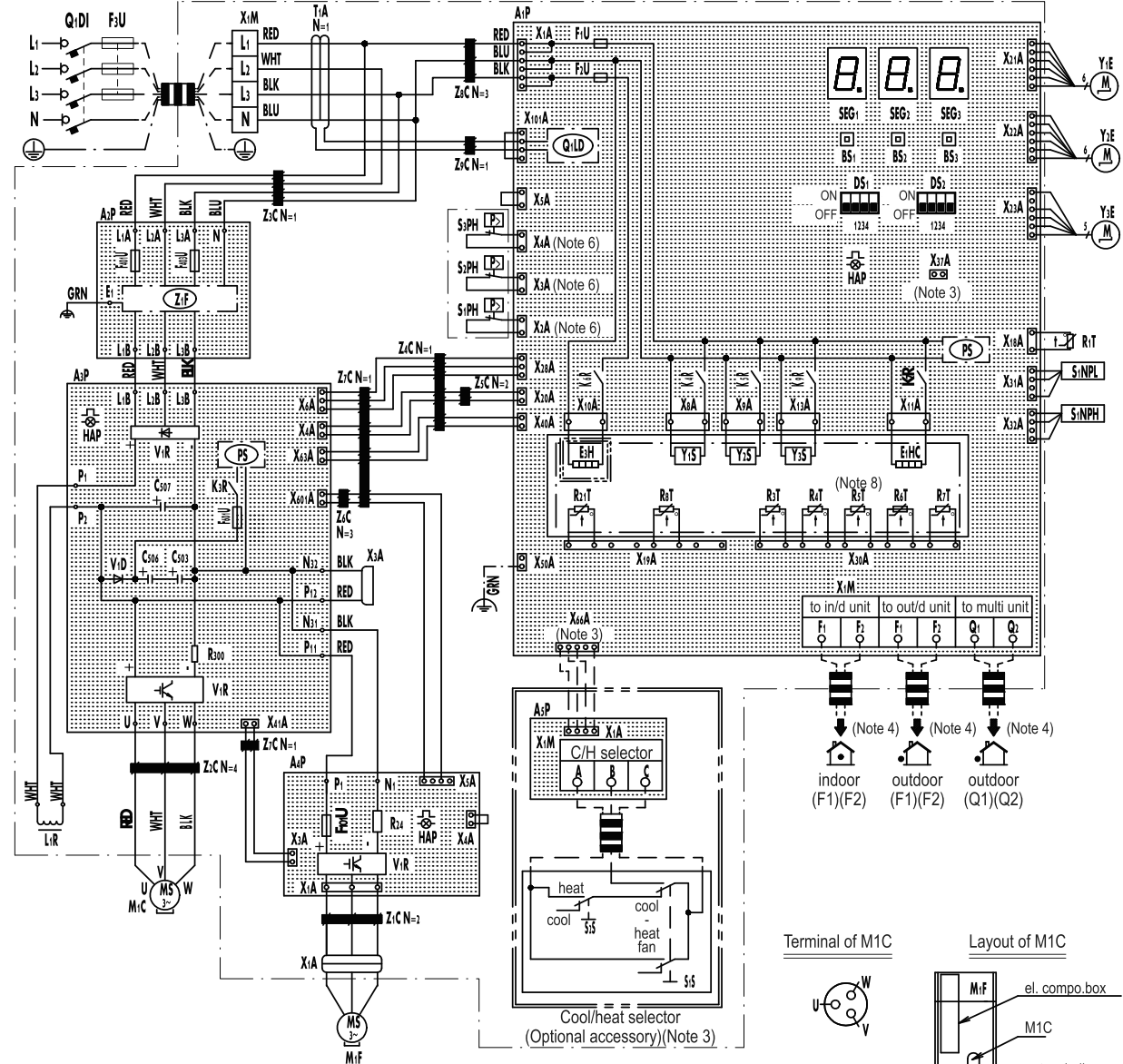
### 9 - 1 Wiring Diagrams - Three Phase

#### RXYQQ8-12U

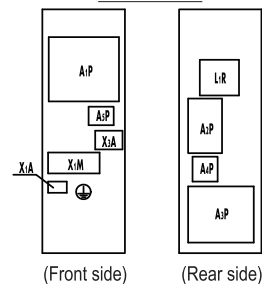
Power supply

3N~ 380-415V 50Hz  
3N~ 380V 60Hz

#### Wiring diagram



El. compo.box



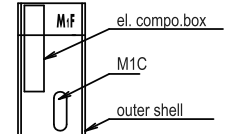
(Front side)

(Rear side)

Terminal of M1C



Layout of M1C



2D117535

## 9 Wiring diagrams

### 9 - 1 Wiring Diagrams - Three Phase

9

#### RXYQQ8-12U

A1P	Printed Circuit Board (Main)	R4T	Thermistor (Heat Exc,Liq,Pipe)
A2P	Printed Circuit Board (Noise Filter)	R5T	Thermistor (Subcool,Liq,Pipe)
A3P	Printed Circuit Board (Inv)	R6T	Thermistor (Heat Exc,Gas Pipe)
A4P	Printed Circuit Board (Fan)	R7T	Thermistor (Heat Exc,Deicer)
A5P	Printed Circuit Board (ABC I/P)(Option)	R8T	Thermistor (M1C body)
BS1~3 (A1P)	Push Button Switch (Mode,Set,Return)	R21T	Thermistor (M1C discharge)
C503,C506,C507 (A3P)	Capacitor	S1NPH	Pressure Sensor (High)
DS1,DS2 (A1P)	DIP Switch	S1NPL	Pressure Sensor (Low)
E1HC	Crankcase Heater	S1PH	Pressure Switch (Disch)
E3H	Drainpan Heater (Option)	S2PH	Pressure Switch (Gas)
F1U,F2U (A1P)	Fuse (T,3,15A,250V)	S3PH	Pressure Switch (Liquid)
F3U	Field Fuse	SEG1~SEG3 (A1P)	7-Segment Display
F101U (A4P)	Fuse	T1A	Current Sensor
F401U,F403U (A2P)	Fuse	V1D (A3P)	Diode
F601U (A3P)	Fuse	V1R (A3P,A4P)	Power Module
HAP (A1P,A3P, A4P)	Pilotlamp (Service Monitor-Green)	X*A	Connector
K3R (A3P)	Magnetic Relay	X1M (A1P)	Terminal Block (Control)
K4R (A1P)	Magnetic Relay (Y1S)	X1M (A5P)	Terminal Block (Power Supply)(Option)
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)
K9R (A1P)	Magnetic Relay (Y3S)	Y1S	Solenoid Valve (Main)
L1R	Reactor	Y2S	Solenoid Valve (Accumulator Oil Return)
M1C	Motor (Compressor)	Y3S	Solenoid Valve (Oil1)
M1F	Motor (Fan)	Z*C	Noise Filter (Ferrite Core)
PS (A1P,A3P)	Switching Power Supply	Z*F (A2P)	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)	Resistor (Current Sensor)	X37A	Connector (Power Adapter)
R300 (A3P)	Resistor (Current Sensor)	X66A	Connector (Remote Switching Cool/Heat Selector)
R1T	Thermistor (Air)		
R3T	Thermistor (Accumulator)		

#### 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).
7. Colors: BLK: Black, RED: Red, BLU: Blue, WHT: White, GRN: Green.

2D117535