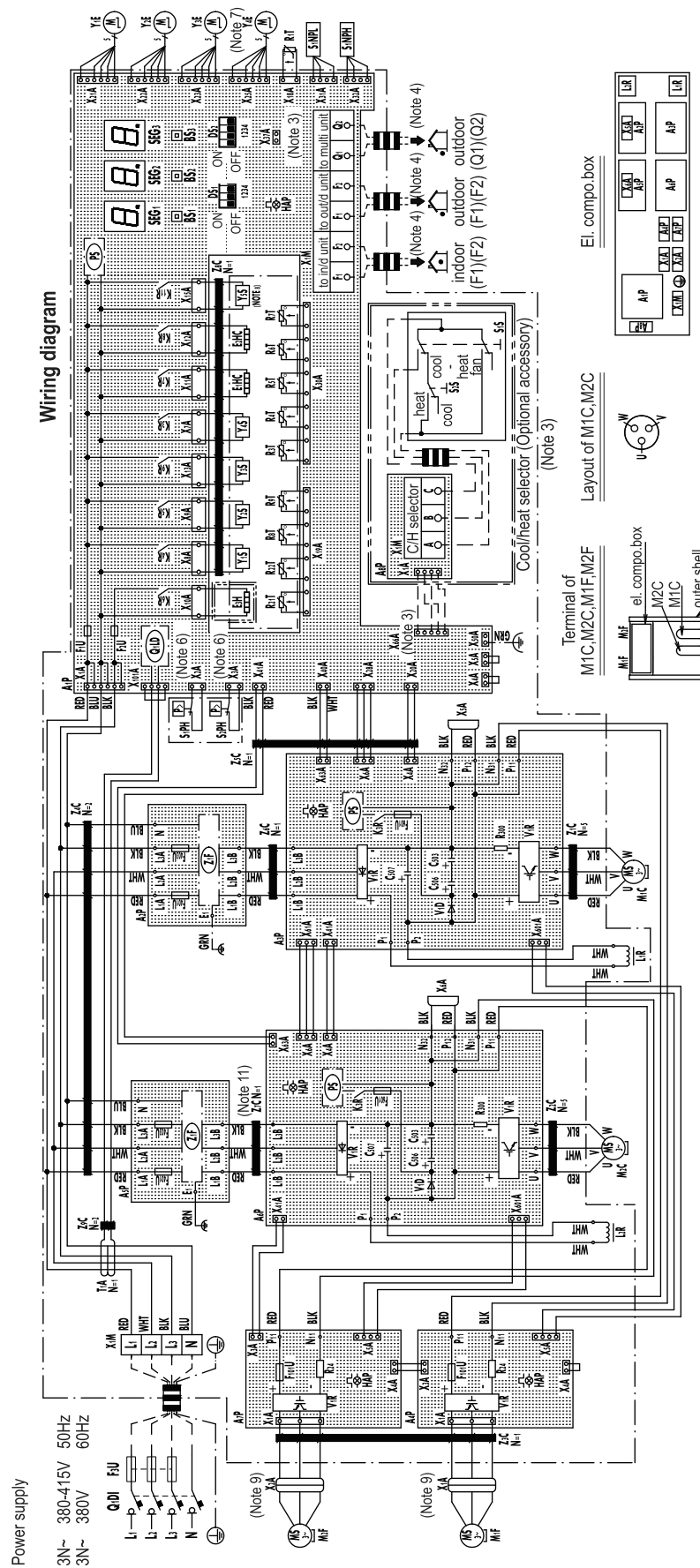


9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

RXYQ14-20U
RXYTQ14-16U
RYYQ14-20U
RYMQ14-20U

Wiring diagram



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9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

9

RXYQ14-20U RXYTQ14-16U RYYQ14-20U RYMQ14-20U

A1P	Printed Circuit Board (Main)	R3T	Thermistor (Accumulator)
A2P,A5P	Printed Circuit Board (Noise Filter)	R4T	Thermistor (Heat Exc,Liq,Pipe)
A3P,A6P	Printed Circuit Board (Inv)	R5T	Thermistor (Subcool,Liq,Pipe)
A4P,A7P	Printed Circuit Board (Fan)	R6T	Thermistor (Heat Exc,Gas Pipe)
A8P	Printed Circuit Board (ABC I/P)	R7T	Thermistor (Heat Exc,Deicer)
C503,C506,C507 (A3P,A6P)	Capacitor	R8T,R9T	Thermistor (M1C ,M2C body)
DS1,DS2 (A1P)	DIP Switch	R21T,R22T	Thermistor (M1C ,M2C discharge)
E1HC,E2HC	Crankcase Heater	S1NPH	Pressure Sensor (High)
E3H	Drainpan Heater (Option)	S1NPL	Pressure Sensor (Low)
F1U,F2U (A1P)	Fuse (T,3,15A,250V)	S1PH,S2PH	Pressure Switch (Disch)
F3U	Field Fuse	SEG1~SEG3 (A1P)	7-Segment Display
F101U (A4P,A7P)	Fuse	T1A	Current Sensor
F401U,F403U (A2P,A5P)	Fuse	V1D (A3P,A6P)	Diode
F601U (A3P,A6P)	Fuse	V1R (A3P,A4P,A6P,A7P)	Power Module
HAP (A1P,A3P,A4P,A6P,A7P)	Pilotlamp (Service Monitor-Green)	X*A	Connector
K3R (A3P,A6P)	Magnetic Relay	X1M (A1P)	Terminal Block (Control)
K3R (A1P)	Magnetic Relay (Y4S)	X1M (A8P)	Terminal Block (Power Supply)
K4R (A1P)	Magnetic Relay (Y1S)	Y1E	Electronic Expansion Valve(Main)
K5R (A1P)	Magnetic Relay (Y2S)	Y2E	Electronic Expansion Valve (Injection)
K6R (A1P)	Magnetic Relay (E3H)	Y3E	Electronic Expansion Valve (Refrigerant Jacket)
K7R (A1P)	Magnetic Relay (E1HC)	Y4E	Electronic Expansion Valve (Storage Vessel) (Note 7)
K8R (A1P)	Magnetic Relay (E2HC)	Y1S	Solenoid Valve (Main)
K9R (A1P)	Magnetic Relay (Y3S)	Y2S	Solenoid Valve (Accumulator Oil Return)
K11R (A1P)	Magnetic Relay (Y5S)	Y3S	Solenoid Valve (Oil1)
L1R,L2R	Reactor	Y3S	Solenoid Valve (Oil2)
M1C,M2C	Motor (Compressor)	Y5S	Solenoid Valve (Sub) (Note 8)
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)
R300 (A3P,A6P)	Resistor (Current Sensor)	X66A	Connector (Remote Switching Cool/Heat Selector)
R1T	Thermistor (Air)		

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).
7. Only for RYYQ model.
8. Only for RYYQ/RYMQ model.
9. Connector x1a (m1f) is red, connector x2a (m2f) is white.
10. Colors: BLK: Black, RED: Red, BLU: Blue, WHT: White, GRN: Green.
11. Only for 14,16 class

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