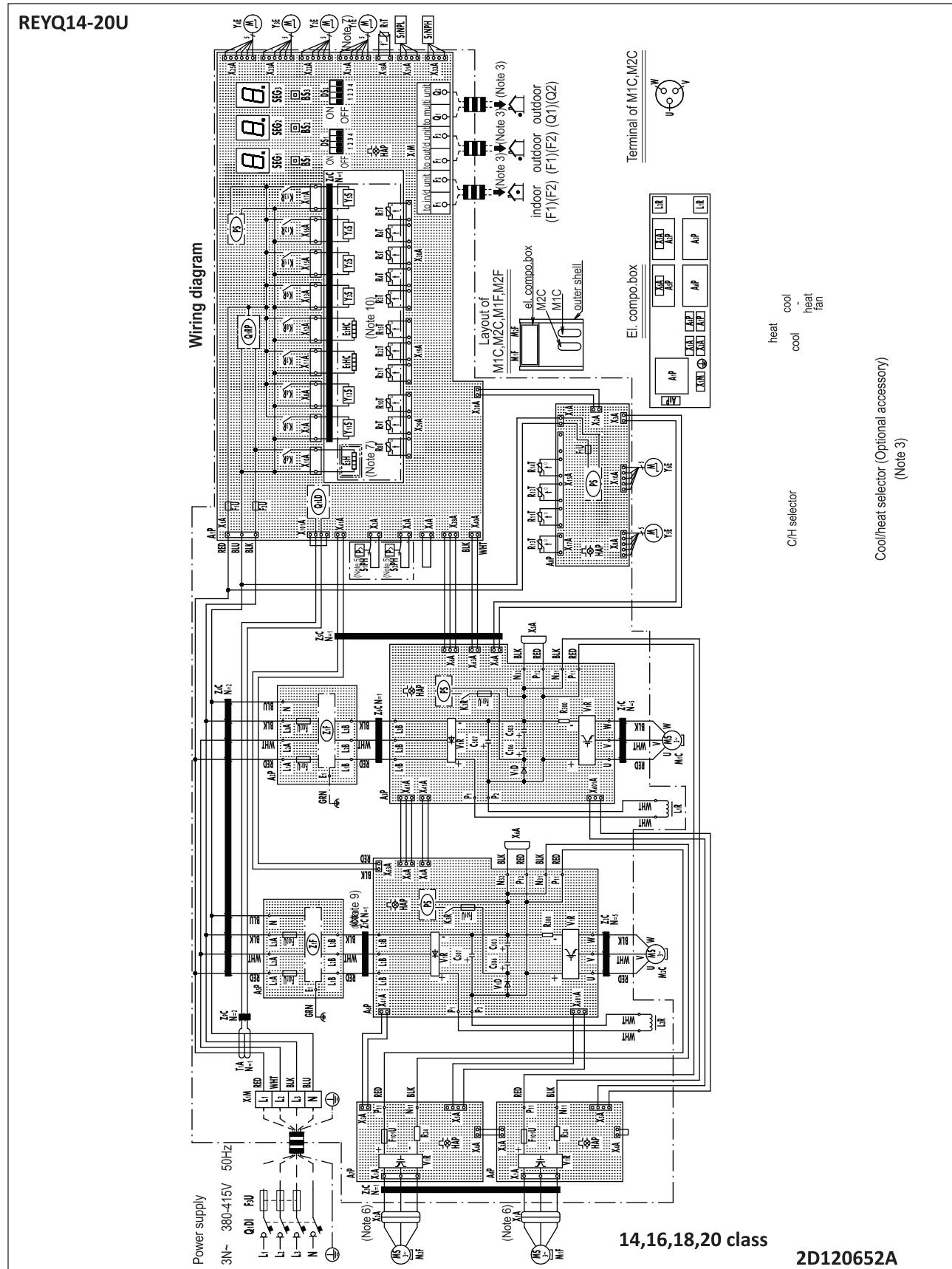


9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase



9 Wiring diagrams

9 - 1 Wiring Diagrams - Three Phase

REYQ14-20U

A1P	Printed Circuit Board (Main)	R4T	THERMISTOR (HEAT EXC. LIQ. UPPER)
A2P,A5P	Printed Circuit Board (Noise Filter)	R5T	Thermistor (Heat Exc. Liq. Lower)
A3P,A6P	Printed Circuit Board (Inv)	R6T	Thermistor (Subcool Heat Exc. Gas)
A4P,A7P	Printed Circuit Board (Fan)	R7T	Thermistor (Subcool Heat Exc. Liq.)
A8P	Printed Circuit Board (Sub)	R8T	Thermistor (Heat Exc. Gas Upper)
BS1~3 (A1P)	Push Button Switch (Mode,Set,Return)	R9T	Thermistor (Heat Exc. Gas Lower)
C503,C506,C507 (A3P,A6P)	Capacitor	R10T	Thermistor (Suction)
DS1,DS2 (A1P)	DIP Switch	R11T	Thermistor (Heat Exc. Deicer)
E1HC,E2HC	Crankcase Heater	R12T	Thermistor (Suction Comp.)
E3H	Drainpan Heater (Option)	R13T	Thermistor (Receiver Gas)
F1U,F2U (A1P)	Fuse (T,3,15A,250V)	R14T	Thermistor (Auto Charge)
F1U (A8P)	Fuse (T,3,15A,250V)	R15T	Thermistor (Comp. Body)
F3U	Field Fuse	R21T,R22T	Thermistor (M1C ,M2C discharge)
F101U (A4P,A7P)	Fuse	S1NPH	Pressure Sensor (High)
F401U,F403U (A2P,A5P)	Fuse	S1NPL	Pressure Sensor (Low)
F601U (A3P,A6P)	Fuse	S1PH,S2PH	Pressure Switch (High)
HAP (A1P A3P,A4P, A6P,A8P)	Pilotlamp (Service Monitor-Green)	SEG1~SEG3 (A1P)	7-Segment Display
K3R (A3P,A6P)	Magnetic Relay	T1A	Current Sensor
K3R (A1P)	Magnetic Relay (Y12S)	V1D (A3P,A6P)	Diode
K4R (A1P)	Magnetic Relay (Y11S)	V1R (A3P,A4P,A6P,A7P)	Power Module
K6R (A1P)	Magnetic Relay (E3H)	X*A	Connector
K7R (A1P)	Magnetic Relay (E1HC)	X1M	Terminal Block
K8R (A1P)	Magnetic Relay (E2HC)	X1M (A1P)	Terminal Block (Control)
K9R (A1P)	Magnetic Relay (Y3S)	Y1E	Electr.exp.valve (Heat Exc. Upper)
K11R (A1P)	Magnetic Relay (Y2S)	Y2E	Electr.exp.valve (Subcool Heat Exc.)
K12R (A1P)	Magnetic Relay (Y4S)	Y3E	Electr.exp.valve (Heat Exc. Lower)
K13R (A1P)	Magnetic Relay (Y5S)	Y4E	Electr.exp.valve (Receiver Gas)
L1R,L2R	Reactor	Y5E	Electr.exp.valve (Inv. Cooling)
M1C,M2C	Motor (Compressor)	Y6E	Electr.exp.valve (Auto Charge)
M1F,M2F	Motor (Fan)	Y2S	Solenoid Valve (Liq. Pipe)
PS (A1P,A3P,A6P,A8P)	Switching Power Supply	Y3S	Solenoid Valve (Hp/Lp Gas Pipe)
Q1DI	Field Earth Leakage Breaker	Y4S	Solenoid Valve (Heat Exc. Lower)
Q1LD (A1P)	Field Earth Current Detector	Y5S	Solenoid Valve (Heat Exc. Upper)
R24 (A4P,A7P)	Resistor (Current Sensor)	Y11S	Solenoid Valve (Oil Return M1C)
R300 (A3P,A6P)	Resistor (Current Sensor)	Y12S	Solenoid Valve (Oil Return M2C)
R1T	Thermistor (Air)	Z*C	Noise Filter (Ferrite Core)
R3T	THERMISTOR (LIQUID MAIN)	Z*F (A2P,A5P)	Noise Filter (With Surge Absorber)
			Connector For Optional Accessories
		X10A	Connector (Drainpan Heater)

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. For connection wiring to indoor-outdoor transmission F1-F2, outdoor-outdoor transmission F1-F2, outdoor-multi transmission Q1-Q2, refer to the installation manual.
4. How to use BS1~3 switch. Refer to "service precaution" label on el. compo. box cover.
5. When operating, don't shortcircuit the protection devices (S1PH, S2PH).
6. Connector X1A (M1F) is red, connector X2A (M2F) is white.
7. When using the optional accessory, refer to the installation manual of the optional accessory.
8. Colors: BLK: Black, RED: Red, BLU: Blue, WHT: White, GRN: Green.

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