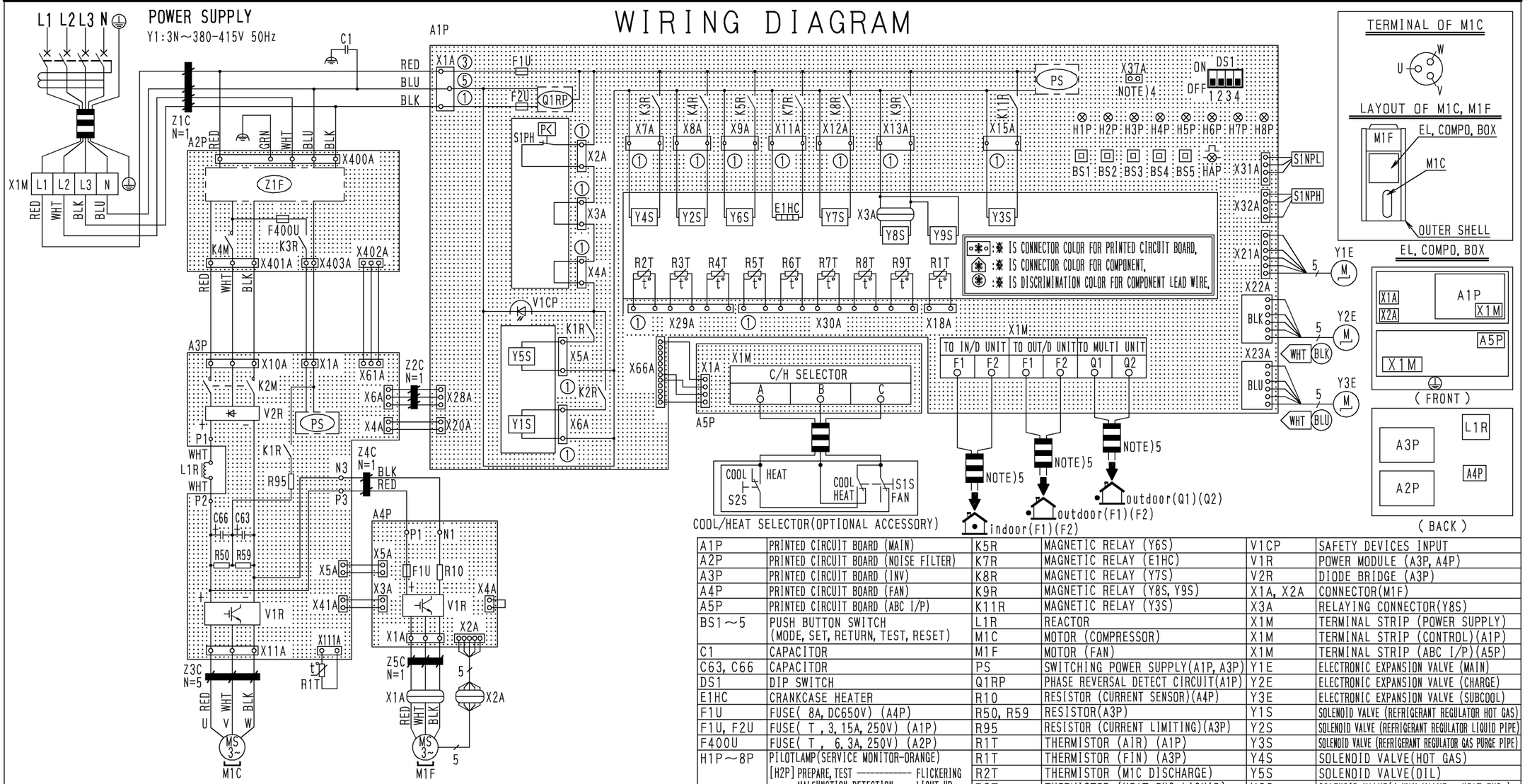
DWG. NO. 3D066011A

WIRING DIAGRAM



NOTES)

1. THIS WIRING DIAGRAM IS APPLIED ONLY TO THE OUTDOOR UNIT.
2. :FIELD WIRING.
3. :TERMINAL STRIP :CONNECTOR :TERMINAL :PROTECTIVE EARTH (SCREW)
4. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
5. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1・F2, OUTDOOR-OUTDOOR TRANSMISSION F1・F2, REFER TO THE INSTALLATION MANUAL.
6. HOW TO USE BS1～5 AND DS1 SWITCH, REFER TO "SERVICE PRECAUTION" LABEL ON EL. COMPO. BOX COVER.
7. WHEN OPERATING, DON'T SHORTCIRCUIT THE PROTECTION DEVICE(S1PH).
8. COLORS BLK:BLACK RED:RED BLU:BLUE WHT:WHITE PNK:PINK YLW:YELLOW BRN:BROWN GRY:GRAY GRN:GREEN ORG:ORANGE.

A1P	PRINTED CIRCUIT BOARD (MAIN)	K5R	MAGNETIC RELAY (Y6S)	V1CP	SAFETY DEVICES INPUT
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	K7R	MAGNETIC RELAY (E1HC)	V1R	POWER MODULE (A3P, A4P)
A3P	PRINTED CIRCUIT BOARD (INV)	K8R	MAGNETIC RELAY (Y7S)	V2R	DIODE BRIDGE (A3P)
A4P	PRINTED CIRCUIT BOARD (FAN)	K9R	MAGNETIC RELAY (Y8S, Y9S)	X1A, X2A	CONNECTOR(M1F)
A5P	PRINTED CIRCUIT BOARD (ABC I/P)	K11R	MAGNETIC RELAY (Y3S)	X3A	RELAYING CONNECTOR(Y8S)
BS1～5	PUSH BUTTON SWITCH (MODE, SET, RETURN, TEST, RESET)	L1R	REACTOR	X1M	TERMINAL STRIP (POWER SUPPLY)
		M1C	MOTOR (COMPRESSOR)	X1M	TERMINAL STRIP (CONTROL)(A1P)
C1	CAPACITOR	M1F	MOTOR (FAN)	X1M	TERMINAL STRIP (ABC I/P)(A5P)
C63, C66	CAPACITOR	PS	SWITCHING POWER SUPPLY(A1P, A3P)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
DS1	DIP SWITCH	Q1RP	PHASE REVERSAL DETECT CIRCUIT(A1P)	Y2E	ELECTRONIC EXPANSION VALVE (CHARGE)
E1HC	CRANKCASE HEATER	R10	RESISTOR (CURRENT SENSOR)(A4P)	Y3E	ELECTRONIC EXPANSION VALVE (SUBCOOL)
F1U	FUSE(8A, DC650V) (A4P)	R50, R59	RESISTOR(A3P)	Y1S	SOLENOID VALVE (REFRIGERANT REGULATOR HOT GAS)
F1U, F2U	FUSE(T , 3.15A, 250V) (A1P)	R95	RESISTOR (CURRENT LIMITING)(A3P)	Y2S	SOLENOID VALVE (REFRIGERANT REGULATOR LIQUID PIPE)
F400U	FUSE(T , 6.3A, 250V) (A2P)	R1T	THERMISTOR (AIR) (A1P)	Y3S	SOLENOID VALVE (REFRIGERANT REGULATOR GAS PURGE PIPE)
H1P～8P	PILOTLAMP(SERVICE MONITOR-ORANGE)	R1T	THERMISTOR (FIN) (A3P)	Y4S	SOLENOID VALVE(HOT GAS)
	[H2P] PREPARE, TEST ---------- FLICKERING	R2T	THERMISTOR (M1C DISCHARGE)	Y5S	SOLENOID VALVE(OIL)
	MALFUNCTION DETECTION --- LIGHT UP	R3T	THERMISTOR (HEAT EXC. LIQUID)	Y6S	SOLENOID VALVE(4 WAY VALVE - HEAT EXC.)
HAP	PILOTLAMP(SERVICE MONITOR-GREEN)	R4T	THERMISTOR (HEAT EXC. GAS PIPE)	Y7S	SOLENOID VALVE(4 WAY VALVE - PIPING)
K1R	MAGNETIC RELAY (A3P)	R5T	THERMISTOR (SUCTION)	Y8S	SOLENOID VALVE(4 WAY VALVE - MIX)
K3R	MAGNETIC RELAY (A2P)	R6T	THERMISTOR (HEATEXC. DEICER)	Y9S	SOLENOID VALVE(MIX IN)
K2M	MAGNETIC CONTACTOR (M1C)(A3P)	R7T	THERMISTOR (SUBCOOLING GAS)	Z1C～5C	NOISE FILTER (FERRITE CORE)
K4M	MAGNETIC CONTACTOR (M1C)(A2P)	R8T	THERMISTOR (SUBCOOLING LIQUID)	Z1F	NOISE FILTER (WITH SURGE ABSORBER)
K1R	MAGNETIC RELAY (Y5S)	R9T	THERMISTOR (LIQUID)	COOL/HEAT SELECTOR	
K2R	MAGNETIC RELAY (Y1S)	S1NPH	PRESSURE SENSOR (HIGH)	S1S	SELECTOR SWITCH (FAN/COOL・HEAT)
K3R	MAGNETIC RELAY (Y4S)	S1NPL	PRESSURE SENSOR (LOW)	S2S	SELECTOR SWITCH (COOL/HEAT)
K4R	MAGNETIC RELAY (Y2S)	S1PH	PRESSURE SWITCH (HIGH)		

RQYQ140・180PY1, RQEQ140・180・212PY1