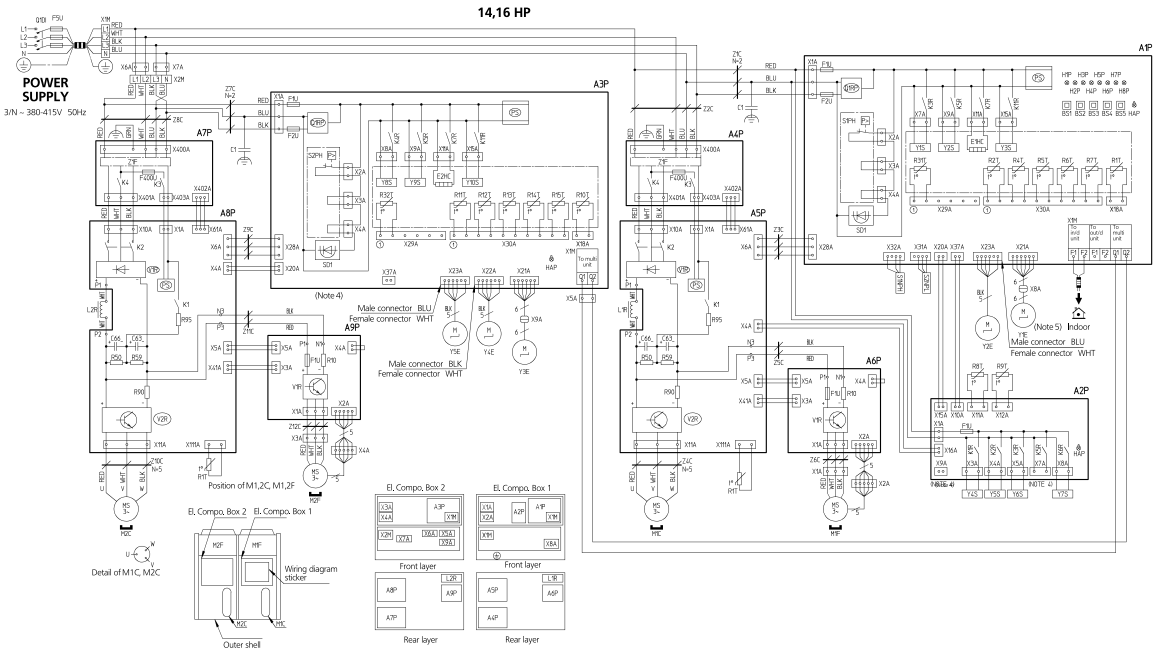


Printed circuit board	
A1P: Main	AAP/A7P: Noise filter
A2P: Sub 1	ASP, A8P: Inverter
A3P: Sub 2	A6P/A8P: Fan
B51~B55	Push button switch (Mode, set, return, test, reset)
C1, C63, C66	Capacitor
E1HC, E2HC	Crankcase heater (A1P, A3P)
F1U, F2U	Fuse (T, 3.15A, 250V) (A1P, A3P)
F1U	Fuse (T, 3.15A, 250V) (A2P)
F1U	Fuse (BA, DC650V) (A6P, A8P)
FSU	Field fuse
F400U	Fuse (T, 6.3/250V) (A6P/A7P)
H1P~H8P	Pilot lamp (service monitor-orange) (H3P) Prepare test---fllickering Malfunction detector---Light up
H4P	Pilot lamp (service monitor green) (A1P, A2P, A3P)
K1~K4	K1: Magnetic relay (ASP/A8P) K3: Magnetic relay (AAP/A7P) K2: Magnetic contactor (M1C-A8P/M2C-A8P) K4: Magnetic contactor (M1C-A6P/M2C-A7P)
Magnetic relay	
K1R: Y45	K5R: For option (A2P)
K2R: Y55	K5R: Y95 (A3P)
K3R: Y15 (A1P)	K6R: Y75 (A2P)
K3R: Y65 (A2P)	K7R: E1HC (A1P)
K4R: Y85	K7R: E2HC (A3P)
K5R: Y25 (A1P)	K11R: Y105 (A3P)
L1R	Reactor
M1C, M2C	Motor (Compressor)
M1F, M2F	Motor (Fan)
PS	Switching power supply (A1P, A3P, ASP/A8P)
Q1d	Earth leakage breaker
Q1RP	Reverse phase detection circuit (A1P, A3P)
R10	Resistor (current sensor) (A6P, A7P)
R50, R59	Resistor (ASP/A8P)
R90	Resistor (current sensor) (ASP/A8P)
R95	Resistor (current limiting) (ASP/A8P)
Thermistor	
R1T: Air (A1P)	R8T: Suction 1
R1T: Fin (ASP/A8P)	R9T: Liquid
R2T: HE gas 1	R10T: Suction 2
R31T: M1C Discharge	R11T: HE gas 2
R32T: M2C Discharge	R12T: HE deicer 2
R4T: HE deicer 1	R13T: Subcool HE gas 2
R5T: Subcool HE gas 1	R14T: Liquid 2
R6T: Subcool HE Liq	R15T: HE Liquid 2
R7T: HE Liquid 1	
S1NP	Pressure sensor (high)
S2NP	Pressure sensor (Pressure sensor (low))
S1PH, S2PH	Pressure switch (high)
T1A	Current sensor
SD1	Safety devices input (A1P, A3P)
V1R	Diode bridge (ASP/A8P)
V2R	Power module (ASP/A8P)
X1A~X9A	Connector
X1M	Terminal strip (Power supply)
X1M	Terminal (Control) (A1P/A3P)
X2M	Terminal strip (Relay)
Y1E	Electronic expansion valve (Main 1)
Y2E	Electronic expansion valve (Subcool 1)
Y3E	Electronic expansion valve (Main 2)
Y4E	Electronic expansion valve (Charge)
Y5E	Electronic expansion valve (Subcool 2)



Y15~Y105	Solenoid valve	
	Y15: RMTG	Y65: RMTT
	Y25: 4 way valve	Y75: RMT0
	Y35: RMTL	Y85: 4 way valve (pipe)
	Y45: hot gas	Y95: 4 way valve (HE 2)
	Y55: EV Bypass 1	Y105: EV Bypass 2
Z1~Z8C	Noise filter (Ferrite core)	
Z1F	Noise filter (with surge absorber) (AAP/A7P)	
Connector for optional parts		
X7A	Refer to the installation manual for connection wiring to indoor - outdoor unit transmission F1-F2 and how to use B51-B55 (A2P)	
X9A	Power supply (Adapter) (A2P)	
X37A	Power supply (Adapter) (A3P)	

- Notes:
- This wiring diagram only applies to the outdoor unit
 - Field wiring
 - Terminal strip: Fixed connector
 - Protective earth (screw)
 - When using the option adaptor, refer to the installation manual
 - Refer to the installation manual for connection wiring to indoor - outdoor unit transmission F1-F2 and how to use B51-B55
 - Do not operate the unit by short-circuiting any protection device S1PH, S2PH.
- BLK = Black RED = Red YLW = Yellow WHT = White PNK = Pink
BRN = Brown GRY = Grey GRN = Green ORG = Orange BLU = Blue