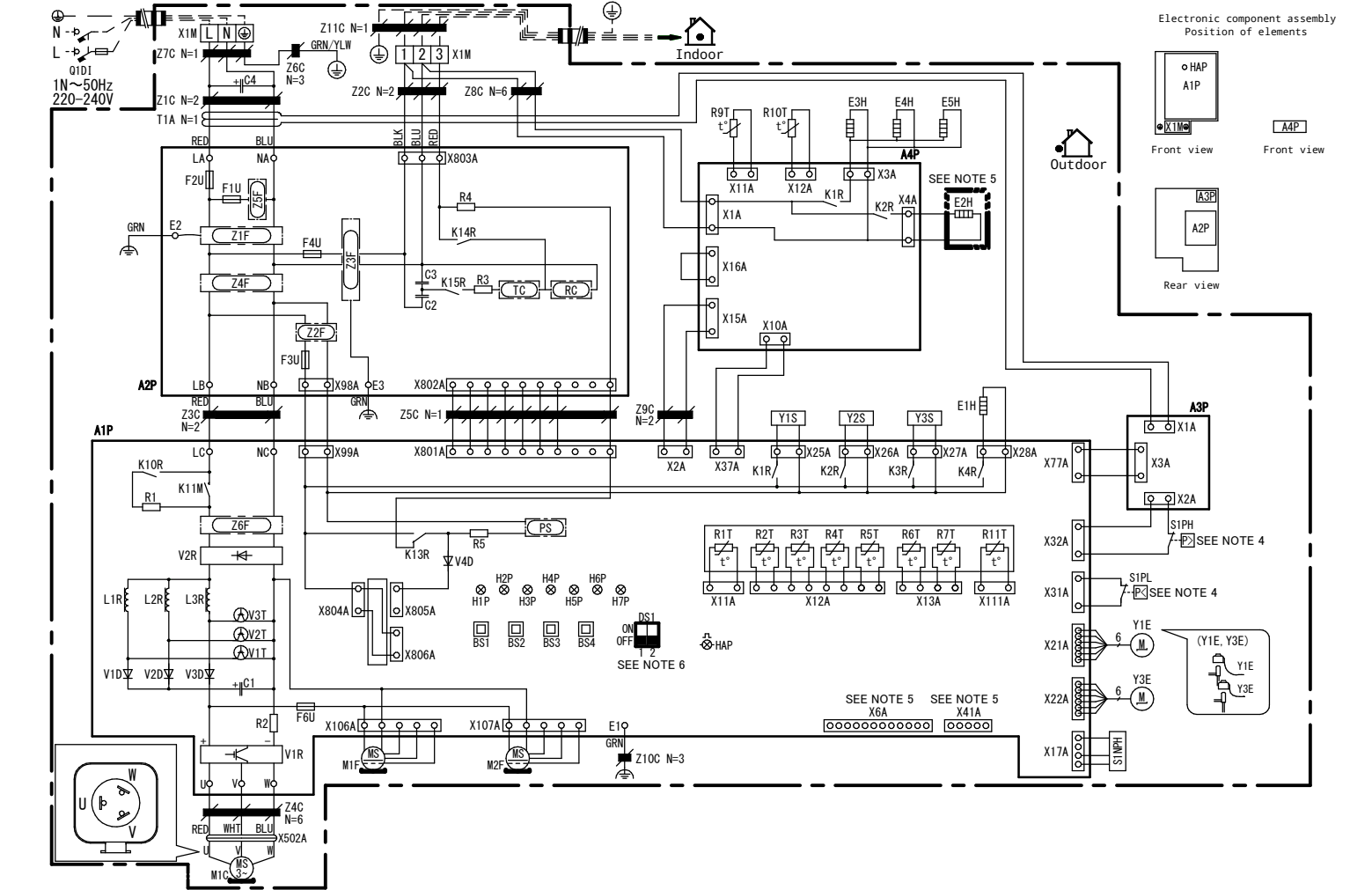


EPGA011-016DV7



A1P	Printed circuit board (main)	R2T	Thermistor (discharge)
A2P	Printed circuit board (noise filter)	R3T	Thermistor (suction)
A3P	Printed circuit board (leakage current)	R4T	Thermistor (heat exchanger, liquid pipe)
A4P	Printed circuit board (ACS)	R5T	Thermistor (heat exchanger middle)
BS1 ~ BS4 (A1P)	Push-button switch	R6T	Thermistor (refrigerant liquid)
C1 ~ C4 (A1P,A2P)	Capacitor	R7T	Thermistor (compressor)
DS1 (A1P)	DIP switch	R9T	Inlet water thermistor
E1H	Crankcase heater	R10T	Outlet water thermistor
E2H	Bottom plate heater (option)	R11T	Thermistor (fin)
E3H ~ E5H	PHE heaters	RC (A2P)	Signal receiver circuit
F1U ~ F4U (A2P)	Fuse	S1NPH	High pressure sensor
F6U (A1P)	Fuse ·(T 5.0A / 250V)·	S1PH	High pressure switch
H1P ~ H7P (A1P)	Light-emitting diode (service monitor is orange)	S1PL	Low pressure switch
HAP (A1P)	Light-emitting diode (service monitor is green)	TC (A2P)	Signal transmission circuit
K1R (A1P)	Magnetic relay ·Y1S·	V1D ~ V4D (A1P)	Diode
K1R (A4P)	Magnetic relay ·E3H - E5H·	V1R (A1P)	IGBT power module
K2R (A1P)	Magnetic relay ·Y2S·	V2R (A1P)	Diode module
K2R (A4P)	Magnetic relay ·E2H·	V1T ~ V3T (A1P)	Insulated Gate Bipolar Transistor (IGBT)
K3R (A1P)	Magnetic relay ·Y3S·	X1M	Terminal strip
K4R (A1P)	Magnetic relay ·E1H·	Y1E	Electronic expansion valve (main)
K10R (A1P)	Magnetic relay	Y3E	Electronic expansion valve (injection)
K11M (A1P)	Magnetic contactor	Y1S	Solenoid valve (4-way valve)
K13R ~ K15R (A1P,A2P)	Magnetic relay	Y2S	Solenoid valve (injection bypass)
L1R ~ L3R (A1P)	Reactor	Y3S	Solenoid valve (hot gas bypass)
M1C	Motor (compressor)	Z1C ~ Z11C	Noise filter (ferrite core)
M1F	Motor (fan)(upper)	Z1F ~ Z6F (A1P,A2P)	Noise filter
M2F	Motor (fan)(lower)		
PS (A1P)	Switching power supply		
Q1DI	Earth leakage circuit breaker ·(30mA)· (field supply)		
R1 ~ R5 (A1P,A2P)	Resistor		
R1T	Thermistor (ambient)		

Notes

1. L: Live N: Neutral Protective earth Noiseless earth
 Field wiring Option Connector Connection
 Terminal strip Terminal
2. Colours: blk:black; red:red; blu:blue; wht:white; grn:green; ylw:yellow; brn:brown; org:orange; pnk:pink
3. This wiring diagram applies only to the outdoor unit.
4. When operating, do not short-circuit protection device(s) ·S1PH, S1PL·.
5. Refer to the combination table and the option manual for how to connect the wiring to ·X6A, X4A· and ·X41A·.
6. Refer to the service manual for instructions on how to set the selector switches (DS1).
The factory setting of all switches is OFF.