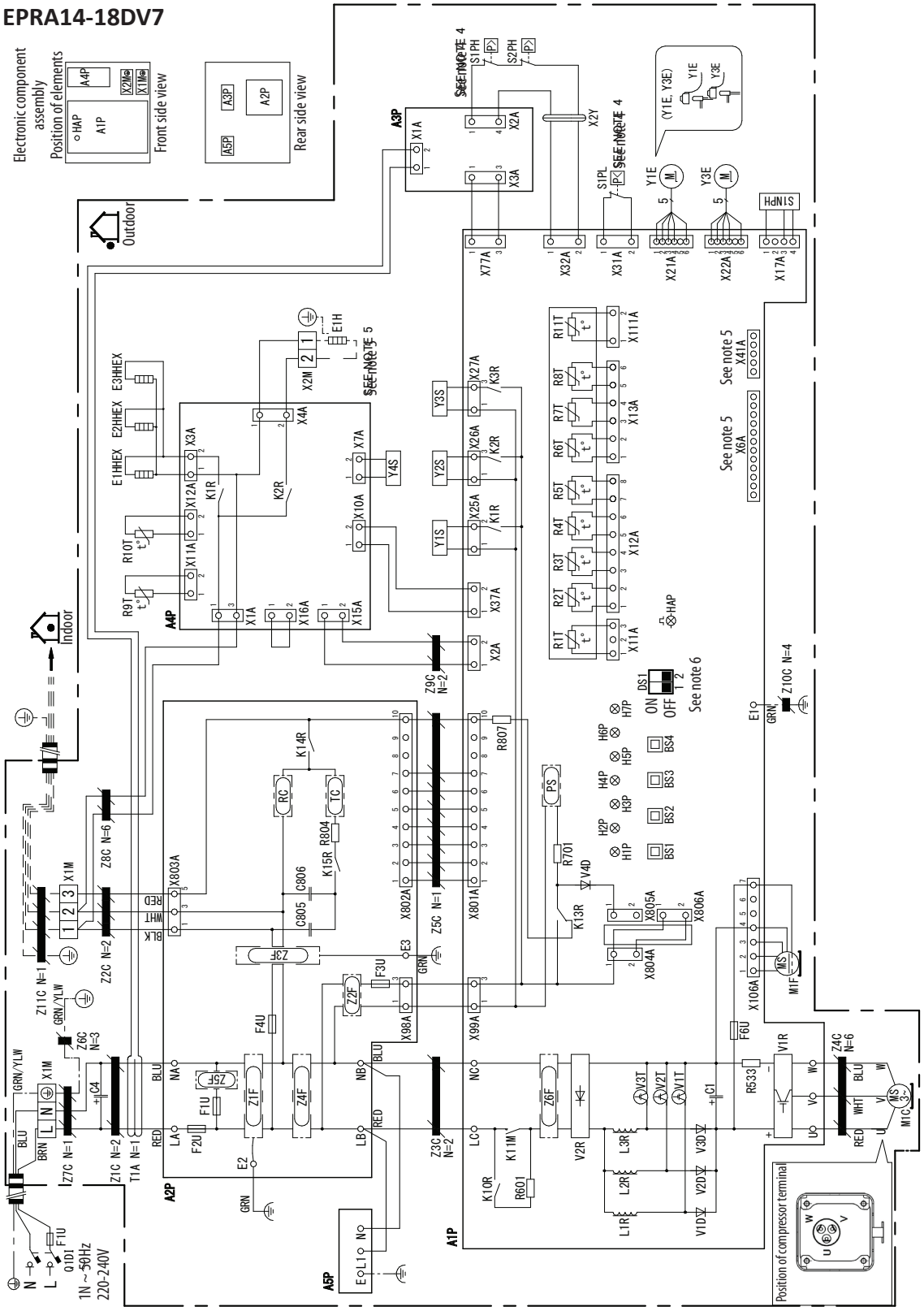
EPRA14-18DV7



NOTES

1. L : Live
   N : Neutral
   : Protective earth
   : Noiseless earth
   : Field wiring
   : Connection
   : Terminal
   : Terminal strip
   : Connector
   : Option
2. Colours:
   BLK : Black
   RED : Red
   BLU : Blue
   WHT : White
   GRN : Green
   YLW : Yellow
   BRN : Brown
   ORG : Orange
   PNK : Pink
   GRY : Grey
3. This wiring diagram applies only to the outdoor unit.
4. When operating, do not short-circuit protection device S1PH, S2PH and S1PL.
5. Refer to the combination table and the option manual for how to connect the wiring to X6A, X41A and X2M.
6. The factory setting of all switches is OFF, do not change the setting of the selector switch (DS1).

A1P	Printed circuit board (main)
A2P	Printed circuit board (noise filter)
A3P	Printed circuit board (leakage current)
A4P	Printed circuit board (ACS)
A5P	Printed circuit board (flash)
BS1 ~ BS4 (A1P)	Push-button switch
C1 ~ C806 (A1P, A2P)	Capacitor
DS1 (A1P)	DIP switch
E1H	Drain tube heater (field supply)
E1HHEX ~ E3HHEX	PHE heater
F1U	Field fuse (field supply)
F1U ~ F4U (A2P)	Fuse
F6U (A1P)	Fuse (T 5.0A / 250V)
H1P ~ H7P (A1P)	Light-emitting diode (service monitor is orange)
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay (Y1S)
K1R (A4P)	Magnetic relay (E1HHEX ~ E3HHEX)
K2R (A1P)	Magnetic relay (Y2S)
K2R (A4P)	Magnetic relay (E1H)

K3R (A1P)	Magnetic relay (Y3S)
K10R (A1P)	Magnetic relay
K11M (A1P)	Magnetic contactor
K13R ~ K15R (A1P, A2P)	Magnetic relay
L1R ~ L3R (A1P)	Reactor
M1C	Motor (compressor)
M1F	Motor (fan)
PS (A1P)	Switching power supply
Q1DI	Earth leakage circuit breaker (30mA) (field supply)
R533 ~ R807 (A1P, A2P)	Resistor
R1T	Thermistor (ambient)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger liquid pipe)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (refrigerant liquid)
R7T	Thermistor (compressor)
R8T	Thermistor (port)
R9T	Thermistor (inlet water)

R10T	Thermistor (outlet water)
R11T	Thermistor (fin)
RC (A2P)	Signal receiver circuit
S1NPH	High pressure sensor
S1PH~S2PH	High pressure switch
S1PL	Low pressure switch
T1A	Current transfo
TC (A2P)	Signal transmission circuit
V1D ~ V4D (A1P)	Diode
V1R (A1P)	IGBT power module
V2R (A1P)	Diode module
V1T ~ V3T (A1P)	Insulated Gate Bipolar Transistor (IGBT)
X1M ~ X2M	Terminal strip
Y1E	Electronic expansion valve (main)
Y3E	Electronic expansion valve (injection)
Y1S	Solenoid valve (4-way valve)
Y2S	Solenoid valve (low pressure bypass)
Y3S	Solenoid valve (hot gas bypass)
Y4S	Solenoid valve (liquid injection)
Z1C ~ Z11C	Noise filter (ferrite core)
Z1F ~ Z6F (A1P, A2P)	Noise filter