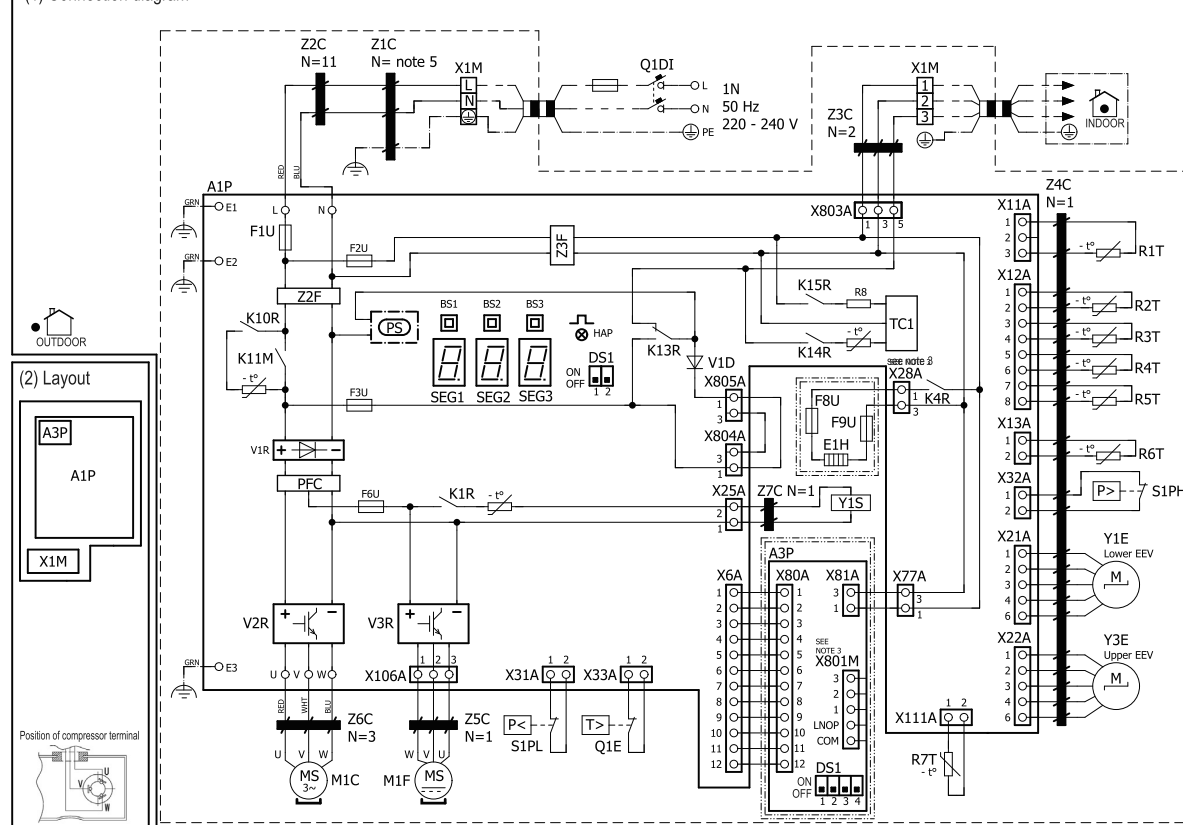


10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

RZAG71-100NV1

(1) Connection diagram



(3) NOTES

	: Connection		: switch box
	: Main terminal		: PCB
	: Earth wiring		: Wiring depending on model
	: Field supply		: Protective earth
	: Option		: Field wire

(4) LEGEND

Part n°	Description
A1P	Printed circuit board (main)
A3P	* Printed circuit board (demand)
BS1~3 (A1P)	Push-button switch
DS1 (A1~2P)	Dipswitch
E1~3 (A1P)	Connector
E1H	* Bottom plate heater
F1U (A1P)	Fuse T 31,5 A 250 V
F2U (A1P)	Fuse T 6,3 A 250 V
F3U (A1P)	Fuse T 6,3 A 250 V
F6U (A1P)	Fuse T 5 A 250V
F8~9U	* Fuse F 1 A 250 V
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay (Y1S)
K4R (A1P)	Magnetic relay (E1H)
K13~15R, K10R (A1P)	Magnetic relay
K11M (A1P)	Magnetic contactor
L (A1P)	Connector
M1C	Compressor motor
M1F	Fan motor
N (A1P)	Connector
PFC (A1P)	Power factor correction
PS (A1P)	Switching power supply

Part n°	Description
Q1DI	Earth leakage circuit breaker (30mA)
Q1E	Overload protection
R1T	Thermistor (air)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (liquid)
R7T	Thermistor (fin)
R8 (A1P)	Resistor
S1PH	High pressure switch
S1PL	Low pressure switch
SEG1~3 (A1P)	7-segment display
TC1 (A1P)	Signal transceiver circuit
U, V, W (A1P)	Connector
V1D (A1P)	Diode
V*R (A1P)	Diode module
X*A (A1P)	Connector
X1M	Terminal strip
Y1E, Y3E	Electronic expansion valve
Y1S	Solenoid valve (4-way valve)
Z*C	Noise filter (ferrite core)
Z*F (A1P)	Noise filter

* : optional
: field supply

NOTES

- Refer to the wiring diagram sticker (on the back of the front plate) for how to use the BS1~BS3 and DS1 switches.
- When operating, do not short-circuit protection device(s) S1PH, S1PL and Q1E.
- Refer to the combination table and the option manual for how to connect the wiring to X28A and X801M.
- Colours: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green
- Windings: L-N: 2 - Earth: 1

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