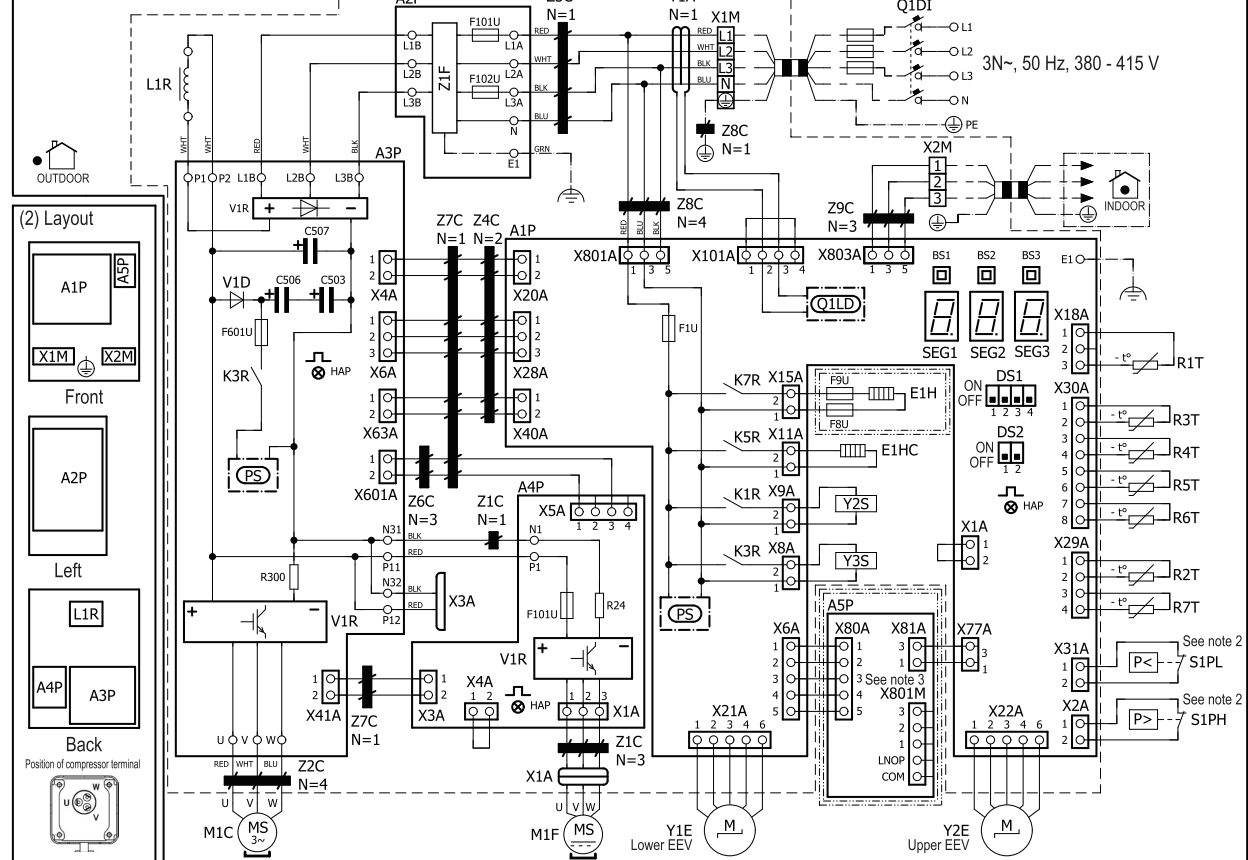


10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

RZA-D

(1) Connection diagram



(3) NOTES

- : Connection
- X1M : Main terminal
- : Earth wiring
- : Field supply
- [] : Option
- [] : switch box
- [] : PCB
- [] : Wiring depending on model
- [] : Protective earth
- [] : Field wire

(4) LEGEND

Part n°	Description
A1P	Printed circuit board (main)
A2P	Printed circuit board (noise filter)
A3P	Printed circuit board (inverter)
A4P	Printed circuit board (fan)
A5P	* Printed circuit board (demand)
BS1-BS3 (A1P)	Push-button switch
C503, C506, C507 (A3P)	Capacitor
DS1, DS2 (A1P)	Dipswitch
E1H	* Bottomplate heater
E1HC	Crankcase heater
F1U (A1P)	Fuse (T 3,15 A 250 V)
F8U, F9U	* Fuse (F)
F101U (A4P)	Fuse
F101~102U (A2P)	Fuse
F601U (A3P)	Fuse
HAP (A1P,A3~4P)	LED (service monitor is green)
K1R (A1P)	Magnetic relay (Y2S)
K3R (A3P)	Magnetic relay
K3R (A1P)	Magnetic relay (Y3S)
K5R (A1P)	Magnetic relay (E1HC)
K7R (A1P)	Magnetic relay (E1H)
L1R	Reactor
M1C	Compressor motor
M1F	Fan motor
PS (A1P,A3P)	Switching power supply

Part n°	Description
Q1DI	Earth leakage circuit breaker
Q1LD (A1P)	Earth current detector
R1T	Thermistor (air)
R2T	Thermistor (discharge pipe)
R3T	Thermistor (suction pipe)
R4T	Thermistor (heat exchanger exit)
R5T	Thermistor (heat exchanger branch)
R6T	Thermistor (liquid pipe)
R7T	Thermistor (M1C body)
R24 (A4P)	Resistor (current sensor)
R300 (A3P)	Resistor (current sensor)
S1PH	High pressure switch
S1PL	Low pressure switch
SEG1~SEG3 (A1P)	7-segment display
T1A	current sensor
V1D (A3P)	Diode
V1R (A3P,A4P)	Diode module
X*A	Connector
X*M	Terminal block
Y1E	Electronic exp. valve (main)
Y2E	Electronic exp. valve (injection)
Y2S	Solenoid valve (4-way valve)
Y3S	Solenoid valve (pressure equal.)
Z*C	Noise filter (ferrite core)
Z1F (A2P)	Noise filter

* : optional

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 and S1PL.
- Refer to the combination table and the option manual for how to connect the wiring to X801M.
- Colours: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green

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