

LEGEND



Translation can be found in the installation manual.

Part n°		Description
A1P		main PCB
A2P		current loop PCB
A3P	*	On/OFF thermostat (PC=power circuit)
A4P	*	extension PCB(control, optional)
A5P		user interface PCB
A7P	*	receiver PCB (wireless On/OFF thermostat)
B1L		flow sensor
C110~C112 (PCB2)		capacitor
DB1~401 (PCB2-3)		rectifier bridge
DS1 (A4P)	*	dipswitch
E1H		BUH element (1 kW)
E2H		BUH element (2 kW)
E3H		BUH element
F1B	*	overcurrent fuse BUH
F1T, F2T	*	thermal fuse backup heater
F1U		fuse T 5 A 500 V
F1U		fuse T 5 A 500 V BUH option
F1U (A4P)		fuse T 2 A 250 V
F2U (A4P)		fuse T 2 A 250 V for 3 way valve
FU1 (A1P)		fuse T 6,3 A 250 V
FU1 (PCB1)		fuse T 3,15 A H 250 V
FU2 (PCB2)		fuse T 3,15 A H 250 V
FU3 (PCB1)		fuse 30 A 250 V
IPM1 (PCB2)		intelligent power module
K1A		relay for heating
K1M	*	contactor BUH (step 1)
K1R	*	relay backup heater (step 1)
K2A		relay for cooling

Part n°		Description
K2M	*	contactor BUH (step 2)
K2R	*	relay backup heater (step 2)
K5M	*	safety contactor BUH (only *9W)
K*R (A1P)		relay on PCB
LED 1~4 (PCB3)		indication lamps
LED A~B (PCB2-3)		pilot lamp
M1C		compressor motor
M1F		fan motor
M1P		main supply pump
M2S	#	Shut-OFF Valve
M4S	*	Valve Kit
MRM*, MR30, MR4, MR306~307 (PCB1-2)		magnetic relay
PC (A7P)		Power Circuit
PCB1		main PCB
PCB2		inverter PCB
PCB3		service PCB
Q1L	*	thermal protector backup heater
Q1L (PCB1)		overload protector
Q*DI	#	earth leakage circuit breaker
R1H (A3P)	*	humidity sensor
R1T (A1P)		outlet water heat exchanger thermistor
R1T (A3P)	*	ambient sensor On/OFF thermostat
R1T (A5P)		ambient sensor user interface
R1T (PCB1)		thermistor (discharge)
R2T	*	outlet backup heater thermistor
R2T (A3P)	*	external sensor (floor or ambient)
R2T (PCB1)		thermistor (heat exchange)

Part n°		Description
R3T (A1P)		refrigerant liquid side thermistor
R3T (PCB1)		thermistor (air)
R4T (A1P)		inlet water thermistor
R6T (A1P)	*	ext. outdoor ambient thermistor
R6T (A4P)	*	ext. indoor ambient thermistor
S1L		flow switch
S1NPH		pressure sensor
S1PH		pressure switch (high)
S1S	#	preferential kWh rate PS contact
S1~4P	#	digital power limitation input 1~4
S2~S503 (PCB1-2-3)		connector
S5P-S6P	#	electrical meters
SA1 (PCB1)		surge arrester
SW1, SW3 (PCB3)		push buttons
SW2, SW3 (PCB3)		dip switches
TR1		power supply transformer
V2, V3, V401 (PCB1)		varistor
X*M		terminal strip
Y1E		electronic expansion valve coil
Y1R		reversing solenoid valve coil
Z1C~Z4C		ferrite core
MR30_A~B, DP1~2, E1~2, DC_P*, DC_N* HN402, HL402, HL1~2, HN1~2 U, V, W, X*A, X*B, X*Y (PCB1-2-3)		connector

* : optional

: field supply