

LEGEND

* : optional

: field supply

Part n°	Description	Part n°	Description	Part n°	Description
A1P	: main PCB	K*R	: relay on PCB	PCB3	: service PCB
A2P	: current loop PCB	M1P	: main supply pump	Z1C-Z4C	: ferrite core
A3P	* : On/OFF thermostat (PC=power circuit)	M2P	# : DHW pump	Y1E	: electronic expansion valve coil
A3P	* : heat pump convactor	M2S	# : Shut-OFF Valve	V2, V3, V401	: varistor
A4P	* : extension PCB(control, optional)	M3S	: 3 way valve for domestic hot water	SA1	: surge arrester
A5P	: user interface PCB	M4S	* : Valve Kit	FU1, FU3(PCB1)	: fuse
A7P	* : receiver PCB (wireless On/OFF thermostat)	Q*DI	# : earth leakage circuit breaker	S1NPH	: pressure sensor
B1L	: flow sensor	Q1L	* : thermal protector backup heater	S1PH	: pressure switch (high)
DS1(A4P)	* : dipswitch	Q2L/Q3L	* : thermal protector booster heater	R1T(PCB1)	: thermistor (discharge)
E1H	: BUH element (1 kW)	R1T (A1P)	: outlet water heat exchanger thermistor	R2T(PCB1)	: thermistor (heat exchange)
E2H	: BUH element (2 kW)	R1T (A5P)	: ambient sensor user interface	R3T(PCB1)	: thermistor (air)
E3H	: BUH element	R1T (A3P)	* : ambient sensor On/OFF thermostat	S2-S503	: connector
E4H	: booster heater (3 kW)	R2T	* : outlet backup heater thermistor	LED A, LED B	: pilot lamp
E6H	: PHE heater tape	R2T (A3P)	* : external sensor (floor or ambient)	IPM1	: intelligent power module
E7H	: expansion vessel heater	R3T (A1P)	: refrigerant liquid side thermistor	SW1, SW3	: push buttons
F1B	* : overcurrent fuse BUH	R4T (A1P)	: inlet water thermistor	SW2, SW5	: dip switches
F2B	* : overcurrent fuse booster heater	R5T	* : domestic hot water thermistor	C110-C112	: capacitor
F1T, F2T	* : thermal fuse backup heater	R6T (A1P)	* : external outdoor ambient thermistor	LED 1-4	: indication lamps
FU1 (A1P)	: fuse T 6,3 A 250 V	R6T (A4P)	* : external indoor ambient thermistor	Q1L(PCB1)	: overload protector
FU2 (A1P)	: fuse T 6,3 A 250 V	R1H (A3P)	* : humidity sensor	DB1, DB2, DB401	: rectifier bridge
F1U (A4P)	: fuse T 2 A 250 V	S1L	: flow switch	Y1R	: reversing solenoid valve coil
F2U (A4P)	: fuse T 2 A 250 V for 3 way valve	S1S	# : preferential kWh rate PS contact	SHEET METAL	: terminal strip fixed plate
K1	* : terminal strip	S1P	# : digital power limitation input 1	MRM*, MR30, MR4, MR306, MR307	: magnetic relay
K1A	: relay for heating	S2P	# : digital power limitation input 2	MR30_A, DP1, E1, MR30_B, DP2, E2, DC_P*, DC_N*, HN402, HL402, DCP1, DCP2, DCM 1, DCM2	: connector
K1M	* : contactor BUH (step 1)	S3P	# : digital power limitation input 3	FU2(PCB2)	: fuse
K1R	* : relay backup heater (step 1)	S4P	# : digital power limitation input 4	M1C	: compressor motor
K2	* : booster heater	S5P-S6P	# : electrical meters	M1F	: fan motor
K2A	: relay for cooling	TR1	: power supply transformer	STB	* : thermal protector booster heater
K2M	* : contactor BUH (step 2)	X*M	: terminal strip		
K2R	* : relay backup heater (step 2)	X*Y	: connector		
K3M	* : contactor BSH	PCB1	: main PCB		
K5M	* : safety contactor BUH (only *9W)	PCB2	: inverter PCB		