LEGEND

* : optional
# : field supply

Part n°		: Description
A1P		: main PCB
A2P		: current loop PCB
A3P	*	: On/OFF thermostat (PC=power circuit)
A3P	*	: heat pump convector
A4P	*	: extension PCB(control, optional)
A5P		: user interface PCB
A7P	*	: receiver PCB (wireless On/OFF thermostat)
B1L		: flow sensor
DS1(A4P)	*	: dipswitch
E1H		: BUH element (1 kW)
E2H		: BUH element (2 kW)
E3H		: BUH element
E4H		: booster heater (3 kW)
E6H		: PHE heater tape
E7H		: expansion vessel heater
F1B	*	: overcurrent fuse BUH
F2B	*	: overcurrent fuse booster heater
F1T, F2T	*	: thermal fuse backup heater
FU1 (A1P)		: fuse T 6,3 A 250 V
FU2 (A1P)		: fuse T 6,3 A 250 V
F1U (A4P)		: fuse T 2 A 250 V
F2U (A4P)		: fuse T 2 A 250 V for 3 way valve
K1	*	: terminal strip
K1A		: relay for heating
K1M	*	: contactor BUH (step 1)
K1R	*	: relay backup heater (step 1)
K2	*	: booster heater
K2A		: relay for cooling
K2M	*	: contactor BUH (step 2)
K2R	*	: relay backup heater (step 2)
K3M	*	: contactor BSH
K5M	*	: safety contactor BUH (only *9W)

Part n°		: Description
K*R		: relay on PCB
M1P		: main supply pump
M2P	#	: DHW pump
M2S	#	: Shut-OFF Valve
M3S		: 3 way valve for domestic hot water
M4S	*	: Valve Kit
Q*DI	#	: earth leakage circuit breaker
Q1L	*	: thermal protector backup heater
Q2L/Q3L	*	: thermal protector booster heater
R1T (A1P)		: outlet water heat exchanger thermistor
R1T (A5P)		: ambient sensor user interface
R1T (A3P)	*	: ambient sensor On/OFF thermostat
R2T	*	: outlet backup heater thermistor
R2T (A3P)	*	: external sensor (floor or ambient)
R3T (A1P)		: refrigerant liquid side thermistor
R4T (A1P)		: inlet water thermistor
R5T	*	: domestic hot water thermistor
R6T (A1P)	*	: external outdoor ambient thermistor
R6T (A4P)	*	: external indoor ambient thermistor
R1H (A3P)	*	: humidity sensor
S1L		: flow switch
S1S	#	: preferential kWh rate PS contact
S1P	#	: digital power limitation input 1
S2P	#	: digital power limitation input 2
S3P	#	: digital power limitation input 3
S4P	#	: digital power limitation input 4
S5P-S6P	#	: electrical meters
TR1		: power supply transformer
X*M		: terminal strip
X*Y		: connector
PCB1		: main PCB
PCB2		: inverter PCB

Part n°		: Description
PCB3		: service PCB
Z1C~Z4C		: ferrite core
Y1E		: electronic expansion valve coil
V2, V3, V401		: varistor
SA1		: surge arrestor
FU1, FU3(PCB1)		: fuse
S1NPH		: pressure sensor
S1PH		: pressure switch (high)
R1T(PCB1)		: thermistor (discharge)
R2T(PCB1)		: thermistor (heat exchange)
R3T(PCB1)		: thermistor (air)
S2~S503		: connector
LED A, LED B		: pilot lamp
IPM1		: intelligent power module
SW1, SW3		: push buttons
SW2, SW5		: dip switches
C110~C112		: capacitor
LED 1~4		: indication lamps
Q1L(PCB1)		: overload protector
DB1, DB2, DB401		: rectifier bridge
Y1R		: reversing solenoid valve coil
SHEET METAL		: terminal strip fixed plate
MRM*, MR30, MR4, MR306, MR307		: magnetic relay
MR30_A, DP1, E1, MR30_B, DP2, E2, DC_P*, DC_N*, HN402, HL402, DCP1, DCP2, DCM 1, DCM2		: connector
FU2(PCB2)		: fuse
M1C		: compressor motor
M1F		: fan motor
STB	*	: thermal protector booster heater