

LEGEND

* : Optional			
# : Field supply			
A1P	: Main PCB	M1P	: Main supply pump
A2P	: Current loop PCB	M2P	# : Domestic hot water pump
A3P	* : ON/OFF thermostat (PC=Power circuit)	M2S	# : Shut off valve
A3P	* : Heat pump convactor	M3S	# : 3 way valve for domestic hot water
A4P	* : Extension PCB (Control, Optional)	M4S	* : Valve kit
A5P	: User interface PCB	Q*DI	# : Earth leakage circuit breaker
A7P	* : Receiver PCB (wireless ON/OFF thermostat)	Q1L	* : Thermal protector backup heater
B1L	: Flow sensor	Q2L/Q3L	* : Thermal protector booster heater
DS1(A4P)	* : Dipswitch	R1T (A1P)	: Outlet water heat exchanger thermistor
E1H	: Backup heater element (1 kW)	R1T (A5P)	* : Ambient sensor user interface
E2H	: Backup heater element (2 kW)	R1T (A3P)	* : Ambient sensor ON/OFF thermostat
E3H	: Backup heater element	R2T	* : Outlet backup heater thermistor
E4H	: Booster heater(3 kW)	R2T (A3P)	* : External sensor (floor or ambient)
E6H	: PHE heater tape	R3T (A1P)	* : Refrigerant liquid side thermistor
E7H	: Expansion vessel heater	R4T (A1P)	: Inlet water thermistor
F1B	* : Overcurrent fuse backup heater	R5T	* : Domestic hot water thermistor
F2B	* : Overcurrent fuse booster heater	R6T (A1P)	* : external outdoor ambient thermistor
F1T,F2T	* : Thermal fuse backup heater	R6T (A4P)	* : External indoor ambient thermistor
FU1 (A1P)	: Fuse T 6,3A 250 V	R1H (A3P)	* : Humidity sensor
FU2 (A1P)	: Fuse T 6,3A 250 V	S1L	: Flow switch
FU1 (A4P)	: Fuse T 2A 250 V	S1S	# : Preferential kWh rate power supply contact
F2U (A4P)	: Fuse T 2A 250 V for 3 way valve	S1P	# : digital power limitation input 1
K1	* : Terminal strip	S2P	# : digital power limitation input 2
K1A	: relay for heating	S3P	# : digital power limitation input 3
K1M	* : Contactor backup heater (Step 1)	S4P	# : digital power limitation input 4
K1R	* : relay backup heater (Step 1)	S5P-S6P	# : electrical meters
K2	* : Booster heater	TR1	: Power supply transformer
K2A	: relay for cooling	X*M	: Terminal strip
K2M	* : Contactor backup heater (Step 2)	X*Y	: Connector
K2R	* : relay backup heater (Step 2)	PCB1	: Main PCB
K3M	* : contactor BSH	PCB2	: inverter PCB
K5M	* : Safety contactor BUH (only *9W)	PCB3	: service PCB
K*R	: Relay on PCB		
		Z1C-Z4C	: Ferrite core
		Y1E	: Electronic expansion valve coil
		V2, V3, V401	: Varistor
		SA1	: Surge arrester
		FU1,FU3(PCB1)	: Fuse
		S1NPH	: Pressure sensor
		S1PH	: Pressure switch (high)
		R1T(PCB1)	: Thermistor (Discharge)
		R2T(PCB1)	: Thermistor (heat exchanger)
		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,	
		DPC1, DCP2	
		DCM1, DCM2	: Connector
		FU2 (PCB2)	: Fuse
		M1C	: Compressor motor
		M1F	: Fan motor
		STB	* : Thermal protector booster heater