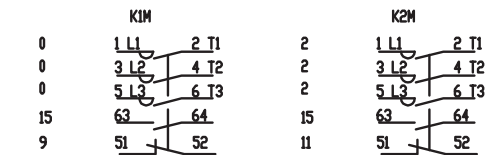


EWWQ-KBW1N

	Not standard included	
	Not possible as option	Poss. as option
Obligatory	#	##
Not obligatory	※	※※

Y3R	※	Reverse valve of water circuit
Y1S, Y2S		Liquid solenoid valve circuit 1, circuit 2
X1-82 (A/B/M)		Connectors
TR2		Transfo 230V → 24V for supply of I/O PCB
TR1		Transfo 230V → 24V for supply of controller PCB
S12M		Main isolator switch
S10L		Flowswitch
S9S	※	Switch for remote start/stop or dual setpoint
S7S	※	Switch for remote cooling/heating selection or dual setpoint
S4LP, S5LP		Low pressure switch circuit 1, circuit 2
S1HP, S2HP		High pressure switch circuit 1, circuit 2
R5T		Condensor inlet water temperature sensor
R4T		Evaporator outlet water temperature sensor
R3T		Evaporator inlet water temperature sensor
Q1D, Q2D		Discharge thermal protector circuit 1, circuit 2
PE		Main earth terminal
M1C, M2C		Compressor motor circuit 1, circuit 2
K1P	※	Pump contactor
K1F, K2F	#	Fan contactor
K6S	※	Overcurrent relay pump
K4S, K5S		Overcurrent relay circuit 1, circuit 2
K1M, K2M		Compressor contactor circuit 1, circuit 2
H6P	※	Indication lamp general operation
H5P	※	Indication lamp operation ceompressor 2
H4P	※	Indication lamp operation ceompressor 1
H3P	※	Indication lamp alarm
F3U		Fuse controller PCB
F1U		Fuse I/O PCB
F6	#	Fuse for pumpcontactor
F5	##	Surge proof fuse
F4		Fuse I/O PCB
F1, F2, F3	#	Main fuses for the unit
E1H, E2H		Crankcase heater circuit 1, circuit 2
A72P	※※	PCB: power supply card
A71P	※※	PCB: remote user interface
A3P	※※	PCB: address card
A2P		PCB: I/O PCB
A1P		PCB: controller PCB

	All models (400V)				
Fuses + overcurrent	WC 014 RC 014	WC 025 RC 025	WC 033 RC 033	WC 049 RC 049	WC 064 RC 064
F1, F2, F3 (= gL/gG)	3x16A	3x20A	3x25A	3x40A	3x50A
F4	8A	8A	8A	8A	8A
F5	250mAT	250mAT	250mAT	250mAT	250mAT
F1U	5A	5A	5A	5A	5A
F3U	315mAT	315mAT	315mAT	315mAT	315mAT
K4S	10A	17A	22A	17A	22A
K5S	--	--	--	17A	22A



A2P	A1P
Digital inputs DI1 Reverse phase detection (L1-N) DI2 Reverse phase detection (N-L3) DI3 M1C ON detection DI4 M2C ON detection DI5 Safety device detection DI6 Pump ON detection DI7 -- DI8 -- DI9 -- DI10 Reverse valve request	Digital inputs X1 (ID1-GND) Flow switch X1 (ID2-GND) Remote C/H selection X1 (ID3-GND) High pressure switch + discharge protector + overcurrent X1 (ID4-GND) Low pressure switch X1 (ID5-GND) Remote On/Off
Digital outputs (relays) RY1 Reversed phase protector RY3 Pump/general operation RY9 M1C off (during defrost) RY10 M2C off (during defrost) RY27 reversing valve of water circuit	Digital inputs X2 (C1/2-NO1) Compressor M1C on X2 (C1/2-NO2) Compressor M2C on X2 (C3/4-NO3) Voltage free contact for pump X2 (C3/4-NO4) Reversing valve X2 (C5-NO5) Alarm voltage free contact
Ohters HAP Light emitting diode (service monitor green) H1P, H2P Light emitting diode (service monitor red)	Analog inputs X1 (B1-GND) Evap inlet water t° X1 (B2-GND) Evap outlet water t° X1 (B3-GND) Cond inlet water t°
S1A Dipswitch (unit setting) S2A Dipswitch (defr. & fan setting)	Analog inputs X1 (Y-GND)

NOTES

1. : terminal 1
2. : wire 2
3. : field wiring to be in accordance with the local electrical regulations
4. : earth wiring



7. : Outside switchbox
8. If compressor rotates reversely, it may be damaged
9. WC: Watercooled chiller
RC: Unite with remote condenser

- Optional
- ☐ EKAC10C = addres card kit for Modbus or remote user interface connection
- ☐ EKSS = sofstart
- ☐ EKRUACA = remote user interface

10. Terminals for fieldwiring
- X1M: H3-6P, Y3r, K1-2F: Output terminal for fieldwiring
(voltage free contact max 2A/Output)
- X3M: S7S, S9S: Input terminal for fieldwiring (don't correct voltage)
(switch load 6mA / 30 DC)

11. Y3R is activated in cooling mode
- S7S open : heating
- S7S closed: cooling
- Defrost temp S2A
- Unit S1A

12. Dipswitch setting
- S2A dipswitch Defrost & fan setting
- no meaning for WC CO & WC CL CO

