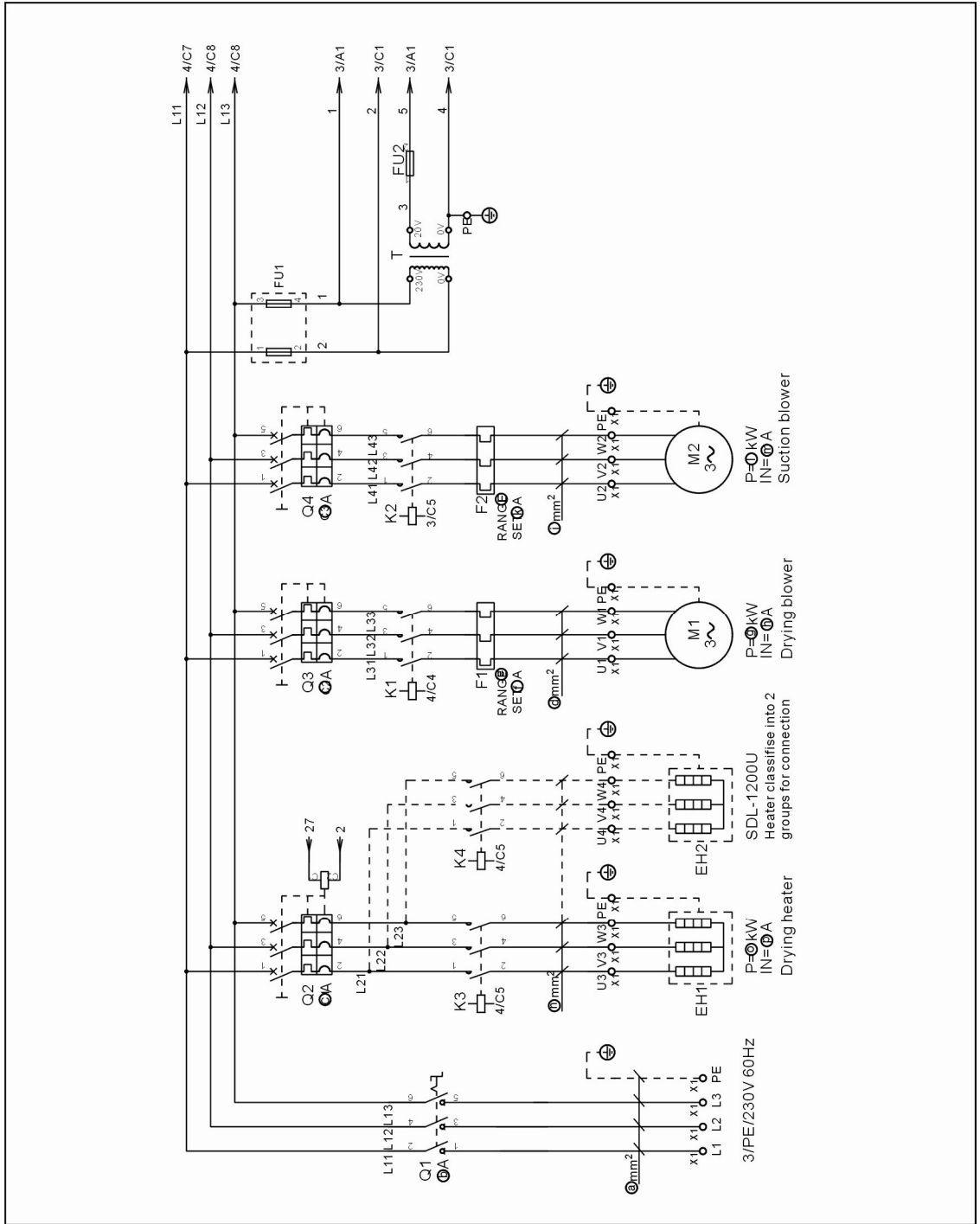


1. Electrical Circuit (SDL-300U~1200U 230V)

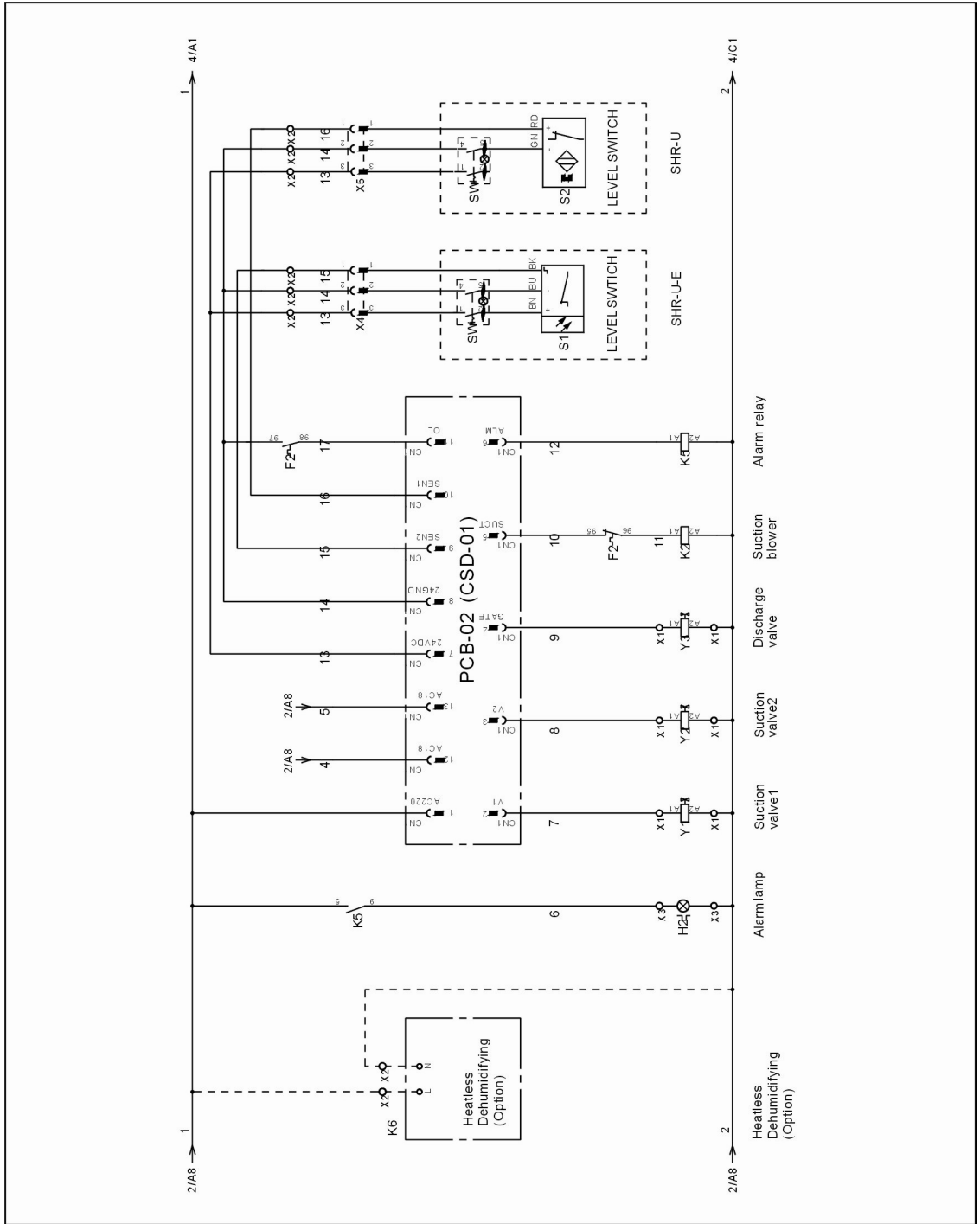
MODE \ SYMBOL	(a)	(b)	(c)	(c2)	(c3)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
SDL-20U	4.0	25	10	6	16	1.5	0.28-0.4	0.33	0.05	0.3	1.5	5.5-8	7.0	1.5	6.3	2.5	2.2	5.5
SDL-40U	4.0	25	10	6	16	1.5	0.7-1	0.8	0.12	0.75	1.5	5.5-8	7.0	1.5	6.3	2.5	3.0	7.5
SDL-80U	4.0	25	16	6	16	1.5	0.7-1	0.8	0.12	0.75	1.5	5.5-8	7.0	1.5	6.3	2.5	3.9	9.8
SDL-120U	4.0	25	16	6	16	1.5	0.7-1	0.8	0.12	0.75	1.5	5.5-8	7.0	1.5	6.3	2.5	3.9	9.8
SDL-160U	4.0	25	20	6	16	1.5	0.7-1	0.8	0.12	0.75	1.5	5.5-8	7.0	1.5	6.3	2.5	6.0	15
SDL-230U	6.0	25	20	6	16	1.5	0.7-1	0.8	0.12	0.75	1.5	5.5-8	7.0	1.5	6.3	2.5	6.0	15
SDL-300U	10	63	40	6	16	1.5	1.1-1.6	1.3	0.18	1.1	1.5	5.5-8	7.0	1.5	6.3	6.0	12.0	30
SDL-450U	10	63	40	6	16	1.5	1.1-1.6	1.3	0.18	1.1	1.5	5.5-8	7.0	1.5	6.3	6.0	12.0	30
SDL-600U	16	60	60	6	16	1.5	2.2-3.2	2.5	0.55	2.3	1.5	5.5-8	7.0	1.5	6.3	16	18.0	45
SDL-750U	16	60	60	6	16	1.5	2.2-3.2	2.5	0.55	2.3	1.5	5.5-8	7.0	1.5	6.3	16	18.0	45
SDL-900U	25	90	80	6	20	1.5	2.2-3.2	2.5	0.55	2.3	2.5	9-12.5	11	2.4	10.2	16	18.0	45
SDL-1200U	25	90	80	10	20	1.5	3.5-5	4.5	1.1	4.2	2.5	9-12.5	11	2.4	10.2	6.0	12*2	30x2

- (a) Mainpower cable dia.
- (b) Main power switch
- (c1) Circuit breaker for heater
- (c2) Circuit breaker for blower
- (c3)
- (d) Drying blower cable dia.
- (e) Loader of drying blower
- (f) Setting of drying blower loader
- (g) Power of drying blower
- (h) Current of drying blower
- (i) Cable dia. of material loading blower
- (j) Loader of material loading blower
- (k) Setting of material loading blower loader
- (l) Power of material loading blower
- (m) Current of material loading blower
- (n) Heater cable dia.
- (o) Heater power
- (p) Heater current

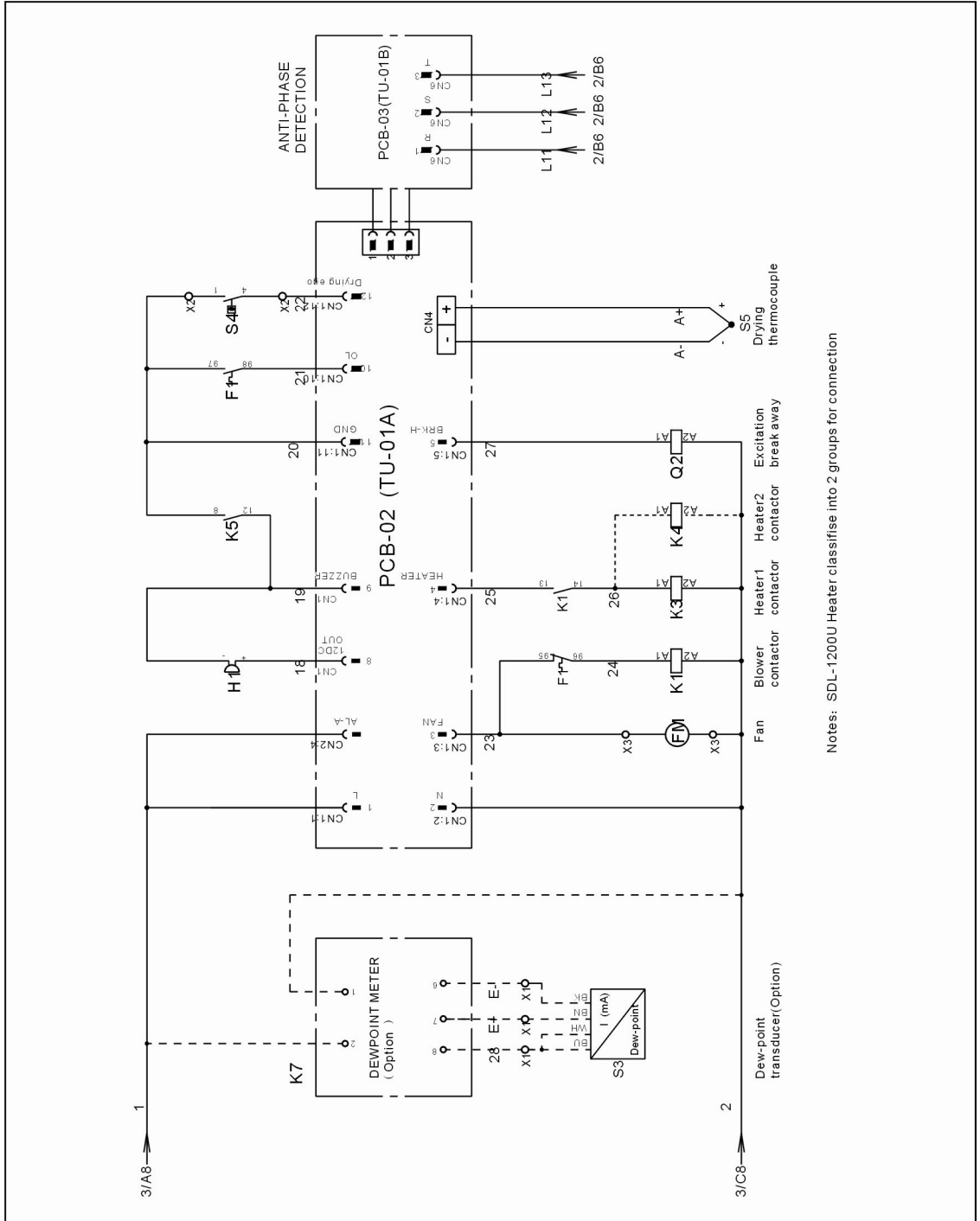
2. Main Circuit (SDL-300U~1200U 230V)



3. Control Circuit 1 (SDL-300U~1200U 230V)

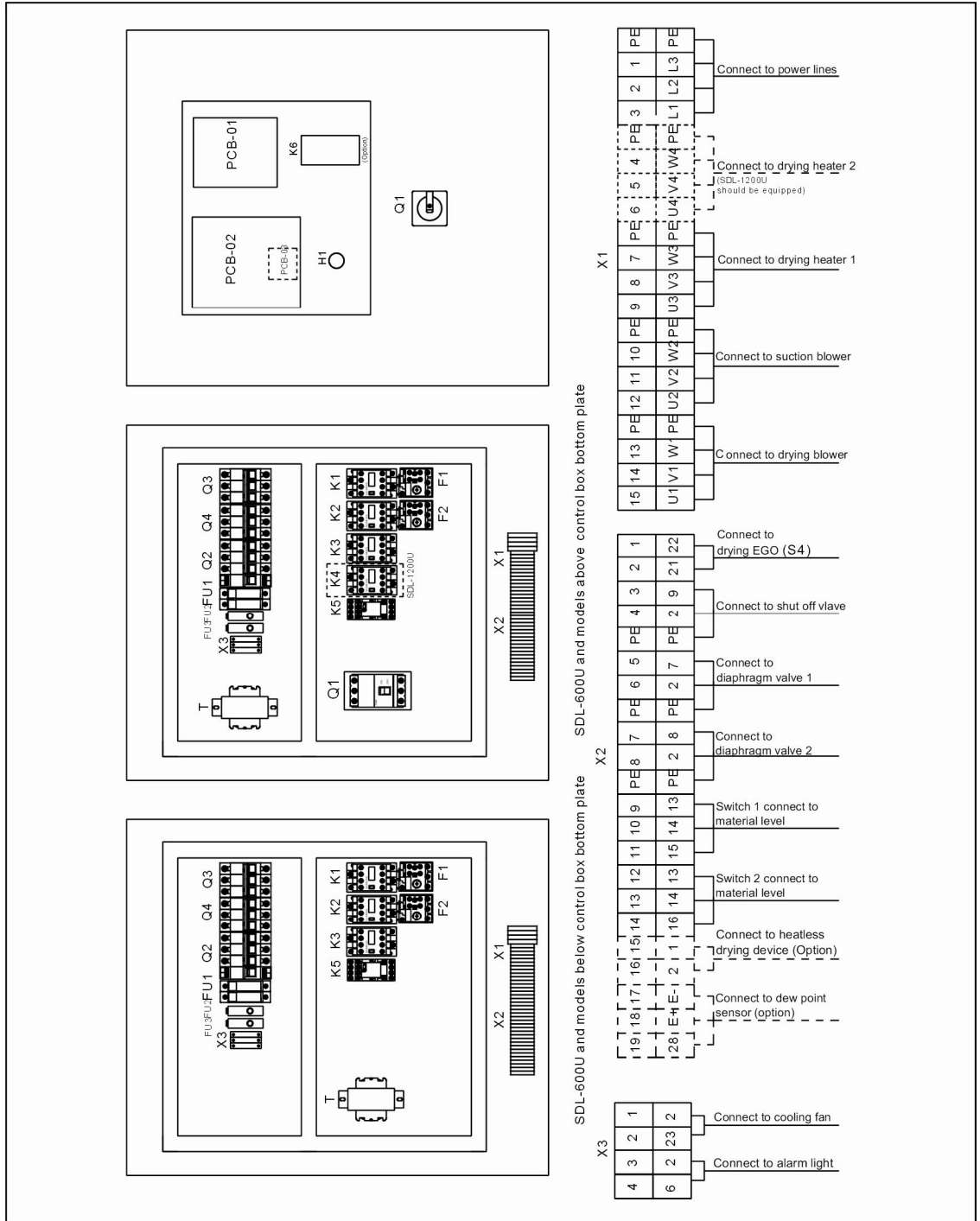


4. Control Circuit 2 (SDL-300U~1200U 230V)



Notes: SDL-1200U Heater classifies into 2 groups for connection

5. Electrical Components Layout (SDL-300U~1200U 230V)



6. Electrical Components List (SDL-300U/450U 230V)

NO.	Symbol	Name	SDL-300U/450U	
			Specification	Part NO.
1	Q1	Main switch	63A	YE10250400000
2	Q2	Circuit breaker*	40A	YE40604000000
3	-	Excitation break away	230VAC 50/60Hz	YE40023560000
4	Q3	Circuit breaker*	5A	YE40603000000
5	Q4	Circuit breaker*	15A	YE40601500000
6	K1	Contacto* ^r	220V 50/60Hz	YE00601521000
7	K2	Contacto* ^r	220V 50/60Hz	YE00601621000
8	K3	Contacto* ^r	220V 50/60Hz	YE00602822000
9	K5	Middle relay	230V 50/60Hz 12A	YE03270700000
10	K6	Heatless Dehumidifying	230V 50/60Hz	-
11	K7	Dew-point meter	230V 50/60Hz	YE85122000100
12	T	Transformer*	IN=230V OUT=230/20V 500mA	YE70202300400
13	F1	Overload relay*	1.1~1.6A	YE01160110000
14	F2	Overload relay*	5.5~8A	YE01160550000
15	FU1	Fuse box**	2P	YE41032200000
16	-	Fuse core	2A	YE46002000000
17	FU2	Fuse**	-	YE46002000000
18	-	Fuse core	0.5A	YE46630500000
19	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
20	S4	Overheat protector*	115-320°	BH90115000150
21	S5	Thermocouple	K	BE90802000050
22	PCB-01	PCB*	V1.1 18VAC	YE80101100000
23	PCB-02	PCB*	230VAC 50/60Hz	YE80001100000
24	PCB-03	PCB*	-	YE80001100100
25	H1	Buzzer	3-24VDC	YE84002700000
26	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
27	FM	Fan	230VAC 40W	YM60121200400
28	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300
29	M1	Blower*	230V 50/60Hz 0.18kW	-
30	M2	Blower*	230V 50/60Hz 1.5kW	-
31	EH1	Heater**	230V 50/60Hz 12kW	-
32	X1	Terminal board	-	YE61250040000
33	-	-	-	YE61253500000
34	-	-	-	YE61060000000
35	-	-	-	YE61063500000
36	-	-	-	YE61100000000

37	-	-	-	YE61103500000
38	X2	Terminal board	-	YE61250040000
39	-	-	-	YE61253500000
40	-	-	-	YE61250040000
41	-	-	-	YE61250040000
42	X3	Terminal board	-	YE61250040000
43	X4 X5	Heavy duty connector	4P 10A	YE68041000100

* means possible broken parts. ** means easy broken part. and spare backup is suggested.

Please confirm the version of manual before placing the purchase order to guarantee that the item number of the spare part is in accordance with the real object.

7. Electrical Components List (SDL-600U/750U 230V)

NO.	Symbol	Name	SDL-600U/750U	
			Specification	Part NO.
1	Q1	Main switch	60A	YE41106200000
2	Q2	Circuit breaker*	60A	YE40606000000
3	-	Excitation break away	230VAC 50/60Hz	YE40023560000
4	Q3	Circuit breaker*	5A	YE40603000000
5	Q4	Circuit breaker*	15A	YE40601500000
6	K1	Contactor*	220V 50/60Hz	YE00601521000
7	K2	Contactor*	220V 50/60Hz	YE00601621000
8	K3	Contactor*	220V 50/60Hz	YE00504400000
9	K5	Middle relay	230V 50/60Hz 12A	YE03270700000
10	K6	Heatless Dehumidifying	230V 50/60Hz	-
11	K7	Dew-point meter	230V 50/60Hz	YE85122000100
12	T	Transformer*	IN=230V OUT=230/20V 500mA	YE70202300400
13	F1	Overload relay*	2.2-3.2A	YE01160220000
14	F2	Overload relay*	5.5~8A	YE01160550000
15	FU1	Fuse box**	2P	YE41032200000
16	-	Fuse core	2A	YE46002000000
17	FU2	Fuse**	-	YE46002000000
18	-	Fuse core	0.5A	YE46630500000
19	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
20	S4	Overheat protector*	115-320°	BH90115000150
21	S5	Thermocouple	K	BE90802000050
22	PCB-01	PCB*	V1.1 18VAC	YE80101100000
23	PCB-02	PCB*	230VAC 50/60Hz	YE80001100000
24	PCB-03	PCB*	-	YE80001100100
25	H1	Buzzer	3-24VDC	YE84002700000
26	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
27	FM	Fan	230VAC 40W	YM60121200400
28	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300
29	M1	Blower*	230V 50/60Hz 0.55kW	-
30	M2	Blower*	230V 50/60Hz 1.5kW	-
31	EH1	Heater**	230V 50/60Hz 18kW	-
32	X1	Terminal board	-	YE61250040000
33	-	-	-	YE61253500000
34	-	-	-	YE61160000000
35	-	-	-	YE61163500000
36	X2	Terminal board	-	YE61250040000

37	-	-	-	YE61253500000
38	-	-	-	YE61250040000
39	-	-	-	YE61250040000
40	X3	Terminal board	-	YE61250040000
41	X4 X5	Heavy duty connector	4P 10A	YE68041000100

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8. Electrical Components List (SDL-900U 230V)

NO.	Symbol	Name	SDL-900U	
			Specification	Part NO.
1	Q1	Main switch	90A	YE41109200000
2	Q2	Circuit breaker*	80A	YE40800300000
3	-	Excitation break away	230VAC 50/60Hz	YE40023560000
4	Q3	Circuit breaker*	5A	YE40603000000
5	Q4	Circuit breaker*	20A	YE40602000000
6	K1	Contactor*	220V 50/60Hz	YE00601521000
7	K2	Contactor*	220V 50/60Hz	YE00601721000
8	K3	Contactor*	220V 50/60Hz	YE00504400000
9	K5	Middle relay	230V 50/60Hz 12A	YE03270700000
10	K6	Heatless Dehumidifying	230V 50/60Hz	-
11	K7	Dew-point meter	230V 50/60Hz	YE85122000100
12	T	Transformer*	IN=230V OUT=230/20V 500mA	YE70202300400
13	F1	Overload relay*	2.2-3.2A	YE01160220000
14	F2	Overload relay*	9-12.5A	YE01169125000
15	FU1	Fuse box**	2P	YE41032200000
16	-	Fuse core	2A	YE46002000000
17	FU2	Fuse**	-	YE46002000000
18	-	Fuse core	0.5A	YE46630500000
19	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
20	S4	Overheat protector*	115-320°	BH90115000150
21	S5	Thermocouple	K	BE90802000050
22	PCB-01	PCB*	V1.1 18VAC	YE80101100000
23	PCB-02	PCB*	-	YE80001100000
24	PCB-03	PCB*	-	YE80001100100
25	H1	Buzzer	3-24VDC	YE84002700000
26	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
27	FM	Fan	230VAC 40W	YM60121200400
28	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300
29	M1	Blower*	230V 50/60Hz 0.55kW	-
30	M2	Blower*	230V 50/60Hz 2.4kW	-
31	EH1	Heater**	230V 50/60Hz 18kW	-
32	X1	Terminal board	-	YE61250040000
33	-	-	-	YE61253500000
34	-	-	-	YE61160000000
35	-	-	-	YE61163500000
36	-	-	-	YE61025000000

37	-	-	-	YE61025000100
38	X2	Terminal board	-	YE61250040000
39	-	-	-	YE61253500000
40	-	-	-	YE61250040000
41	-	-	-	YE61250040000
42	X3	Terminal board	-	YE61250040000
43	X4 X5	Heavy duty connector	4P 10A	YE68041000100

* means possible broken parts. ** means easy broken part. and spare backup is suggested.

Please confirm the version of manual before placing the purchase order to guarantee that the item number of the spare part is in accordance with the real object.

9. Electrical Components List (SDL-1200U 230V)

NO.	Symbol	Name	SDL-1200U	
			Specification	Part NO.
1	Q1	Main switch	90A	YE41109200000
2	Q2	Circuit breaker*	80A	YE40800300000
3	-	Excitation break away	230VAC 50/60Hz	YE40023560000
4	Q3	Circuit breaker*	10A	YE40600300000
5	Q4	Circuit breaker*	20A	YE40602000000
6	K1	Contactor*	220V 50/60Hz	YE00601521000
7	K2	Contactor*	220V 50/60Hz	YE00601721000
8	K3	Contactor*	220V 50/60Hz	YE00602822000
9	K5	Middle relay	230V 50/60Hz 12A	YE03270700000
10	K6	Heatless Dehumidifying	230V 50/60Hz	-
11	K7	Dew-point meter	230V 50/60Hz	YE85122000100
12	T	Transformer*	IN=230V OUT=230/20V 500mA	YE70202300400
13	F1	Overload relay*	3.5-5A	YE01160350000
14	F2	Overload relay*	9-12.5A	YE01169125000
15	FU1	Fuse box**	2P	YE41032200000
16	-	Fuse core	2A	YE46002000000
17	FU2	Fuse**	-	YE46002000000
18	-	Fuse core	0.5A	YE46630500000
19	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
20	S4	Overheat protector*	115-320°	BH90115000150
21	S5	Thermocouple	K	BE90802000050
22	PCB-01	PCB*	V1.1 18VAC	YE80101100000
23	PCB-02	PCB*	-	YE80001100000
24	PCB-03	PCB*	-	YE80001100100
25	H1	Buzzer	3-24VDC	YE84002700000
26	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
27	FM	Fan	230VAC 40W	YM60121200400
28	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300
29	M1	Blower*	230V 50/60Hz 0.55kW	-
30	M2	Blower*	230V 50/60Hz 2.4kW	-
31	EH1	Heater**	230V 50/60Hz 12kW	-
32	X1	Terminal board	-	YE61250040000
33	-	-	-	YE61253500000
34	-	-	-	YE61060000000
35	-	-	-	YE61063500000
36	-	-	-	YE61025000000

37	-	-	-	YE61025000100
38	X2	Terminal board	-	YE61250040000
39	-	-	-	YE61253500000
40	-	-	-	YE61250040000
41	-	-	-	YE61250040000
42	X3	Terminal board	-	YE61250040000
43	X4 X5	Heavy duty connector	4P 10A	YE68041000100

* means possible broken parts. ** means easy broken part. and spare backup is suggested.

Please confirm the version of manual before placing the purchase order to guarantee that the item number of the spare part is in accordance with the real object.