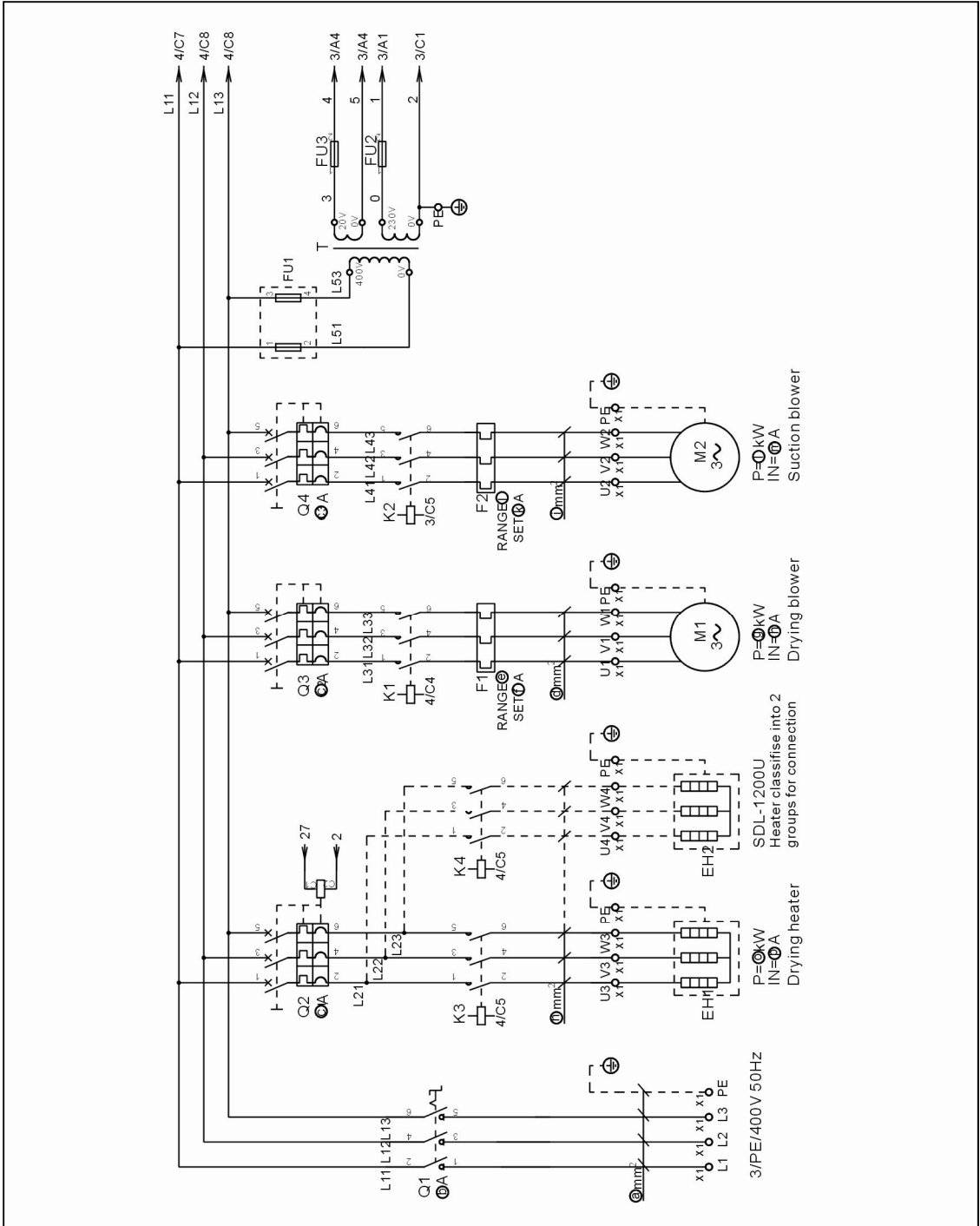


1. Electrical Circuit (SDL-300U~1200U 400V)

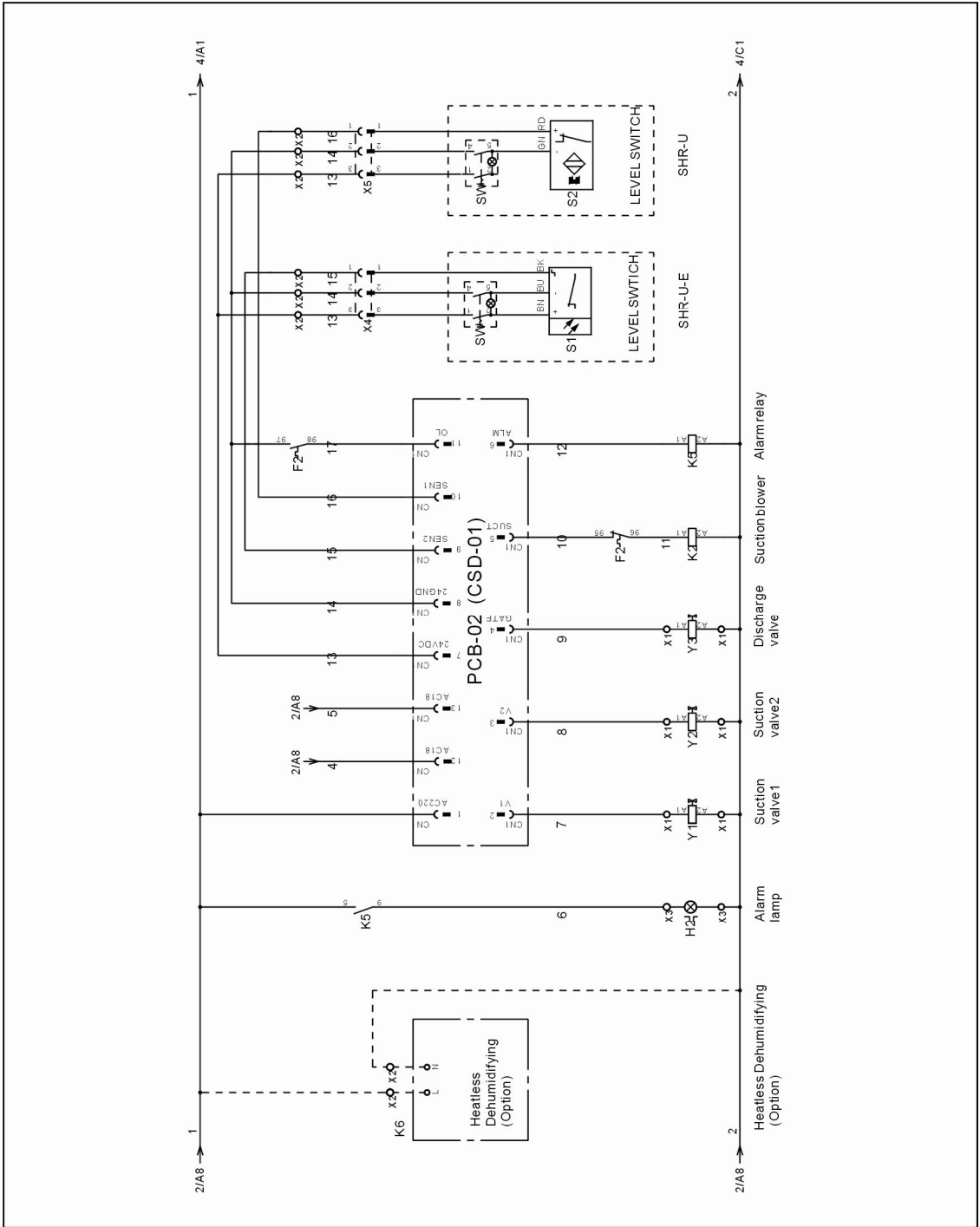
MODE \ SYMBOL	(a)	(b)	(c)	(c1)	(c2)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
SDL-20U	2.5	16	6	6	16	1.5	0.18-0.25	0.19	0.05	0.15	2.5	3.5-5	3.8	1.5	2.2	2.5	2.2	3.3
SDL-40U	2.5	16	6	6	16	1.5	0.28-0.4	0.38	0.12	0.33	2.5	3.5-5	3.8	1.5	2.2	2.5	3.0	4.5
SDL-80U	2.5	16	10	6	16	1.5	0.28-0.4	0.38	0.12	0.33	2.5	3.5-5	3.8	1.5	2.2	2.5	3.9	6.0
SDL-120U	2.5	16	10	6	16	1.5	0.28-0.4	0.38	0.12	0.33	2.5	3.5-5	3.8	1.5	2.2	2.5	3.9	6.0
SDL-160U	2.5	16	16	6	16	1.5	0.28-0.4	0.38	0.12	0.33	2.5	3.5-5	3.8	1.5	2.2	2.5	6.0	9.0
SDL-230U	2.5	25	16	6	16	1.5	0.28-0.4	0.38	0.12	0.33	2.5	3.5-5	3.8	1.5	3.7	2.5	6.0	9.0
SDL-300U	6.0	32	25	6	16	1.5	0.45-0.63	0.54	0.18	0.48	2.5	3.5-5	3.8	1.5	3.7	4.0	12.0	18.0
SDL-450U	6.0	32	25	6	16	1.5	0.45-0.63	0.54	0.18	0.48	2.5	3.5-5	3.8	1.5	3.7	4.0	12.0	18.0
SDL-600U	6.0	40	32	6	16	1.5	1.1-1.6	1.4	0.55	1.3	2.5	3.5-5	3.8	1.5	3.7	6.0	18.0	27.0
SDL-750U	6.0	40	32	6	16	1.5	1.1-1.6	1.4	0.55	1.3	2.5	3.5-5	3.8	1.5	3.7	6.0	18.0	27.0
SDL-900U	10.0	60	50	6	16	1.5	1.1-1.6	1.4	0.55	1.3	2.5	5.5-8	6.0	2.4	5.9	6.0	18.0	27.0
SDL-1200U	10.0	60	50	10	16	1.5	2.2-3.2	2.5	1.1	2.4	2.5	5.5-8	6.0	2.4	5.9	4.0	12.0*2	18.0x2

- | | |
|---------------------------------------|---|
| (a) Mainpower cable dia. | (b) Main power switch |
| (c1) Circuit breaker for heater | (c2) Circuit breaker for blower |
| (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 | |

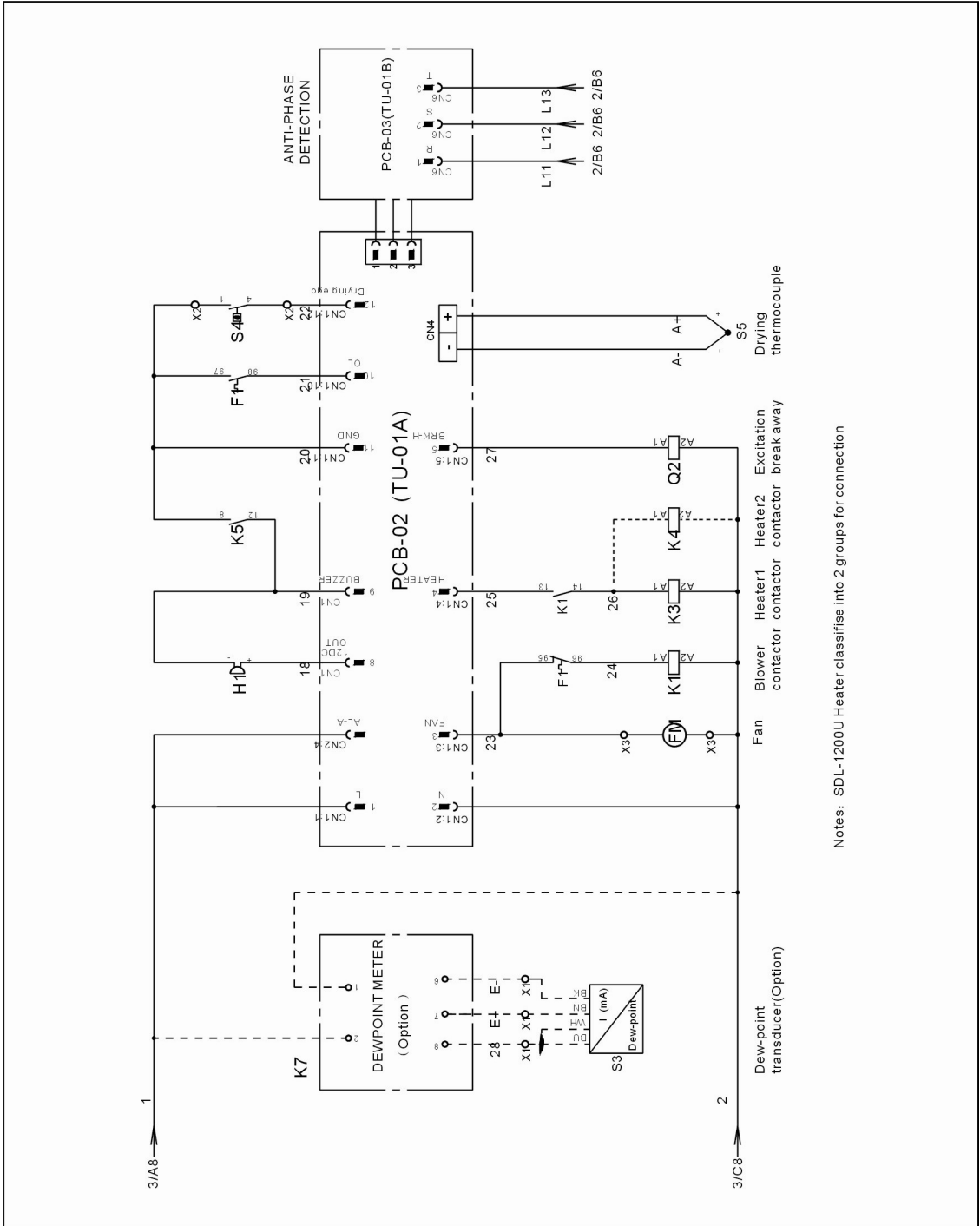
2. Main Circuit(SDL-300U~1200U 400V)



3. Control Circuit 1 (SDL-300U~1200U 400V)

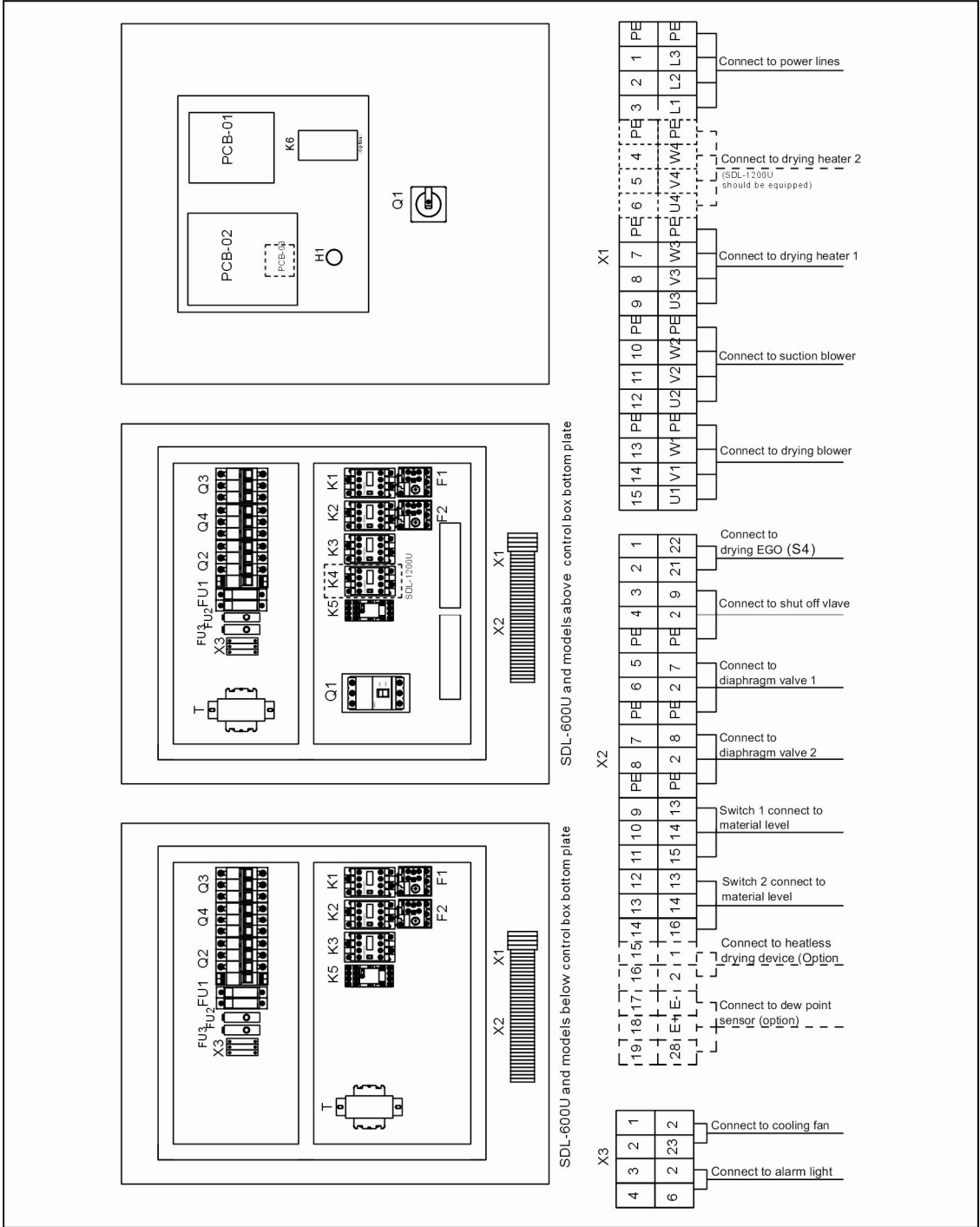


4. Control Circuit 2 (SDL-300U~1200U 400V)



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

5. Electrical Components Layout (SDL-300U~1200U 400V)



6. Electrical Components List (SDL-300U/450U 400V)

NO.	Symbol	Name	SDL-300U/450U	
			Specification	Part NO.
1	Q1	Main switch	32A	YE10220300000
2	Q2	Circuit breaker*	25A	YE40602500000
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	YE00601521000
8	K3	Contactor*	220V 50/60Hz	YE00602622000
9	K5	Relay	230V 50/60Hz	YE03270700000
10	K6	Heatless Dehumidifying	230V 50/60Hz	-
11	K7	Dew-point meter	230V 50/60Hz	YE85122000100
12	T	Transformer*	IN=400V OUT=230/20V 800mA	YE70402300600
13	F1	Overload relay*	0.45~0.63A	YE01161450000
14	F2	Overload relay*	3.5~5A	YE01160350000
15	FU1	Fuse box**	2P	YE41032200000
16	-	Fuse core	2A	YE46002000000
17	FU2	Fuse**	2A	YE46002000000
18	FU3	Fuse**	-	YE46002000000
19	-	Fuse core	0.5A	YE46630500000
20	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
21	S4	Overheat protector*	115-320°	BH90115000150
22	S5	Thermocouple	K	BE90802000050
23	PCB-01	PCB*	V1.1 18VAC	YE80101100000
24	PCB-02	PCB*	230VAC50/60Hz	YE80001100000
25	PCB-03	PCB*	-	YE80001100100
26	H1	Buzzer	3-24VDC	YE84002700000
27	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
28	FM	Fan	230VAC 40W	YM60121200400
29	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300

30	M1	Blower*	400V 50/60Hz 0.18kW	-
31	M2	Blower*	400V 50/60Hz 1.5kW	-
32	EH1	Heater**	400V 50/60Hz 12.0kW	-
33	X1	Terminal board	32A 690V	YE61250040000
34	-	-	-	YE61253500000
35	-	-	-	YE61040000000
36	-	-	-	YE61043500000
37	-	-	-	YE61060000000
38	-	-	-	YE61063500000
39	X2	Terminal board	-	YE61250040000
40	-	-	-	YE61253500000
41	-	-	-	YE61250040000
42	-	-	-	YE61250040000
43	X3	Terminal board	-	YE61250040000
44	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 400V)

NO.	Symbol	Name	SDL-600U/750U	
			Specification	Part NO.
1	Q1	Main switch	40A	YE41104000000
2	Q2	Circuit breaker*	32A	YE40603200000
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	YE00601500000
7	K2	Contactor*	220V 50/60Hz	YE00601521000
8	K3	Contactor*	220V 50/60Hz	YE00602822000
9	K5	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=400V OUT=230/20V 800mA	YE70402300600
13	F1	Overload relay*	1.1~1.6A	YE01160110000
14	F2	Overload relay*	3.5~5A	YE01160350000
15	FU1	Fuse box**	2P	YE41032200000
16	-	Fuse core	2A	YE46002000000
17	FU2	Fuse**	2A	YE46002000000
18	FU3	Fuse**	-	YE46002000000
19	-	Fuse core	0.5A	YE46630500000
20	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
21	S4	Overheat protector*	115-320°	BH90115000150
22	S5	Thermocouple	K	BE90802000050
23	PCB-01	PCB*	V1.1 18VAC	YE80101100000
24	PCB-02	PCB*	-	YE80001100000
25	PCB-03	PCB*	-	YE80001100100
26	H1	Buzzer	3-24VDC	YE84002700000
27	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
28	FM	Fan	230VAC 40W	YM60121200400
29	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300
30	M1	Blower*	400V 50/60Hz 0.55kW	-
31	M2	Blower*	400V 50/60Hz 1.5kW	-
32	EH1	Heater**	400V 50/60Hz 18.0kW	-
33	X1	Terminal board	-	YE61250040000
34	-	-	-	YE61253500000
35	-	-	-	YE61060000000
36	-	-	-	YE61063500000

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

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

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8. Electrical Components List (SDL-900U 400V)

NO.	Symbol	Name	SDL-900U	
			Specification	Part NO.
1	Q1	Main switch	60A	YE41106000000
2	Q2	Circuit breaker*	50A	YE40605000000
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 K4	Contacto* ^r	220V 50/60Hz	YE00602822000
9	K5	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=400V OUT=230/20V 800mA	YE70402300600
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**	2A	YE46002000000
18	FU3	Fuse**	-	YE46002000000
19	-	Fuse core	0.5A	YE46630500000
20	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
21	S4	Overheat protector*	115-320°	BH90115000150
22	S5	Thermocouple	K	BE90802000050
23	PCB-01	PCB*	V1.1 18VAC	YE80101100000
24	PCB-02	PCB*	-	YE80001100000
25	PCB-03	PCB*	-	YE80001100100
26	H1	Buzzer	3-24VDC	YE84002700000
27	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
28	FM	Fan	230VAC 40W	YM60121200400
29	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300
30	M1	Blower*	400V 50/60Hz 0.55kW	-
31	M2	Blower*	400V 50/60Hz 2.4kW	-
32	EH1	Heater**	400V 50/60Hz 18kW	-
33	X1	Terminal board	-	YE61250040000
34	-	-	-	YE61253500000
35	-	-	-	YE61040000000
36	-	-	-	YE61043500000

37	-	-	-	YE61100000000
38	-	-	-	YE61103500000
39	X2	Terminal board	-	YE61250040000
40	-	-	-	YE61253500000
41	-	-	-	YE61250040000
42	-	-	-	YE61250040000
43	X3	Terminal board	-	YE61250040000
44	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 400V)

NO.	Symbol	Name	SDL-1200U	
			Specification	Part NO.
1	Q1	Main switch	60A	YE41106000000
2	Q2	Circuit breaker*	50A	YE40605000000
3	-	Excitation break away	230VAC 50/60Hz	YE40023560000
4	Q3	Circuit breaker*	10A	YE40600300000
5	Q4	Circuit breaker*	15A	YE40601500000
6	K1	Contactor*	230V 50/60Hz	YE00601621000
7	K2	Contactor*	230V 50/60Hz	YE00601621000
8	K3 K4	Contactor*	230V 50/60Hz	YE00602622000
9	K5	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=400V OUT=230/20V 800mA	YE70402300600
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**	2A	YE46002000000
18	FU3	Fuse**	-	YE46002000000
19	-	Fuse core	0.5A	YE46630500000
20	S3	Dew-point transducer	POWER=24VDC OUT=4-20mA	YE10041100000
21	S4	Overheat protector*	115-320°	BH90115000150
22	S5	Thermocouple	K	BE90802000050
23	PCB-01	PCB*	V1.1 18VAC	YE80101100000
24	PCB-02	PCB*	-	YE80001100000
25	PCB-03	PCB*	-	YE80001100100
26	H1	Buzzer	3-24VDC	YE84002700000
27	H2	Alarm indicate lamp	230VAC 50Hz	YE83305100200
28	FM	Fan	230VAC 40W	YM60121200400
29	Y1 Y2 Y3	Solenoid valve*	230VAC 50/60Hz	YE32051800300
30	M1	Blower*	400V 50/60Hz 1.1kW	-
31	M2	Blower*	400V 50/60Hz 2.4kW	-
32	EH1	Heater**	400V 50/60Hz 12kW	-
33	X1	Terminal board	-	YE61250040000
34	-	-	-	YE61253500000
35	-	-	-	YE61040000000
36	-	-	-	YE61043500000

37	-	-	-	YE6110000000
38	-	-	-	YE6110350000
39	X2	Terminal board	-	YE61250040000
40	-	-	-	YE61253500000
41	-	-	-	YE61250040000
42	-	-	-	YE61250040000
43	X3	Terminal board	-	YE61250040000
44	X4 X5	Heavy duty connector	4P 10A	YE68041000100

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