

PARTS MANUAL

KSD-800
(AC380V/50Hz/3PH)
V1.0



SUPERSNOW
2024. 3

Preface

This manual is proposed by SUPERSNOW.

This manual is drafted by the technical research and development Department of SUPERSNOW.

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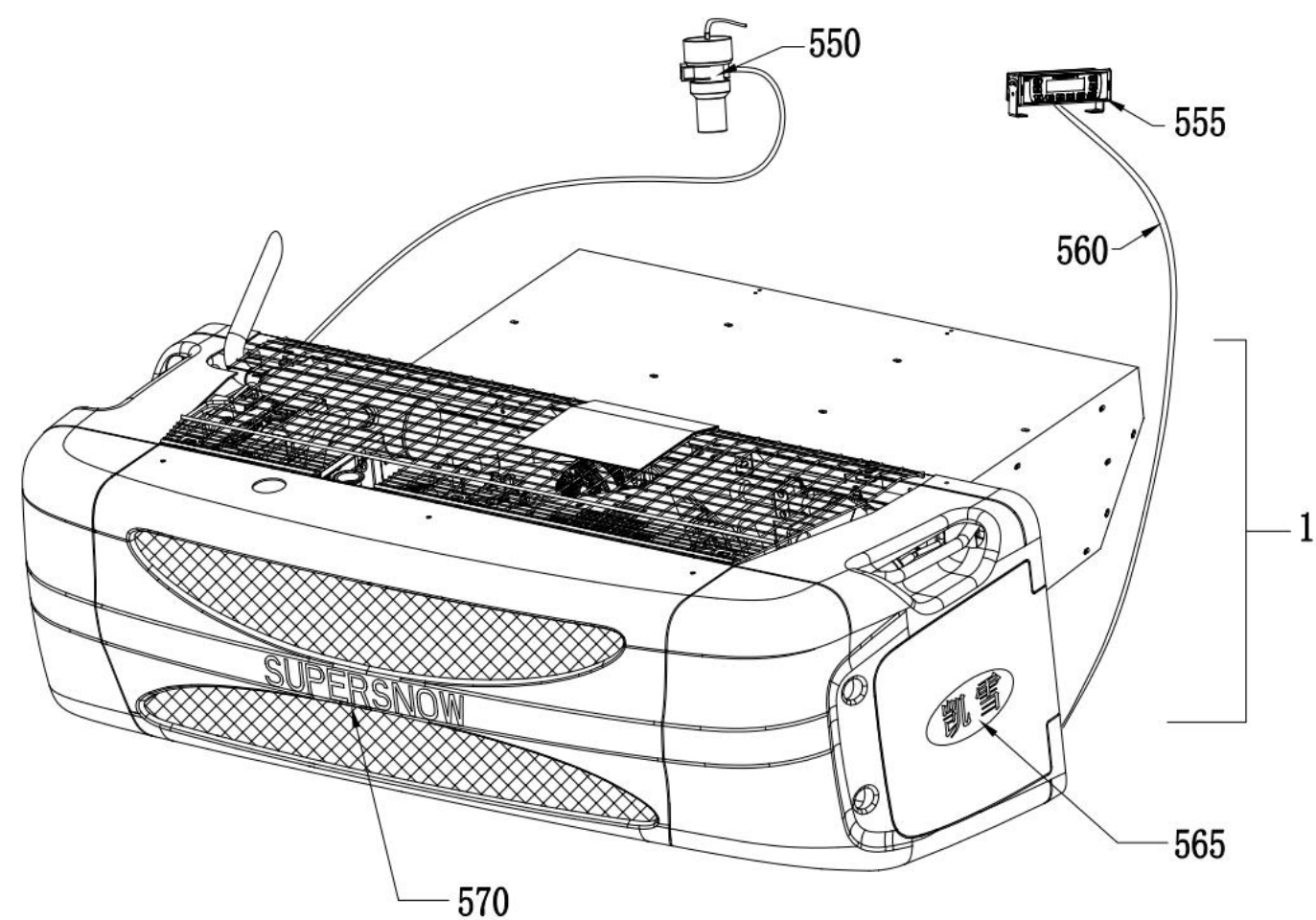
The previous versions of the standard replaced by this manual are:

No	Version	Modification	Date	Person
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2				
3				

Content

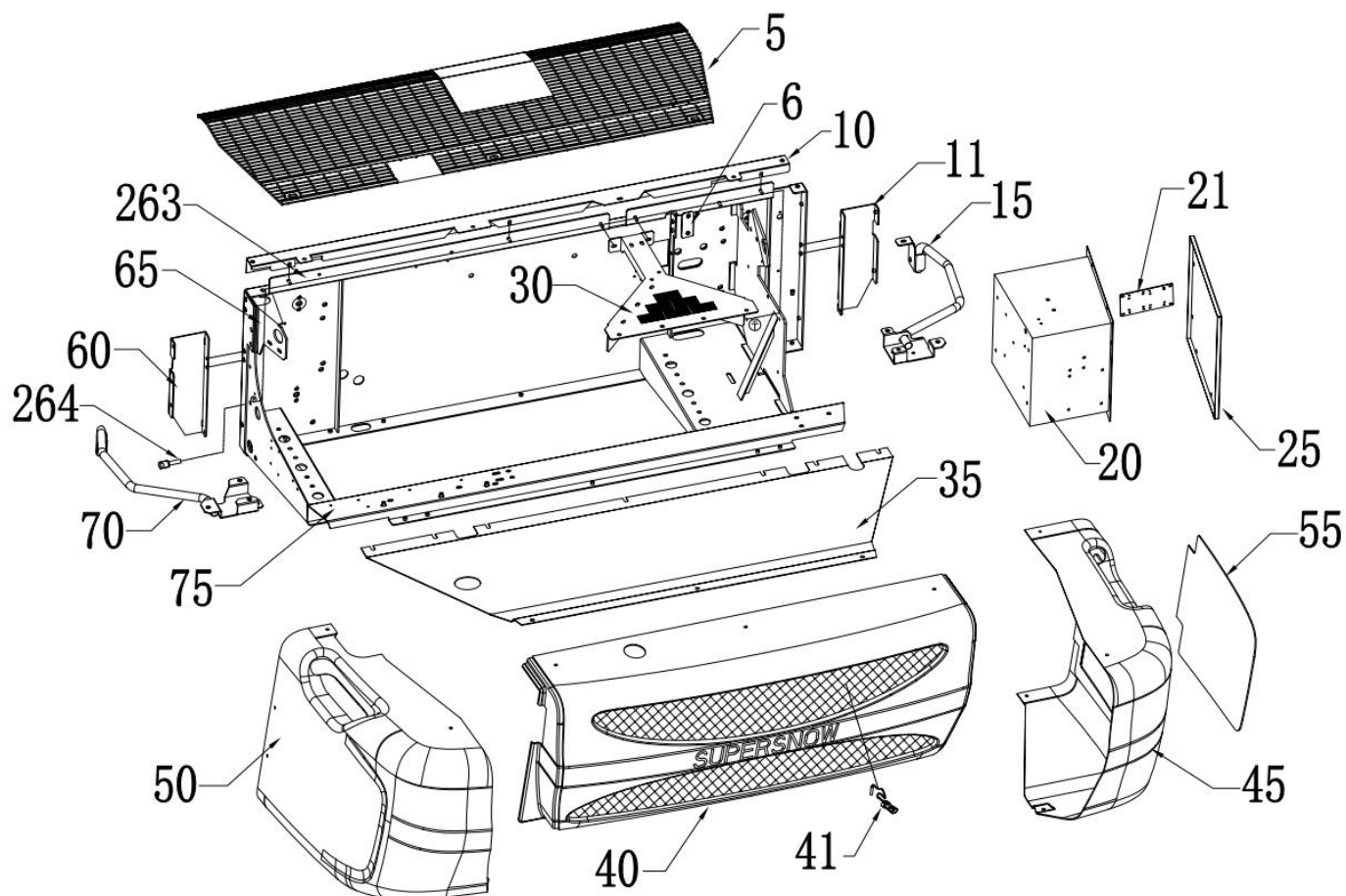
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1.KSD Unit Assembly Drawing



No.	Part Name	PN	Qty
1	Unit assy	801030030_V1.0	1

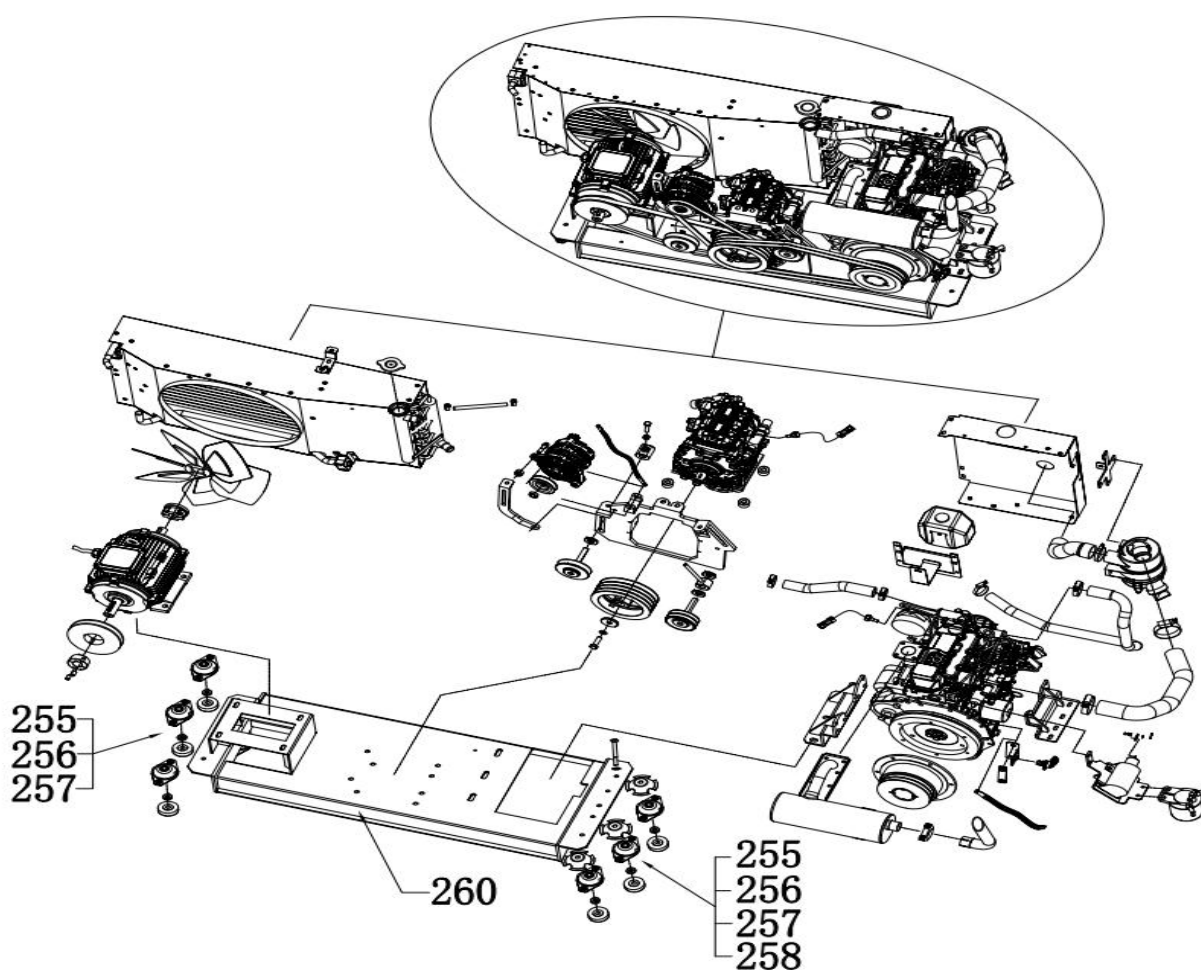
2. Unit Frame and Cover



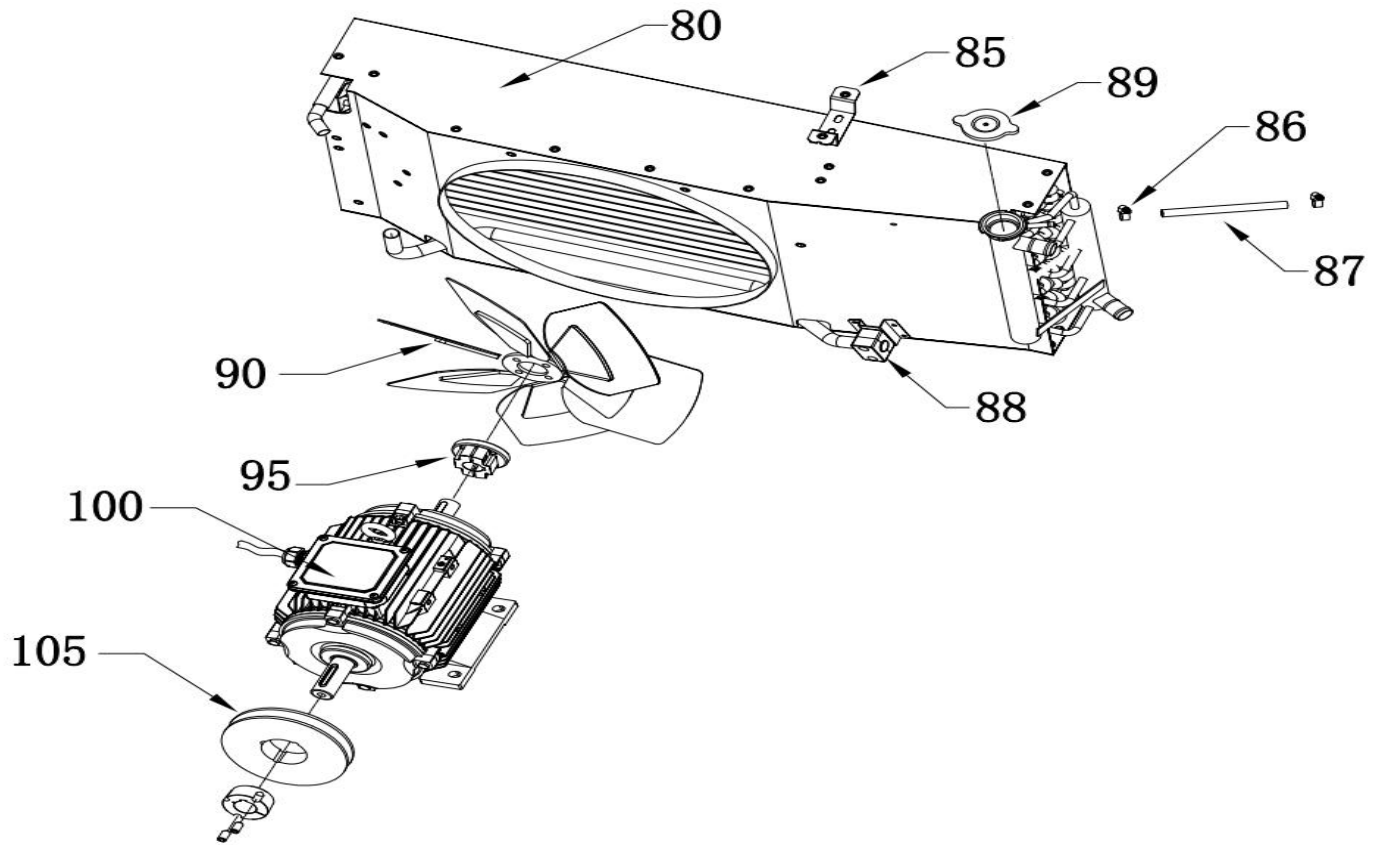
No	Part Name	PN	Qty
5	Top grill	003011243	1
6	KVL bracket	003010287	1
10	Harness cover	003010088	1
11	Cover fix plate	003010086	1
15	Right handle	003010092	1
20	Electrical box	003010527	1
21	AC contactor plate	003010508	1
25	Electrical box cover	003010090	1
30	Condenser coil fix plate	003010634	1

35	Bottom cover	003010087	1
40	Condenser front cover	003030175	1
41	Ambient temperature sensor	004070012	1
45	Right cover-electrical box sde	003030176	1
50	Left cover-engine side	003030177	1
55	Electrical box side cover	003030178	1
60	Left cover fix plate	003010095	1
65	Lift plate	003010537	1
70	Left handle	003010091	1
75	Engine fix plate	003010942	1

3. Power System Drawing

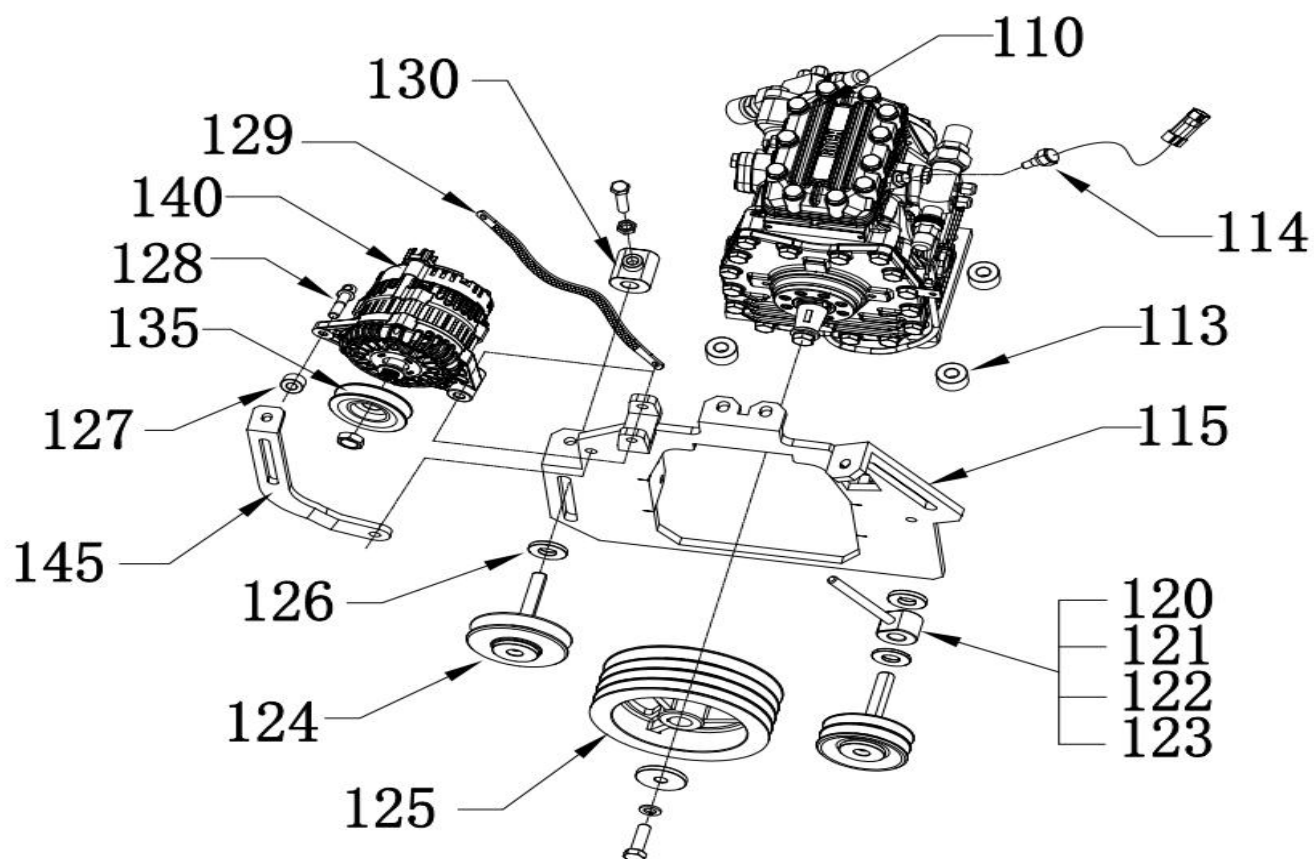


3.1 Electric Standby System Drawing

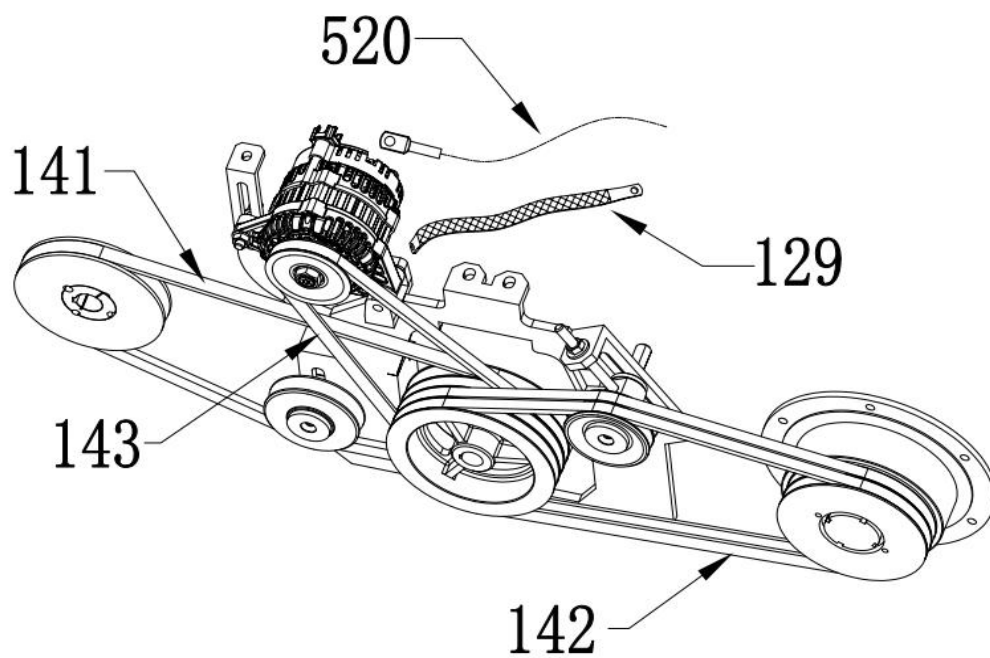


No	Part Name	PN	Qty
80	Condenser coil	005020086	1
85	Front cover fix plate	003010100	1
86	Clamp	010050036	2
87	Rubber pipe	009120007	1
88	Clamp	010050056	1
89	Radiator tank cap	003100001	1
90	Condenser blade	004090073	1
95	Blade fix seat	003010127	1
100	Electric motor	006050023	1
105	Electric motor pulley	006070020	1

3.2 Compressor Connection Drawing



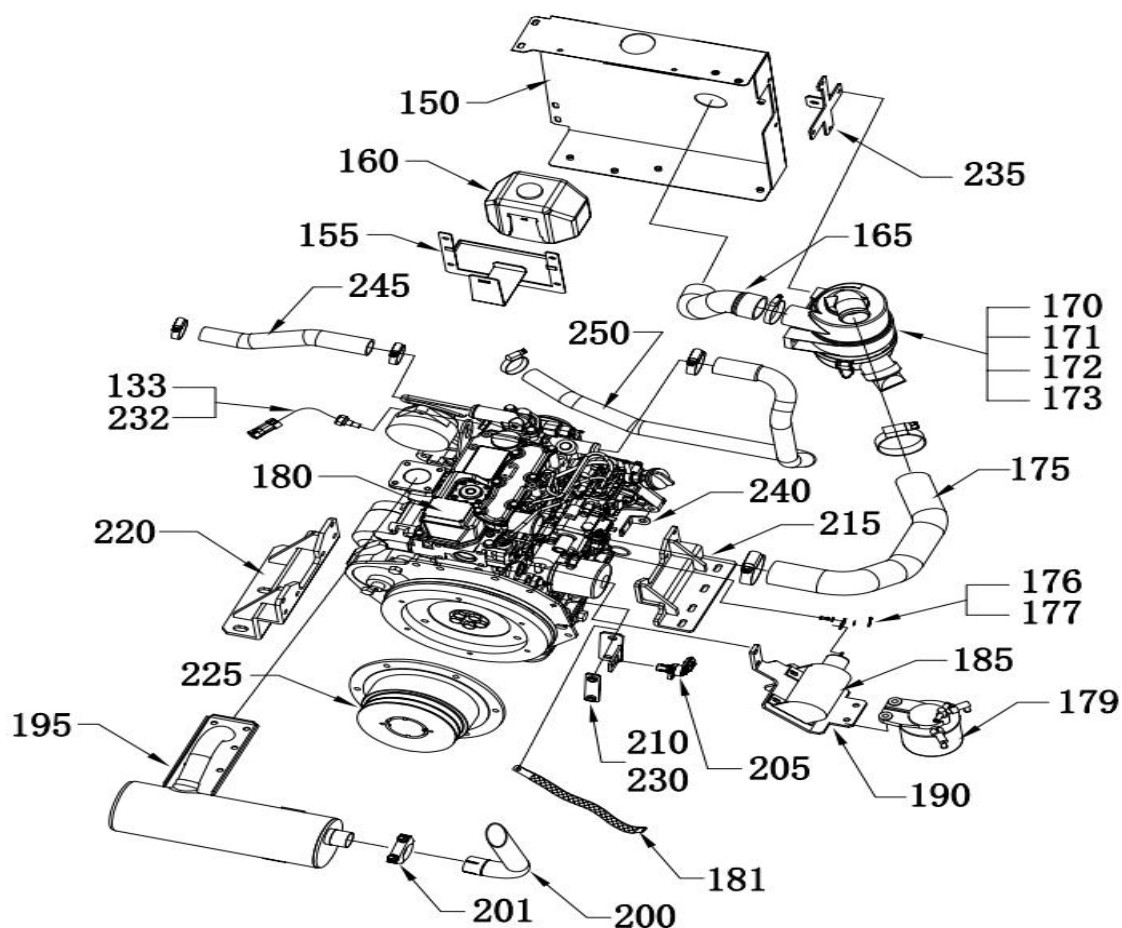
3.3 Belts Drawing



No	Part Name	PN	Qty
110	Compressor(FKX30/275TK)	005010131	1
113	Compressor fix support	003010182	4
114	Compressor discharge sensor	004070036	1
115	Compressor fix plate	003010657	1
120	Engine tensioner pulley shaft sleeve	006070068	1
121	Engine tensioner pulley	006070069	1
122	Shaft sleeve washer-internal	003010193	1
123	Shaft sleeve washer-external	003010504	1
124	Electric motor tensioner pulley	003010144	1
125	Compressor pulley	006070017	1
126	Alternator tensioner washer	003010505	1
127	Tensioner arm sleeve	003010521	1
128	Tensioner pulley shaft	006070006	1
129	Ground cable	004040669	1
130	Electric motor tensioner pulley sleeve	006070067	1
131	Suction pipe bracket	003011983	1
132	Plastic clamp	010050056	2
133	Adaptor cable(black male)	004040642	2
135	Alternator pulley	006070025	1
140	Alternator	006030005	1

141	Alternator belt	006060428	1
142	Engine belt	006060373	2
143	Electric motor belt	006060362	1
145	发电机张紧臂	003010521	1

3.4 Engine Connection Drawing

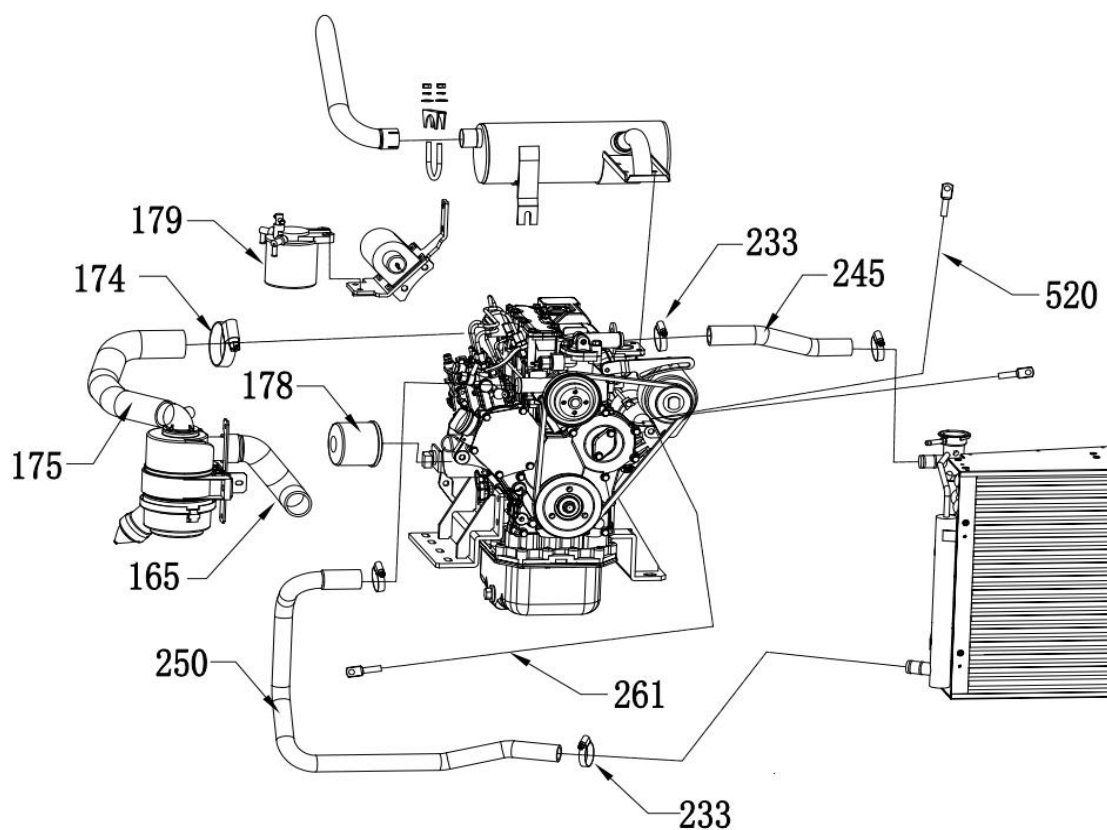


No	Part Name	PN	Qty
150	Radiator fix plate	003010573	1
155	Radiator tank fix plate	003010400	1
160	Radiator tank	003100003	1
165	Air filter intake air	009150008	1

170	Air filter bracket	006010059	1
171	Air filter	006010061	1
172	Air filter housing	006010065	1
173	Air filter front housing	006010063	1
174	SS clamp	010050035	3
175	Air filter connection pipe	009150031	1
176	Speed regulating plate	003010999	1
177	Pin	010010479	2
178	Oil filter	006010058	1
179	Fuel filter	006010051	1
180	Engine assy	006010011	1
181	Ground cable	004041249	1
185	Speed solenoid	005030727	1
190	Running solenoid bracket	003010536	1
195	Muffler assy	006010128	1
200	Muffler fitting	006010129	1
201	U clamp	010050075	1
205	RPM sensor	004070050	1
210	RPM sensor bracket	003012029	1
215	Engine fix plate-left	003010534	1
220	Engine fix plate-right	003010535	1
225	Engine clutch	006010030	1
230	RPM sensor bracket plate	003012094	1

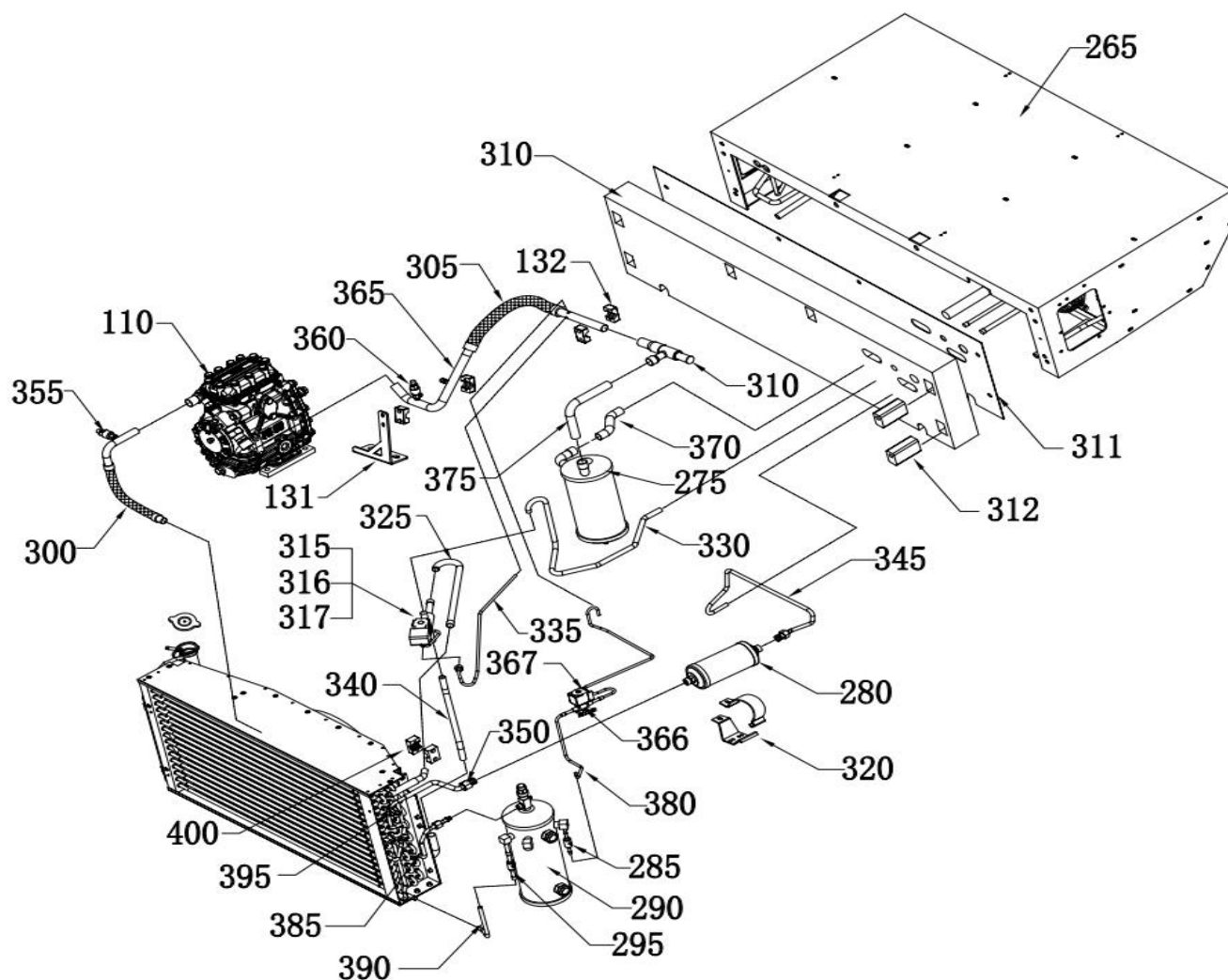
232	Coolant temp sensor	004070040	1
233	Clamp 25-40	010050035	3
235	Air filter fix plate	003010532	1
240	Engine coolant inlet pipe bracket	003010666	1
245	Coolant pipe-top	009110008	1
250	Coolant pipe-bottom	009110015	1
255	Oval cushioning pad	009010045	6
256	Flat washer	003010108	6
257	Round pad	009010043	6
258	Shock absorber cap	010030094	3
260	Engine base	003010530	1

3.5 Engine Pipe Connection Drawing



No	Part Name	PN	Qty
261	Positive battery wire	004040026	1
263	Black battery wire	004040020	1
264	Negative battery wire	004040027	1

4 System Pipe and Valves Connection Drawing

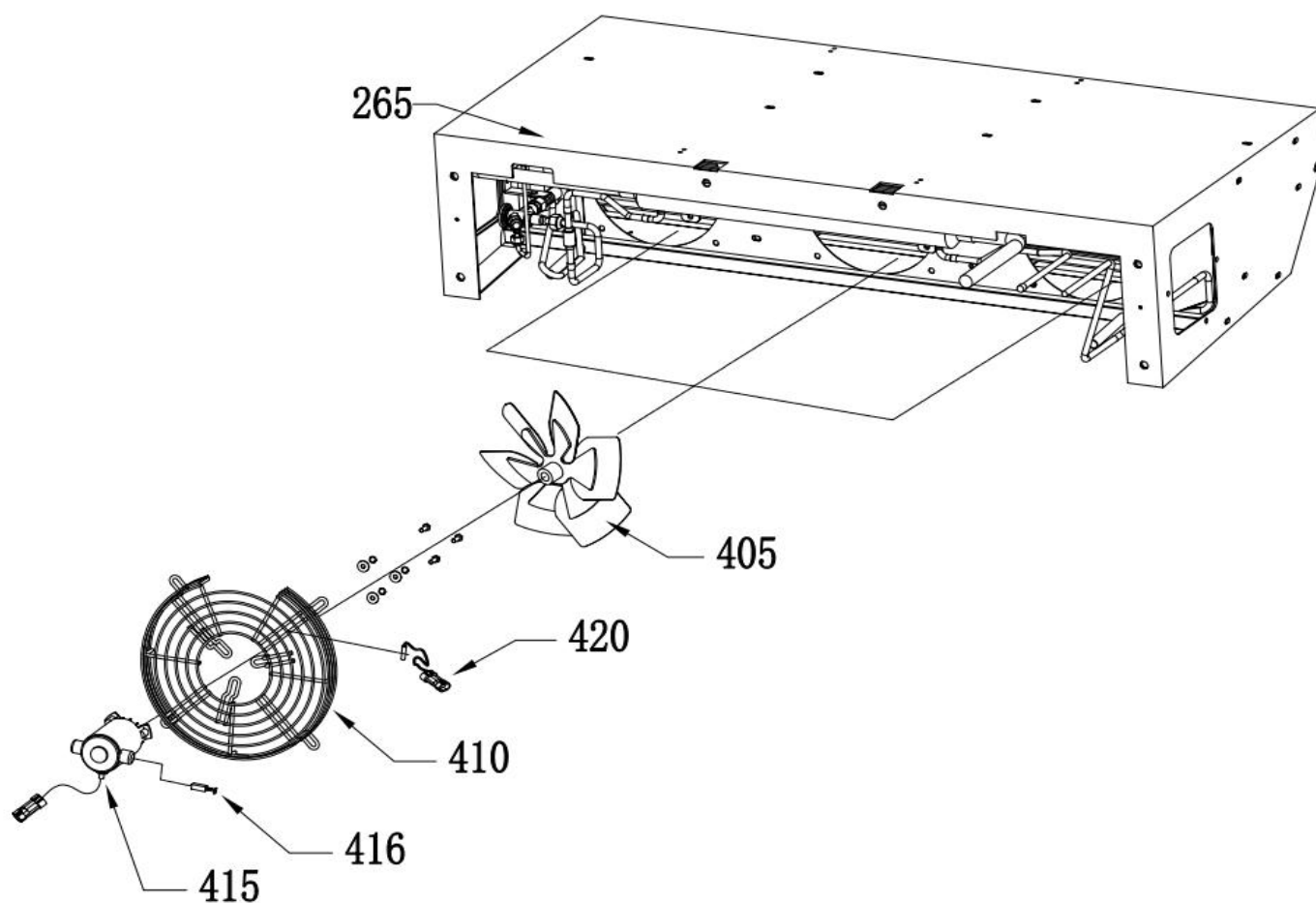


No	Part Name	PN	Qty
265	Evaporator coil	005020030	1
270	KVL	005030095	1
275	Gas-liquid separator	005080004	1

280	Drier	005050005	1
285	Check valve	005030098	1
290	Receiver tank	005060016	1
295	Check valve	005030099	2
300	Discharge corrugated pipe	005101890	1
305	Suction corrugated pipe	005100851	1
310	Insulation panel	008040001	1
311	ABS panel	008040013	1
312	Block	008020060	6
315	Three-way valve body	005030103	1
316	Three-way valve coil	005030104	1
317	Adaptor cable(black female)	004040641	2
320	Drier bracket	003010145	1
325	Three-way valve pipe	005100032	1
330	Defrost pipe	005100133	1
335	Balance pipe	005100379	1
340	HP pipe	005100033	1
345	Liquid pipe	005100375	1
350	Subcooling inlet pipe	005100376	1
355	HP switch	004080014	1
360	LP switch	004080005	1
365	Compressor suction pipe	005100132	1
366	Injection valve body	005030002	1

367	Injection solenoid	005030008	1
370	Gas-liquid separator inlet pipe	005100135	1
375	Gas-liquid separator outlet pipe	005100136	1
380	Injection pipe	005100379	1
385	Receiver tank inlet pipe	005100036	1
390	Subcooling inlet pipe	005100377	1
395	Plastic clamp	010050057	1
400	Aluminum clamp	010050054	1

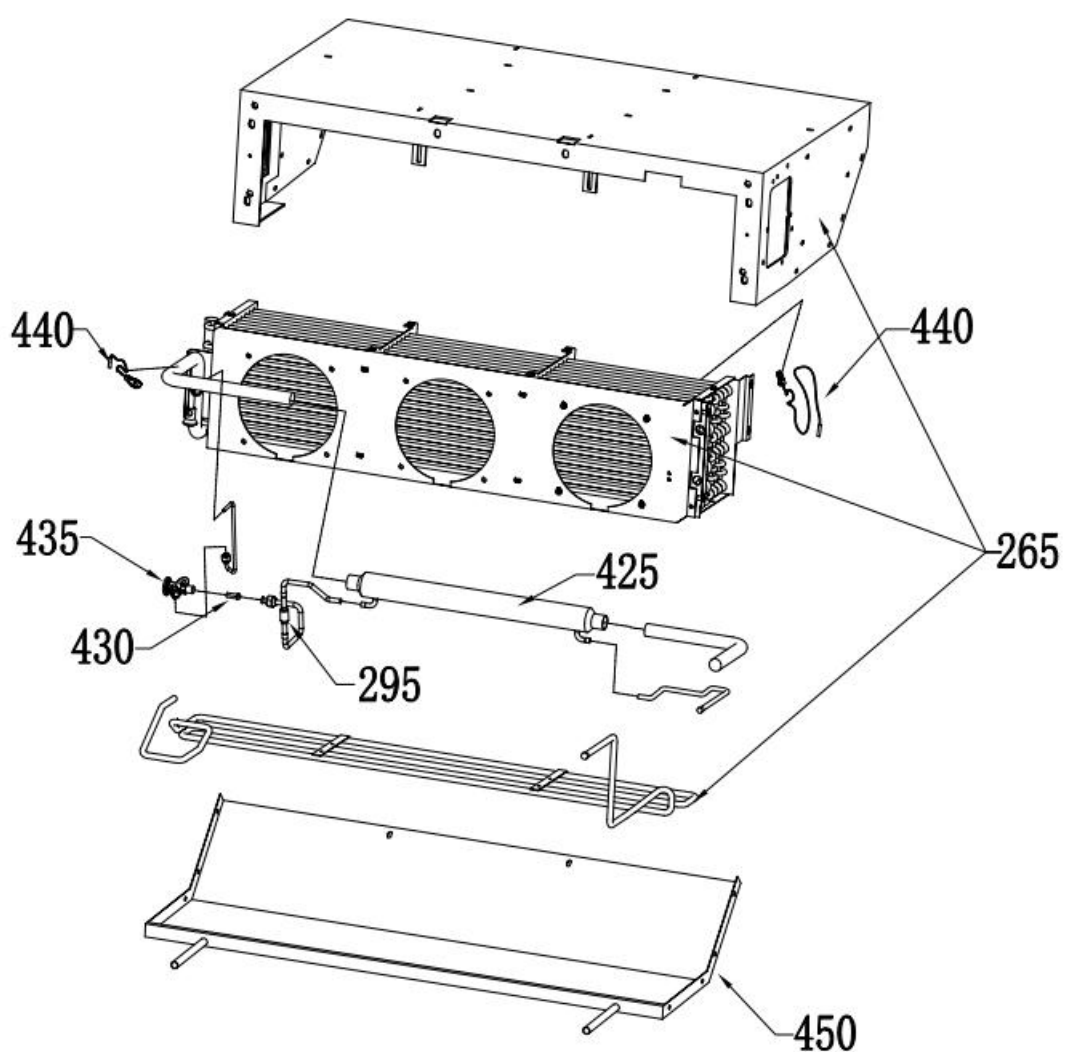
5 Evaporator Fan Assemble Drawing



No	Part Name	PN	Qty
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405	Evaporator fan blade	004090071	3
410	Evaporator fan cover	004090083	3
415	Evaporator fan motor	004090028	3
416	Fan motor carbon brush	004090336	3
420	Return air sensor	004070016	1

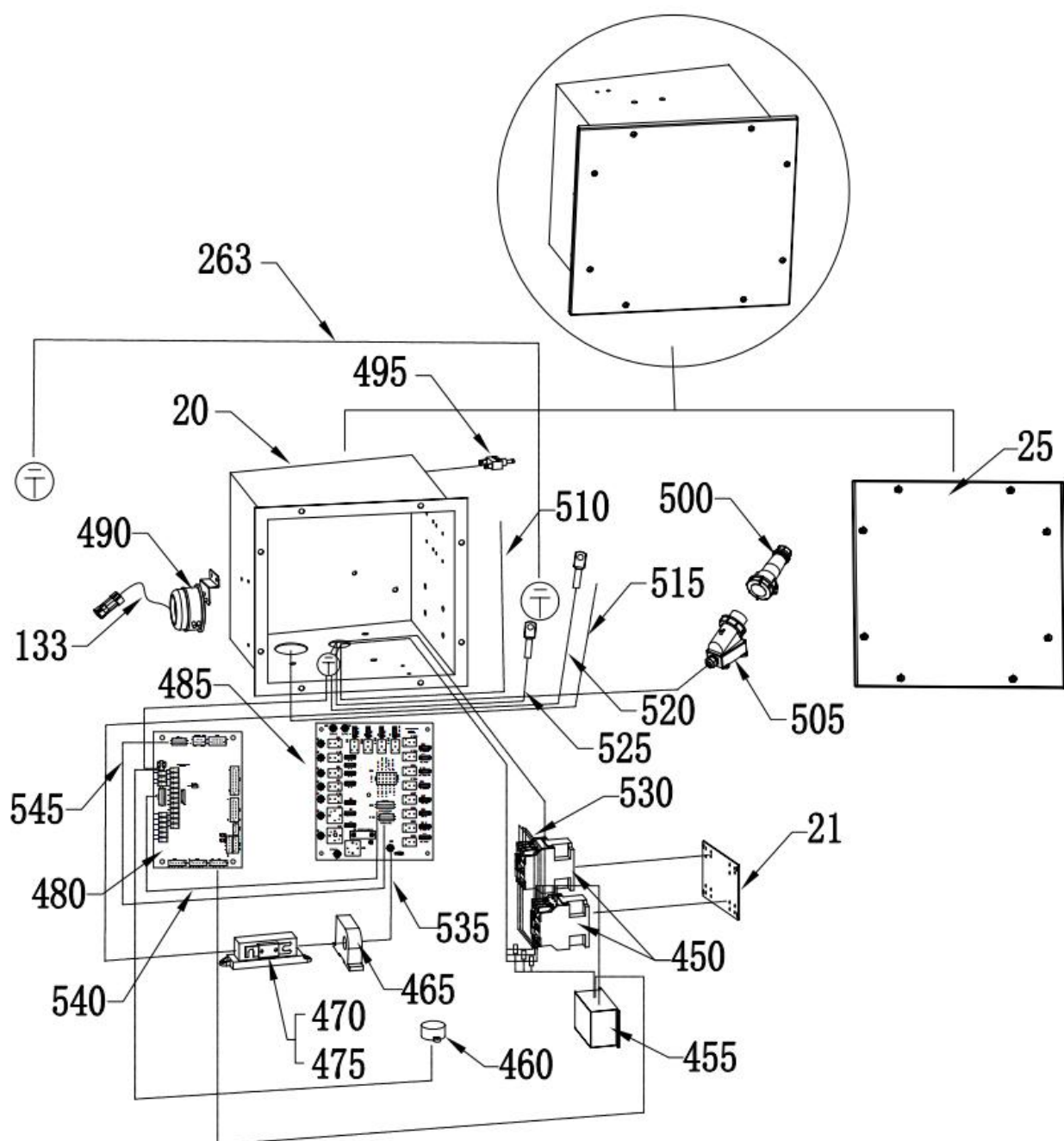
5.1 Evaporator Coil Drawing



No	Part Name	PN	Qty
425	Heat exchanger	005040002	1

430	Expansion valve needle	005030053	1
435	Expansion valve body	005030047	1
440	Defrost/supply air sensor	004070017	2
445	Evaporator water pan	003012614	1

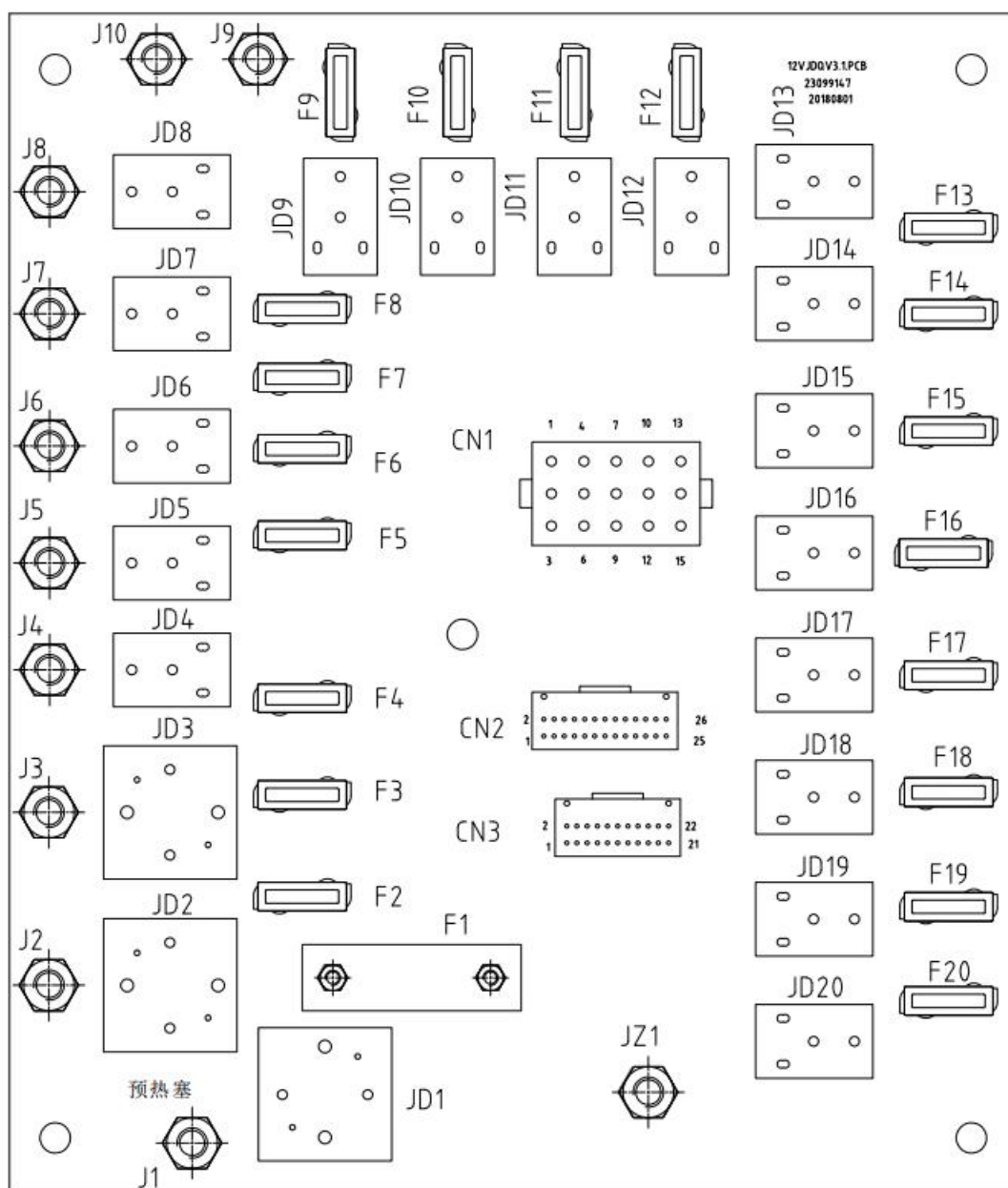
6 Electrical Box Drawing



No	Part Name	PN	Qty
450	AC contactor	004100094	2
455	Electric standby module	004030012	1
460	Buzzer	004100197	1
465	Current transformer	004100156	1
470	Fuse support	004100036	1
475	Fuse	004100012	2
480	Control module	004030089	1
485	Relay board	004020131	1
490	Defrost switch	004080016	1
495	Service switch	004080032	1
500	Electric standby plug-female	004160008	1
505	Electric standby plug-male	004160009	1
510	Electric motor cable	004050002	1
515	Signal output harness	004041405	1
520	Battery wire-red	004041254	1
525	Battery wire-black	004040025	1
530	Cable (6*4mm ² *6)	004050297	1
535	Battery wire-red	004040019	1
540	Control harness KXRW-002GA	004040198	1
545	Control harness KXRW-003GA	004040199	1
550	Fuel pump	006040006	1

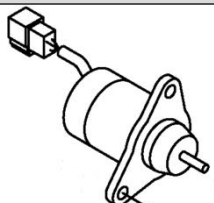
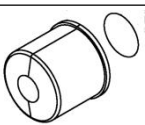
555	Controller	004010026	1
560	Control hanress	004040231	1
565	SUPERSNOW logo-big	009060012	1
570	SUPERSNOW logo	009060578	1
585	SUPERSNOW logo-big	009060012	1

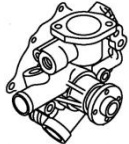
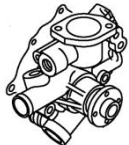
7 Relay Box Fuse



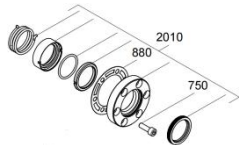
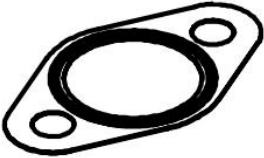
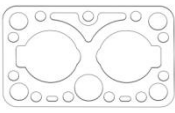
No	Part Name	PN	Qty	No
1	F1	Glow plug fuse ANS-50A	004100008	1
2	F7、F9、F10、F11、F12、 F13、F14、F15、F16、 F17、F20	Fuse 0287005	004100731	11
3	F2、F3、F4、F5、F6、 F8、F18	Fuse 0287030	004100735	7
4	F19	Fuse 0287015	004100733	1
5	JD1、JD2、JD3	4 pins relay	004100320	3

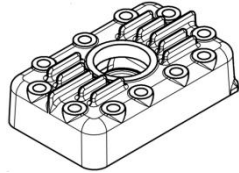
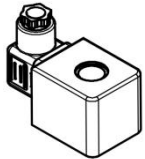
8 Engine Spare Parts List

No	Part Name	Yanmar PN	SuperSnow PN	Drawing
1	Running solenoid	129630-77900	006010089	
2	Fuel filter	129004-55801	006010051	
3	Oil filter	119660-35150	006010058	
4	Water temp switch	121250-44901	006010039	
5	Oil pressure switch	121252-39450	006010041	

6	Water pump washer	119717-42031	006010143	
7	Water pump	119C10-42001	006010085	
8	Water pump belt	Optibelt	006060364	
	...			

9 Compressor Sapre Parts List

No	Part Name	Yanmar PN	SuperSnow PN	Drawing
1	Shaft seal	80679	005010128	
2	Cylinder steel gasket	06730	005010188	
3	Suction & Discharge port gasket	05807	005011302	
4	Flange gasket	50636	005010190	
5	Cylinder paper gasket	05695	005010665	

6	Cylinder head	03383	005010714	
7	Unloader valve	08538	005010796	
8	Valve plate	07117	005010929	
	...			