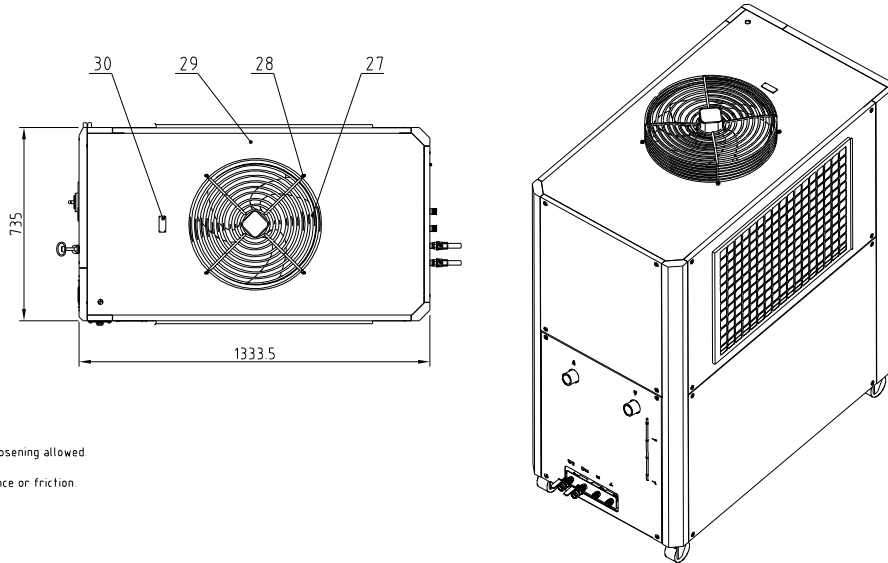
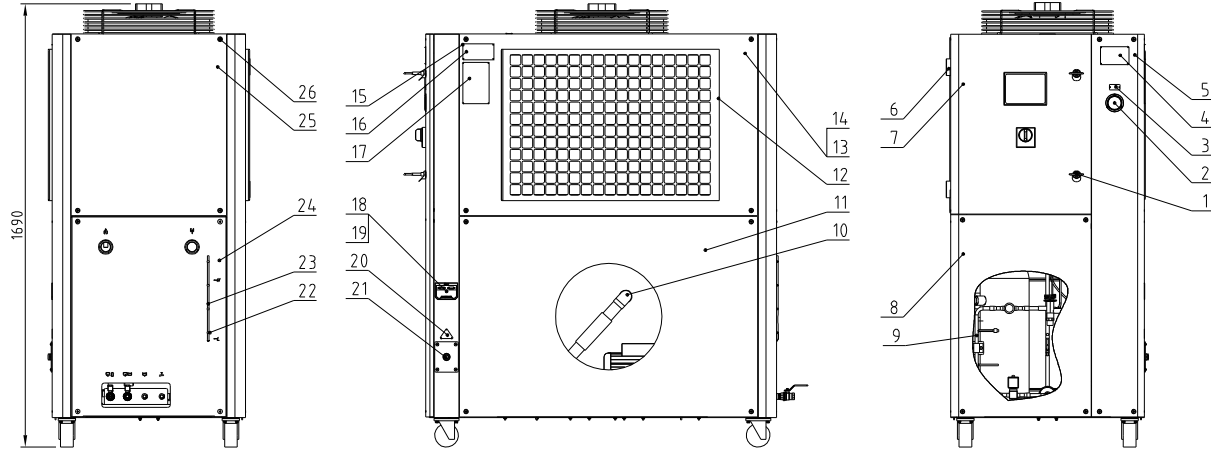


Cooling capacity/water outlet temp. 7(°C)	Cooling capacity/water outlet temp. 10(°C)	Cooling capacity/water outlet temp. 15(°C)	Total power(middle/high pressure)	Chilled water inlet(inch)	Chilled water outlet(inch)	Drainage outlet(inch)	Water tank refill port (inch)	Flow rate of chilled water(l/min)	Water tank capacity(L)	Weight(kg)	Ver.
12kw	13kw	15kw	4.64/4.99kw	Rc1.25	Rc1.25	Rc1/2	Rc1/2	4.3	76	350	C

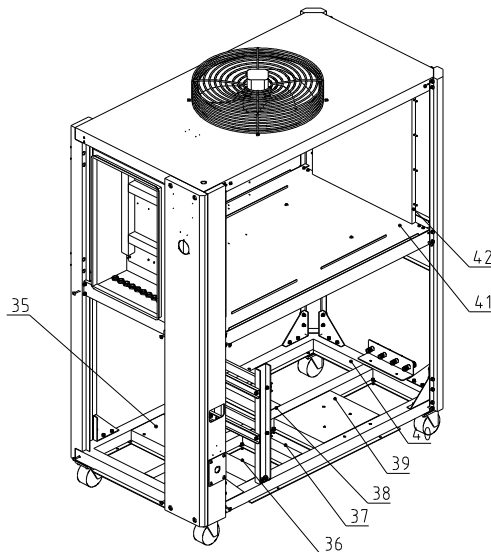
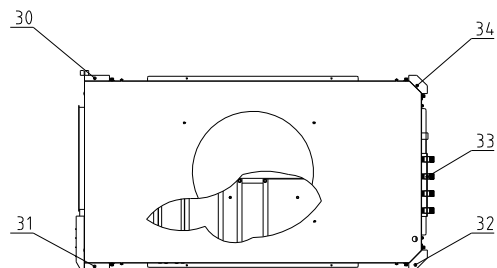
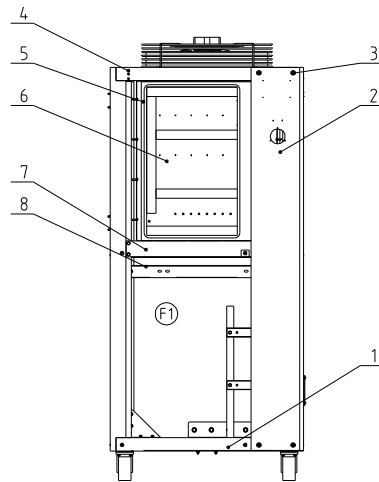
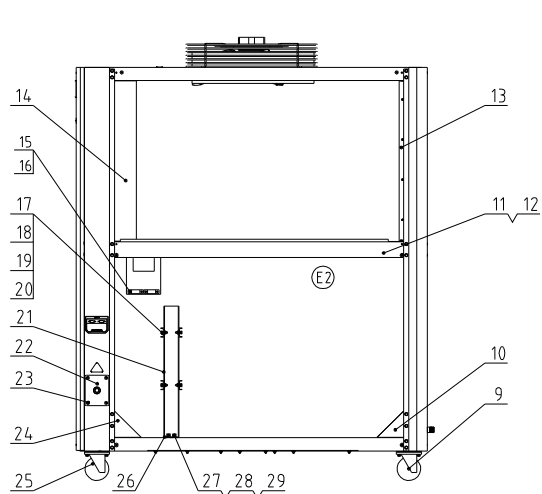


30	YP30432000000	Direction label	2024	1	
29	SIC-15A-R2-ALL-01	Top plate assembly	Assembly	1	Borrowed
28	YW67481900000	Cross recess large flat head screw 20x40	SPCC15	37	
27	YM60445000700	Blower ADA45GSSUNWR, Kuta	Assembly	1	
26	YW62063500000	Cross recess large flat head screw 16x5	4.8	28	
25	SIC-25A-R2-ALL-06	Rear upper panel	SPCC15	1	Borrowed
24	SIC-25A-R2-ALL-07	Rear lower panel	SPCC15	1	Borrowed
23	YR60620000100	Transparent air tube	Structural parts	3M	
22	YR90000022000	Black cable tie for air conditioner (40x 40)	Assembly	5	
21	YE67251500100	Nickel-plated brass cable gland 165x1.5	Assembly	1	
20	YP31051650000	3-phase triangular power supply 40W	2024	1	
19	YR40048500000	RS-485 housing	Assembly	1	
18	YE90048501200	Communication interface board RS-485	Assembly	1	
17	YP31115800400	Aluminum label for chiller maintenance	Assembly	1	
16	YP31018600000	Warning label (Chinese & English)	2024	1	
15	YW69020500000	Rivet GB/T 827 2x5		20	
14	SIC-25A-R2-ALL-05	Upper right side panel	SPCC15	1	Borrowed
13	SIC-25A-R2-ALL-03	Upper left side panel	SPCC15	1	Borrowed
12	SIC-25A-R2-ALL-10	Dust screen	PA66	2	Borrowed
11	SIC-25A-R2-ALL-04	Lower side panel	SPCC15	2	Borrowed
10	SIC-15A-R2-B-ALL	Water system	Assembly part	1	
9	SIC-15A-R2-C-ALL	Refrigerant system	Assembly part	1	
8	SIC-25A-R2-ALL-02	Front lower panel	SPCC15	1	Borrowed
7	SIC-25A-R2-ALL-01	Front upper panel	SPCC15	1	Borrowed
6	YW06203100400	Large hinge (L203-1 (Left))	SPCC2.0	2	
5	SIC-15A-R2-A-ALL	Frame	Assembly part	1	
4	YP30804900700	Small chilton template (group universal)	2024	1	
3	YP30425000000	Pump pressure gauge (aluminum plate label)	2024	1	
2	YW85001000100	Pressure gauge 0-10KG	Assembly	1	
1	YW00816100000	Door lock (MS16-1 with key)	Assembly	2	

Technical Requirements:
1. Fasten all component screws to standard torque, no loosening allowed.
2. No paint peeling or scratches on exterior surfaces.
3. Panels shall be easy to disassemble without interference or friction.

				制图		版号	G	标题	SIC-15A-R2	图号	SIC-15A-R2-ALL	比例	1:18	数量	1
				设计		核准			总装图					材质	组合件
(G1)		见本图		20260203	校对									表面要求	/
标记	更改前	更改后	更改人	日期	审核	日期	20200214							物料号	/





Technical Requirements

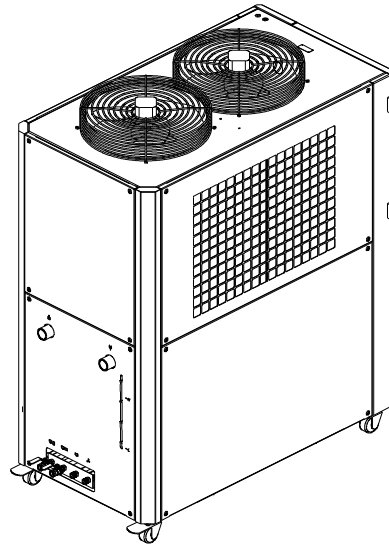
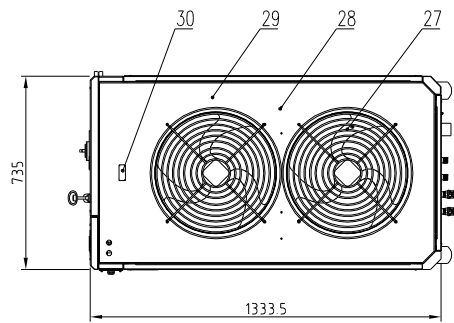
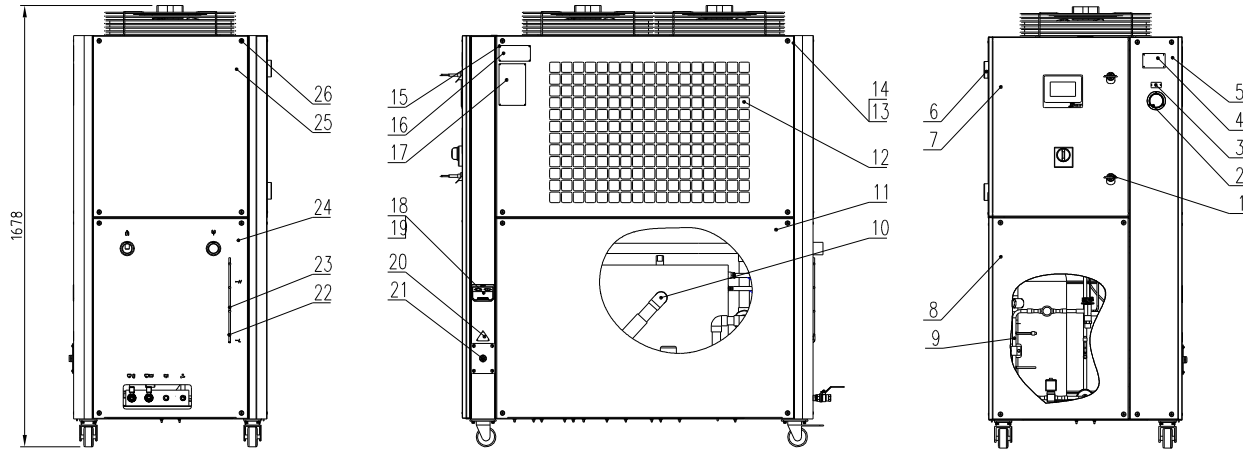
1. Tighten fastening screws of all components to specified torque, no loosening.
2. No paint peeling or scratches on external surfaces.
3. Panels shall be easily disassembled without interference or abrasion.

42	SIC-25A-R2-A-17	Rear middle crossbeam	SPCC2.0	1	Borrowed
41	SIC-25A-R2-A-25	Lower sealing plate of condenser	SPCC1.0	1	Borrowed
40	SIC-25A-R2-A-11	Bottom middle crossbeam	SPCC2.0	1	Borrowed
39	SIC-25A-R2-A-14	Water pump base plate	SPCC2.0	1	Borrowed
38	SIC-25A-R2-A-13	Water tank crossbeam 2	SPCC2.0	1	Borrowed
37	SIC-25A-R2-A-12	Water tank crossbeam 1	SPCC2.0	1	Borrowed
36	SIC-25A-R2-A-15	Plate heat exchanger base plate	SPCC2.0	1	Borrowed
35	SIC-15A-R2-A-01	Compressor crossbeam	SPCC2.0	1	
34	SIC-25A-R2-A-04	Left rear column	SPCC2.0	1	Borrowed
33	SIC-33A-R2-A-38	Drainage fixing plate assembly	SPCC2.0	1	Borrowed
32	SIC-25A-R2-A-05	Right rear column	SPCC2.0	1	Borrowed
31	SIC-25A-R2-A-03	Right front column	SPCC2.0	1	Borrowed
30	SIC-25A-R2-A-02	Left front column	SPCC2.0	1	Borrowed
29	YW66081600000	Plain washer G/7/1.1 (4.6x1.1 G)	14.0HV	4	
28	YW65008000100	Standard spring washer GB/T93 8	65Mn	4	
27	YW60082000200	Hex head bolt GB/T5783 M6x20	5.0	4	
26	SIC-25A-R2-A-16	Evaporator fixing groove	SPCC2.0	2	Borrowed
25	YW03000300000	3-inch black PPR center with middle hole	Structure parts	2	
24	BL08102100020	Right triangular plate SIC-004	SPCC2.0	3	
23	YW62051000100	Cross recess large flat head screw M5.0x11 GB/N	4.8	27	
22	SG-S-01	Cable clip fixing plate M25	SPCC2.0	1	Borrowed
21	SIC-33A-R2-A-18	Evaporator fixing piece	SPCC2.0	4	Borrowed
20	YW64.000600300	Hex head bolt GB/T5781 M6x20	4.8	155	
19	YW66061300000	Standard spring washer GB/T93 6	65Mn	155	
18	YW65006000100	Plain washer G/7/1.1 (4.6x1.1 G)	14.0HV	24.3	
17	YW60062000100	Hex nut GB/T6170 M6	5.0	88	
16	SIC-039	Sensor fixing plate	SPCC2.0	1	
15	SIC-038	Sensor clip	SPCC15	2	
14	SIC-25A-R2-A-24	Front sealing plate of condenser	SPCC15	1	Borrowed
13	SIC-25A-R2-A-26	Rear sealing plate of condenser	SPCC15	1	Borrowed
12	SIC-25A-R2-A-19	Right middle crossbeam	SPCC2.0	1	Borrowed
11	SIC-25A-R2-A-18	Left middle crossbeam	SPCC2.0	1	Borrowed
10	BL08112000020	Left triangular plate SIC-003	SPCC2.0	3	
9	YW030003000200	3-inch swirl black PPR center	Structure parts	2	
8	SIC-25A-R2-A-22	Inlet & outlet pipe fixing crossbeam	SPCC2.0	1	Borrowed
7	SIC-25A-R2-A-08	Front middle crossbeam	SPCC2.0	1	Borrowed
6	SIC-25A-R2-A-07	Electrical base plate	SECC15	1	Borrowed
5	SIC-25A-R2-A-06	Electrical control box	SPCC15	1	Borrowed
4	SIC-33A-R2-A-34	Support for top panel fixing bolt	SPCC2.0	2	Borrowed
3	YW62063500000	Cross recess large flat head screw M5.0x11 GB/N	4.8	4	
2	SIC-25A-R2-A-01	Face plate	SPCC15	1	Borrowed
1	SIC-25A-R2-A-09	Base frame	SPCC2.0	1	Borrowed

③	无	新增传感器固定板	20260203	制图	版号	F
②	无	新增传感器固定夹	20260203	设计	核准	
①	无	取消进出水管固定新板	20260203	校对	日期	20200214
标记	更改前	更改后	更改人	日期	审核	日期

序号	代号	名称	材质	数量	备注
标题 SIC-15A-R2		图号 SIC-15A-R2-A-ALL			
机架					
SHINI		信易电热机械股份有限公司 Shini Plastics Technologies, Inc.			
比例 1:18		数量 1		材质 组合件	
表面要求		/			
物料号		/			

Cooling capacity/water outlet temp. 7℃/1	Cooling capacity/water outlet temp. 10℃/1	Cooling capacity/water outlet temp. 15℃/3	Total power(middle/high pressure)	Chilled water inlet(inch)	Chilled water outlet(inch)	Drainage outlet(inch)	Water tank refill port (inch)	Flow rate of chilled water(L/min)	Water tank capacity(L)	Weight(kg)	Ver.
19kw	21kw	25kw	8.12kw	Rc1.25	Rc1.25	Rc1/2	Rc1/2	71.7	76	366	C

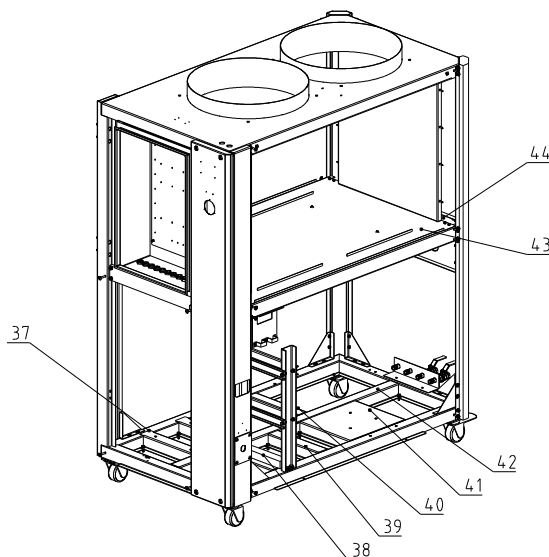
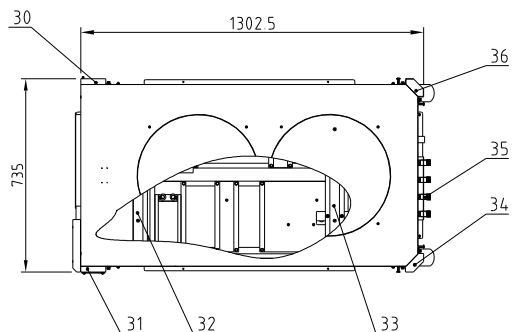
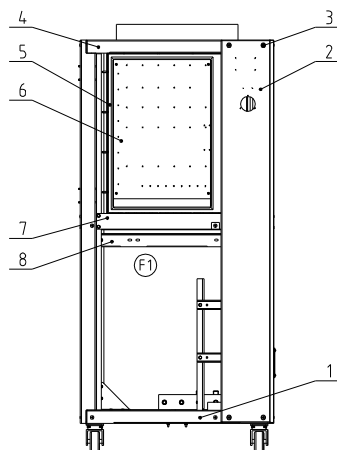
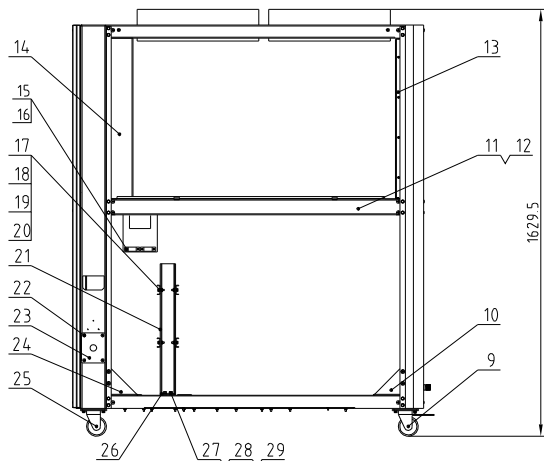


1	YW00816100000	Door lock (MS16-1 with key)	Assembly	2	
2	YW85001000100	Pressure gauge 0-10RG	Assembly	1	
3	YP30425000000	Pump pressure gauge (aluminum label)	2024	1	
4	YP30804900700	Small aluminum complete (gray standard)	2024	1	
5	SIC-25A-R2-A-ALL	Frame	Assembly	1	
6	YW06203100400	Large hinge CL200-1 (Left)	SPCC2.0	2	
7	SIC-25A-R2-ALL-01	Front upper panel	SPCC15	1	
8	SIC-25A-R2-ALL-02	Front lower panel	SPCC15	1	
9	SIC-25A-R2-C-ALL	Refrigerant system	Assembly	1	
10	SIC-25A-R2-B-ALL	Water medium system	Assembly	1	
11	SIC-25A-R2-ALL-04	Lower side panel	SPCC15	2	
12	SIC-25A-R2-ALL-10	Dust screen	PA66	2	
13	SIC-25A-R2-ALL-03	Upper left side panel	SPCC15	1	
14	SIC-25A-R2-ALL-05	Upper right side panel	SPCC15	1	
15	YW69020500000	Rivet GB/T 827 2x5		20	
16	YP31018600000	Warning label (Chinese & English)	2024	1	
17	YP31115800400	Aluminum label for chiller maintenance	Assembly	1	
18	YE90048501200	RS-485 communication interface board	Assembly	1	
19	YR40048500000	RS-485 housing	Assembly	1	
20	YP31051650000	3-phase delta connection power supply, 40W	2024	1	
21	YE67251500100	Nickel-plated brass cable gland MSXLS	Assembly	1	
22	YR90000022000	Black cable tie for air conditioner (5mm width)	Assembly	5	
23	YR60620000100	Transparent air tube	Structural parts	3M	
24	SIC-25A-R2-ALL-07	Rear lower panel	SPCC15	1	
25	SIC-25A-R2-ALL-06	Rear upper panel	SPCC15	1	
26	YW62063500000	Cross recess large flat head screw MSX5	4.8	28	
27	YM60445000700	Blower A4DAS050NWR, Kute	Assembly	2	
28	YW67481900000	Cross recess pan head self-drilling screw SHL039	SPCC15	37	
29	SIC-25A-R2-ALL-08	Top plate	SPCC15	1	
30	YP30432000000	Direction label	2024	1	

Technical Requirements

1. Tighten all fastening screws of components to specified torque with no loosening
2. The exterior shall be free of paint peeling and scratches
3. Panels shall be easy to disassemble without interference or abrasion

				制图		版号	G	标题	SIC-25A-R2	图号	SIC-25A-R2-ALL	比例	1:18	数量	1
				设计		核准		总装图					材质	组合件	
(G1)		见本图		20260205	校对				信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		表面要求	/			
标记	更改前	更改后	更改人	日期	审核	日期	20200212				物料号	/			



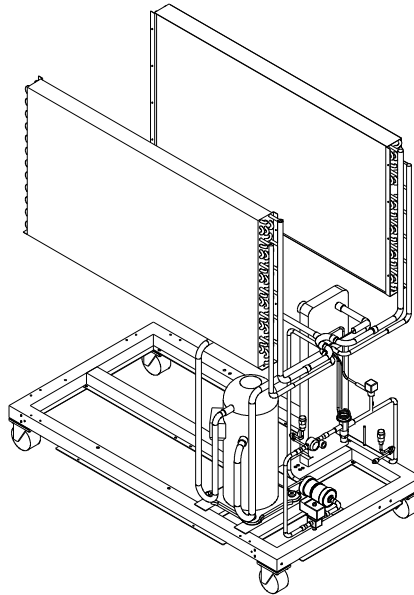
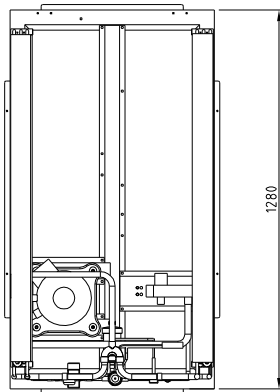
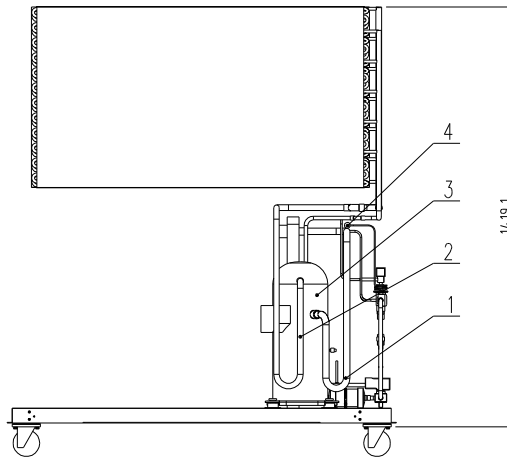
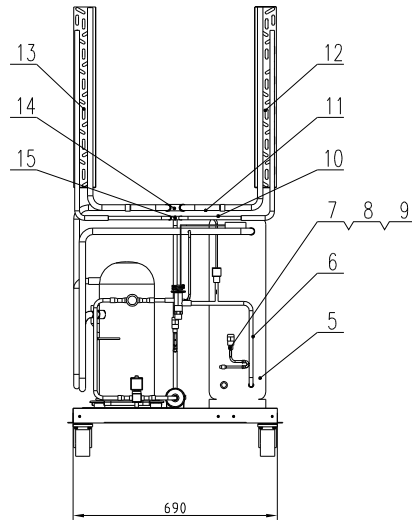
44	SIC-25A-R2-A-17	Rear middle crossbeam	SPCC2.0	1	
43	SIC-25A-R2-A-25	Lower sealing plate of condenser	SPCC1.0	1	
42	SIC-25A-R2-A-11	Bottom middle crossbeam	SPCC2.0	1	
41	SIC-25A-R2-A-14	Water pump base plate	SPCC2.0	1	
40	SIC-25A-R2-A-13	Water tank crossbeam 2	SPCC2.0	1	
39	SIC-25A-R2-A-12	Water tank crossbeam 1	SPCC2.0	1	
38	SIC-25A-R2-A-15	Plate heat exchanger base plate	SPCC2.0	1	
37	SIC-25A-R2-A-10	Compressor crossbeam	SPCC2.0	2	
36	SIC-25A-R2-A-04	Left rear column	SPCC2.0	1	
35	SIC-33A-R2-A-38	Drainage fixing plate assembly	SPCC2.0	1	Borrowed
34	SIC-25A-R2-A-05	Right rear column	SPCC2.0	1	
33	SIC-25A-R2-A-21	Water filter fixing crossbeam	SPCC2.0	1	
32	SIC-25A-R2-A-20	Copper pipe fixing crossbeam	SPCC2.0	1	
31	SIC-25A-R2-A-03	Right front column	SPCC2.0	1	
30	SIC-25A-R2-A-02	Left front column	SPCC2.0	1	
29	YW66081600000	Grate 1 plain washer GB/T91.1 (4.6/14.1.6)	14.0HV	4	
28	YW65008000100	Standard spring washer GB/T93 8	65Mn	4	
27	YW60082000200	Hex head bolt GB/T5783 M6x20	5.0	4	
26	SIC-25A-R2-A-16	Evaporator fixing groove	SPCC2.0	2	
25	YW03000300000	3-inch black PPR center with control knob	Structure parts	2	
24	BL08102100020	Right triangular plate SIC-004	SPCC2.0	3	
23	SG-S-01	Cable clip fixing plate W25	SPCC2.0	1	Borrowed
22	YW62051000100	Cross recess large flat head screw JISIII M6x8	4.8	27	
21	SIC-33A-R2-A-18	Evaporator fixing bracket	SPCC2.0	4	Borrowed
20	YW64.000600300	Hex head bolt GB/T5781 M6x20	4.8	155	
19	YW66061300000	Standard spring washer GB/T93 6	65Mn	155	
18	YW65006000100	Grate 1 plain washer GB/T91.1 (4.6/14.1.6)	14.0HV	24.3	
17	YW60062000100	Hex nut GB/T6170 M6	5.0	88	
16	SIC-039	Sensor fixing plate	SPCC2.0	1	
15	SIC-038	Sensor retaining clip	SPCC1.5	2	
14	SIC-25A-R2-A-24	Front sealing plate of condenser	SPCC1.5	1	
13	SIC-25A-R2-A-26	Rear sealing plate of condenser	SPCC1.5	1	
12	SIC-25A-R2-A-19	Right middle crossbeam	SPCC2.0	1	
11	SIC-25A-R2-A-18	Left middle crossbeam	SPCC2.0	1	
10	BL08112000020	Left triangular plate SIC-003	SPCC2.0	3	
9	YW030003000200	3-inch swivel black PPR center	Structure parts	2	
8	SIC-25A-R2-A-22	Inlet and outlet pipe fixing crossbeam	SPCC2.0	1	
7	SIC-25A-R2-A-08	Front middle crossbeam	SPCC2.0	1	
6	SIC-25A-R2-A-07	Electrical base plate	SECC1.5	1	
5	SIC-25A-R2-A-06	Electric control box	SPCC1.5	1	
4	SIC-33A-R2-A-34	Support for top panel fixing bolt	SPCC2.0	2	Borrowed
3	YW62063500000	Cross recess large flat head screw JISIII M6x5	4.8	4	
2	SIC-25A-R2-A-01	Face plate	SPCC1.5	1	
1	SIC-25A-R2-A-09	Base frame	SPCC2.0	1	

Technical Requirements

1. Fasten all component screws to standard torque and ensure no loosening.
2. No paint peeling or scratches on external surfaces.

标记	更改前	更改后	更改人	日期	审核	日期	20200212
③	无	新增传感器固定板		20260203	制图		F
②	无	新增传感器固定夹		20260203	设计		
①	无	取消进出水管固定新板		20260203	校对		

序号	代号	名称	材质	数量	备注
标题 SIC-25A-R2		图号 SIC-25A-R2-A-ALL			
机架					
SHINI		信易电热机械股份有限公司 Shini Plastics Technologies, Inc.			
比例 1:18		数量 1		材质 组合件	
表面要求		/			
物料号		/			



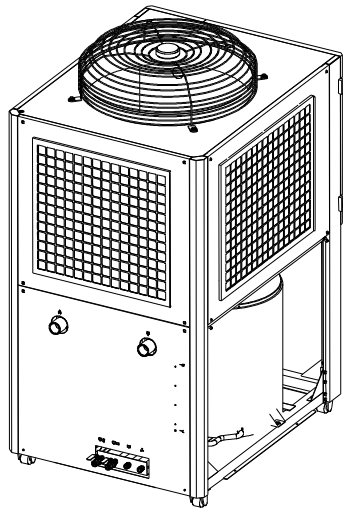
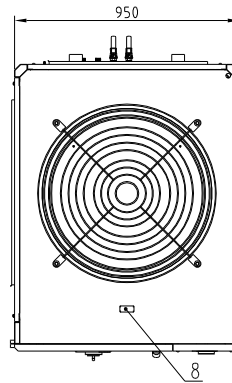
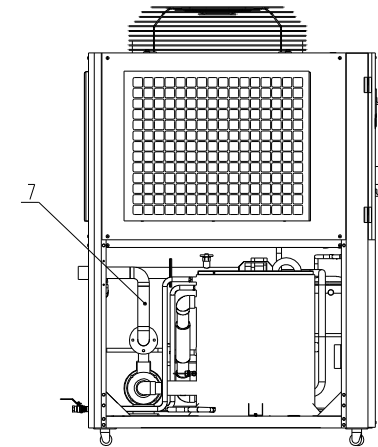
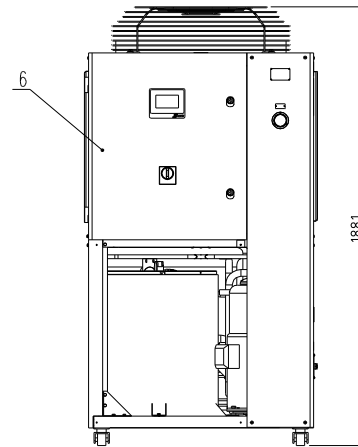
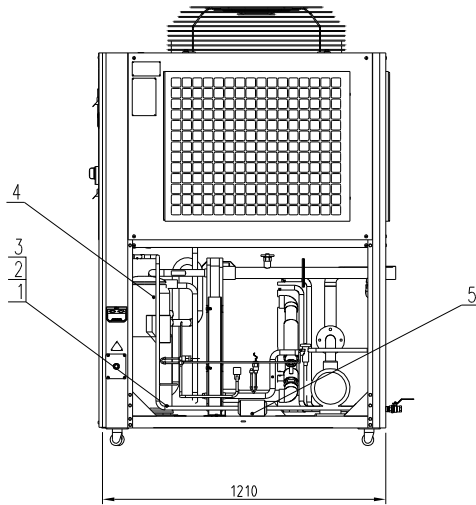
Technical Requirements

- 1 For copper-to-stainless steel welding, use brazing rods with silver content of no less than 20%; for copper-to-copper welding, use brazing rods with 5% silver content. All components shall be installed firmly and neatly. Low-phosphorus brazing rods require advanced welding skills.
- 2 Take anti-oxidation measures during welding. No slag or foreign particles shall remain inside the pipeline system after welding, and all welds shall be smooth.
- 3 After assembly, charge the refrigerant system with nitrogen at 3.2 MPa for pressure retention test. The pressure gauge reading shall keep stable within 10 hours.
- 4 Wrap thermal insulation cotton on low-temperature copper pipes and evaporator surfaces.
- 5 Thermal insulation shall also be applied to temperature sensors.

15	YW05000500900	5-point Y-tee	TP2Y	1	
14	YW05000700800	7-point Y-tee	TP2Y	1	
13	SIC-25A-R2-C-02	Left finned condenser	Structural parts	1	
12	SIC-25A-R2-C-03	Right finned condenser	Structural parts	1	
11	SIC-25A-R2-C-06	Cou inlet pipes of left & right condensers	TP2M	2	
10	SIC-25A-R2-C-07	Liquid outlet pipes of left & right condensers	TP2M	2	
9	YR60001100100	Pressure hose RG-01 (SHIXIN)	Assembly	2M	
8	YW80716200100	Copper straight fitting for pressure sensor	Assembly	2	
7	YW80000100200	Straight fitting G27-4L (with thinplate)	Assembly	2	
6	SIC-25A-R2-C-08	Liquid pipe welding	TP2M	1	
5	YW87951000000	Plate evaporator HBL95B-100	SUS316L	1	
4	本期	Expansion valve thermal bulb	TP2M	1	
3	YM70006100000	Compressor	Assembly	1	
2	SIC-25A-R2-C-05	Discharge pipe	TP2M	1	
1	SIC-25A-R2-C-04	Suction pipe	TP2M	1	
序号	代号	名称	材料	数量	备注

制图	设计	校对	审核	制图日期	设计日期	校对日期	审核日期	版号	D	标题	图号	比例	数量	1
										SIC-25A-R2 冷媒系统	SIC-25A-R2-C-ALL	1:16		
①	无	新增零件		20260203				核准		信易电热机械股份有限公司 Shini Plastics Technologies, Inc.	表面要求	/		
标记	更改前	更改后	更改人	日期	审核	日期	20200212				物料号	/		

Cooling capacity/water outlet temp. 7℃	Cooling capacity/water outlet temp. 10℃	Cooling capacity/water outlet temp. 15℃	Total power/indoor/high pressure	Chilled water inlet(inch)	Chilled water outlet(inch)	Drainage outlet(inch)	Water tank refill port (inch)	Flow rate of chilled water(L/min)	Water tank capacity(L)	Weight(kg)	Ver.
27kw	30kw	33kw	10.7/11.4kw	Rc15	Rc15	Rc1/2	Rc1/2	94.6	90	421	C

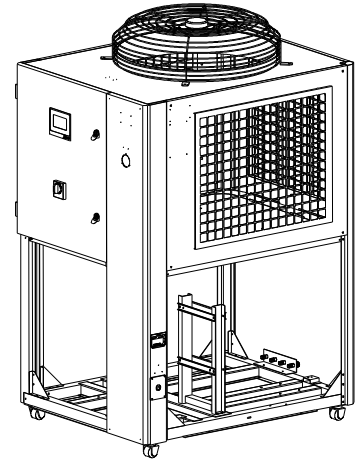
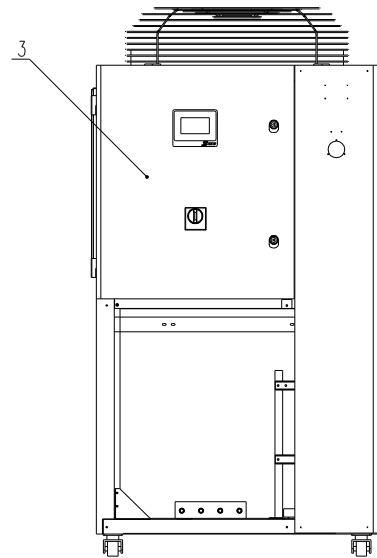
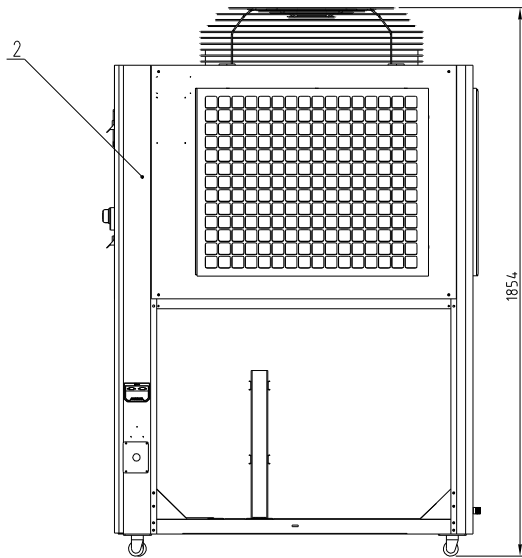
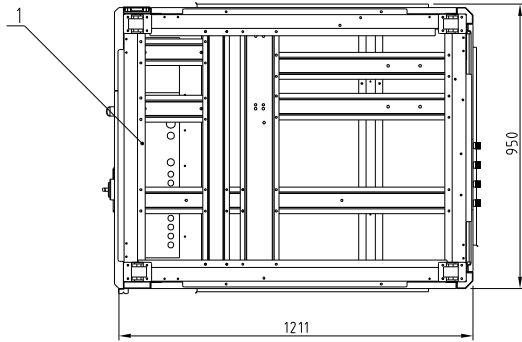


Technical Requirements

1. Connect sheet metal parts with nuts. Ensure no scratches on sheet metal and low vibration during unit operation.
2. The refrigerant system shall withstand an operating pressure of 4.2 MPa without leakage.
3. The water system shall remain leak-free under an operating pressure of 7 bar.
4. All systems shall be fully assembled and the unit exterior thoroughly cleaned.

8	YP304.32000000	Fan rotation direction label	Assembly	1	
7	SIC-33A-R2-B-ALL	Water system	Assembly	1	
6	SIC-33A-R2-A-ALL	Frame assembly	Assembly	1	
5	YW020004.000000	4-inch stainless steel tube handle (7#-10#)	SUS304	3	
4	SIC-33A-R2-C-ALL	Refrigerant system	Assembly	1	
3	YW660816.000000	Plain washer	14.0HV	18	
2	YW650080.00100	Standard spring washer	65Mn	18	
1	YW60084.000100	Hex head bolt M8x40	4.8	4	
序号	代号	名称	材质	数量	备注

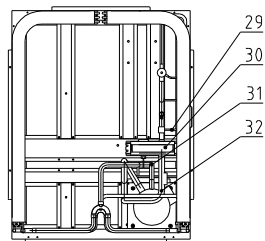
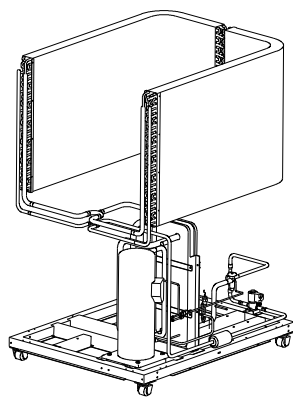
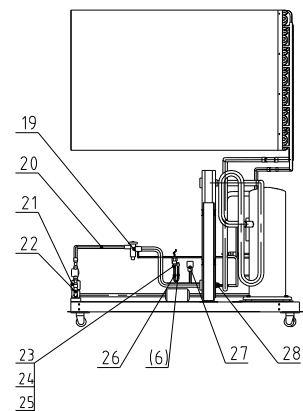
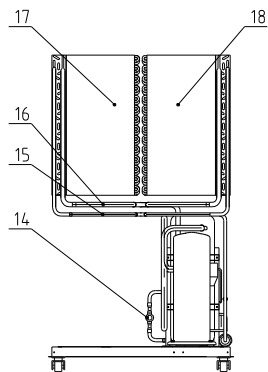
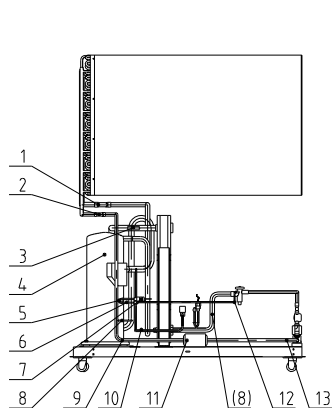
				制图	版号	1	标题	SIC-33A-R2	图号	SIC-33A-R2-ALL	比例	1:20	数量	1
				设计	核准		总装图						材质	组合件
⑪		见本图		20260120	校对								表面要求	/
标记	更改前	更改后	更改人	日期	审核	日期	20190101	SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.					物料号	/



3	SIC-33A-R2-A-ALL-03	Outer frame assembly	Assembly	1	
2	SIC-33A-R2-A-ALL-02	Upper frame assembly	Assembly	1	
1	SIC-33A-R2-A-ALL-01	Base frame assembly	Assembly	1	
序号	代号	名称	材质	数量	备注

Technical Requirements
 1. Tighten all fastening screws to specified torque, no loosening allowed.
 2. No paint peeling or scratches on exterior surfaces.

				制图		版号	J	标题	SIC-33A-R2	图号	SIC-33A-R2-A-ALL	比例	1:16	数量	1
				设计		核		机架整体组合					材质	组合件	
(J1)		见本图	20260120	校对		准			信易电热机械股份有限公司 Shini Plastics Technologies, Inc.	表面要求				/	
标记	更改前	更改后	更改人	日期	审核	日期	20190101			物料号				/	



Technical Requirements

- 1 For copper-to-stainless steel brazing, use filler metal with silver content of minimum 20%; for copper-to-copper brazing, use filler metal with 5% silver content. All components shall be installed firmly and neatly. Higher welding proficiency is required when using low-phosphorus brazing rods.
- 2 Adopt anti-oxidation protection during welding. No slag or foreign matter shall remain inside the pipeline after welding, and all brazed joints shall be smooth.
- 3 After assembly, pressurize the refrigerant system with nitrogen at 3.2 MPa for a holding test. The pressure gauge reading shall remain unchanged for 10 hours.
- 4 Wrap thermal insulation cotton around low-temperature copper pipes and evaporator surfaces.
- 5 Thermal insulation shall also be applied to temperature probes.

32	SIC-33A-R2-C-04	Compressor suction pipe	TP2M	1	
31	SIC-33A-R2-C-05	Compressor discharge pipe	TP2M	1	
30	YW87003100000	Plate evaporator HBL950-120	SUS316L	1	
29	YW51635000100	High temperature probe, stainless steel, 1/4" diameter	TP2M	1	
28	YE90000023000	Temperature probe $\phi 6 \times 50$	TP2M	1	
27	YE90042402100	Bypass solenoid valve PWF-410, 1/2"	Assembly	1	
26	YE15200300400	1/4" 90° male elbow in pressure transmitter, 316	Assembly	1	
25	YR60001100100	Pressure hose RG-01 (SHIIN)	Assembly	2M	
24	YW80716200100	Copper straight fitting for pressure sensor	Assembly	2	
23	YW80000100200	Straight fitting SMT-41 (with thimble)	Assembly	2	
22	SIC-33A-R2-C-15	Liquid inlet pipe for sight glass	TP2M	1	Option
21	YE90207500500	Liquid line solenoid valve 300B757	Assembly	1	Option
20	SIC-33A-R2-C-10	Expansion valve outlet pipe	TP2M	1	
19	YW85712500000	Expansion valve BAE7	Structural parts	1	
18	SIC-33A-R2-C-03	Right finned condenser	Structural parts	1	
17	SIC-33A-R2-C-02	Left finned condenser	Structural parts	1	
16	SIC-33A-R2-C-06	Air inlet pipes of left and right condensers	TP2M	2	
15	SIC-33A-R2-C-07	Liquid outlet pipes of left and right condensers	TP2M	2	
14	YW85001500100	Liquid sight glass HMI-1175B	Assembly	1	Option
13	SIC-33A-R2-C-14	Solenoid valve liquid inlet pipe	TP2M	1	Option
12	YS30063500000	Expansion valve equalizer tube	TP2M	1	
11	YW85016500100	Liquid line filter drier FK 16S	Structural parts	1	
10	SIC-33A-R2-C-11	Bypass valve air inlet pipe	TP2M	1	
9	SIC-33A-R2-C-08	Filter liquid inlet pipe	TP2M	1	
8	YS30063500000	Soft copper tube $\phi 6.35 \times 0.6$	TP2M	0.2	
7	YE15200500400	1/4" 90° male elbow high pressure transmitter, 316	Assembly	1	
6	YW85010400300	1/4" charging needle valve	Assembly	4	
5	YW59001400600	1/4" brass Y-fitting TP2Y	TP2M	2	
4	YM70012201600	Compressor ZP122XCE-TPD	Structural parts	1	
3	本册	Expansion valve sensing bulb	TP2M	1	
2	YW05000500900	Y-type tee (5-point)	TP2Y	1	
1	YW05000700800	Y-type tee (7-point)	TP2Y	1	

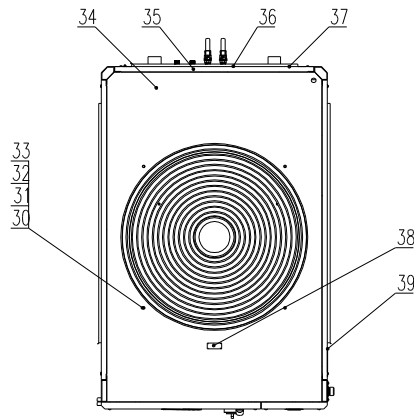
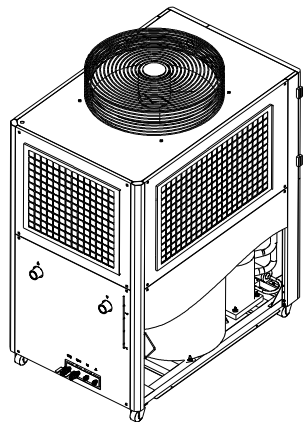
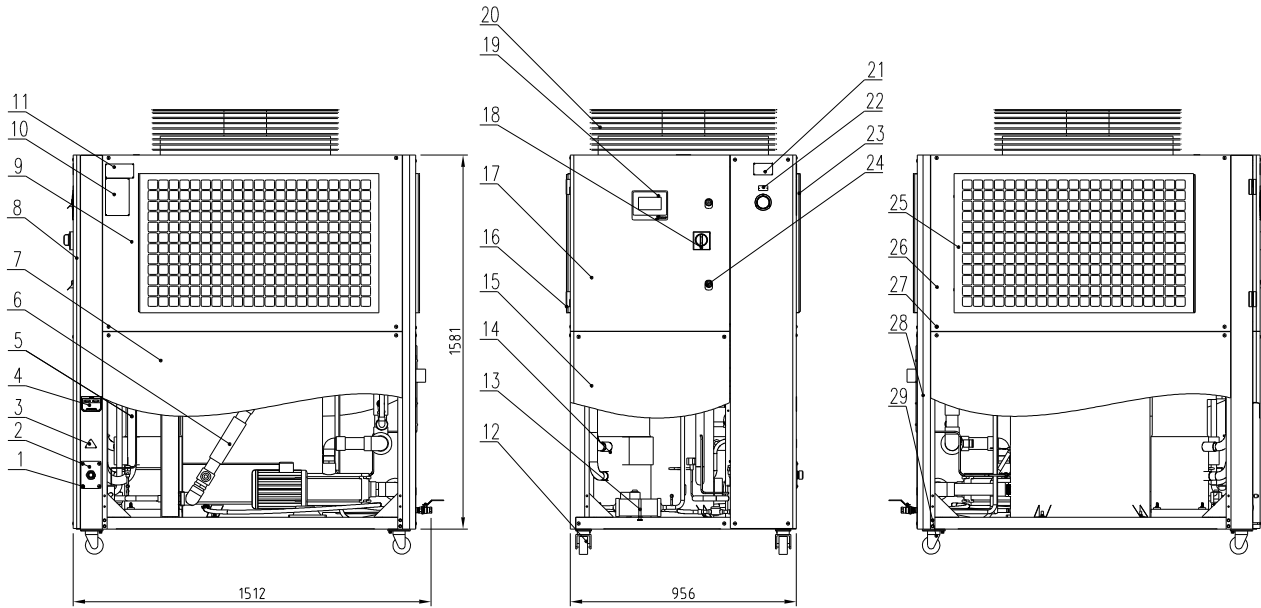
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序号	代号	名称	材质	数量	备注
		标题 SIC-33A-R2 冷媒系统	图号 SIC-33A-R2-C-ALL	比例 1:24	数量 1
(F)	无	新增零件		材质	组合件
标记	更改前	更改后	更改人	物料号	/

制图	设计	校对	审核	制图日期	设计日期	审核日期	版本
				20260122			F
							核准
							日期 20190101

SHINI 信易电热机械股份有限公司
Shini Plastics Technologies, Inc.

Cooling capacity/water outlet temp. 7(°C)	Cooling capacity/water outlet temp. 10(°C)	Cooling capacity/water outlet temp. 15(°C)	Total power/middle/high pressure	Chilled water outlet(inch)	Chilled water outlet(inch)	Drainage outlet(inch)	Water tank refill port (inch)	Flow rate of chilled water(L/min)	Water tank capacity(L)	Weight(kg)	Ver.
4.0kw	4.4kw	4.9kw	14.55/15.25kw	Rc15	Rc15	Rc1/2	Rc1/2	14.0.5	137	520	C

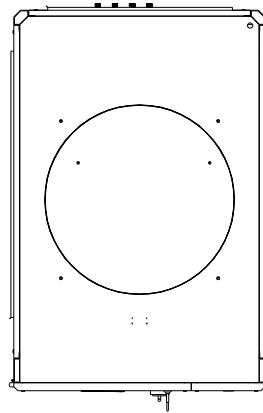
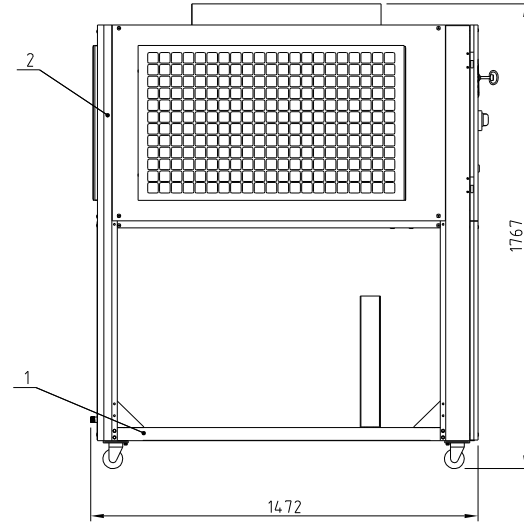
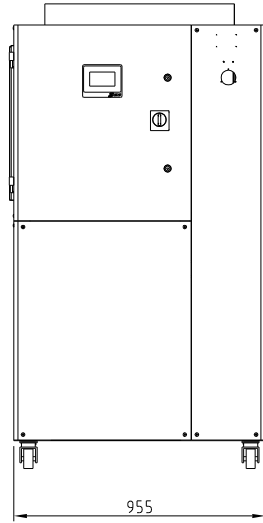


39	YW69020500000	Rivet GB/T 827 2x5		24	
38	YP30432000000	Fan rotation label	2024	1	
37	YP30352100000	Aluminum label for rear panel	2024	1	
36	SIC-49A-R2-ALL-06	Rear upper panel	SPCC15	1	
35	SIC-49A-R2-ALL-07	Rear lower panel	SPCC15	1	
34	SIC-49A-R2-ALL-08	Top plate	Welding parts	1	
33	YW64001000100	Hex nut M10	4.0	4	
32	YW66102000100	Plain washer 11x20x2	140HV	4	
31	YW65010000000	Standard spring washer 10	65Mn	4	
30	YW60102500000	Hex head bolt M10x35	12.9	4	
29	YW03000300000	3-inch black caster with foot brake	Assembly	2	
28	SIC-49A-R2-A-ALL	Complete frame assembly	Assembly	1	
27	YW62063500000	Large flat head screw M6x35	4.8	32	
26	SIC-49A-R2-ALL-03	Upper left side panel	SPCC15	1	
25	SIC-49A-R2-ALL-09	Side dust screen	PA66	2	
24	YW00816100000	Door lock (MS816)	Assembly	2	
23	SIC-49A-R2-ALL-10	Side dust screen	PA66	2	
22	YP30425000000	Pump pressure label	2024	1	
21	YP30804900700	Small aluminum angle (gray standard)	2024	1	
20	YM60671000600	Blower A6D710S-7DM-VW04	Assembly	1	
19	YE80317506700	SP317503A.01 (Ramp Controller)	Assembly	1	
18	YE41106200000	Door interlock relay	Assembly	1	
17	SIC-49A-R2-ALL-01	Front upper panel	SPCC15	1	
16	YW06203100400	Large hinge (L203-1 (Left)	Assembly	2	
15	SIC-49A-R2-ALL-02	Front lower panel	SPCC15	1	
14	SIC-49A-R2-C-ALL	Refrigerant system	Assembly	1	
13	YW02000400000	4-inch stainless steel tube bundle	SUS304	1	
12	YW03000300200	3-inch swivel caster	Structural parts	2	
11	YP31018600000	Caution label	Structural parts	1	
10	YP31115800400	Aluminum label for filler windows	Structural parts	1	
9	SIC-49A-R2-ALL-05	Upper right side panel	SPCC15	1	
8	SIC-49A-R2-A-01	Face plate	SPCC15	1	
7	SIC-49A-R2-ALL-04	Lower side panel	SPCC15	2	
6	SIC-49A-R2-B-ALL	Water system	Assembly	1	
5	SIC-49A-R2-C-ALL	Refrigerant system	Assembly	1	
4	YR40048500000	RS485 Housing Version 0	Assembly	1	
3	YP31051650000	3-phase delta power supply, 400V	Structural parts	1	
2	BL02010000020	Cable clip firing plate MS2	SPCC15	1	
1	YW62051000100	Cross recess flat head screw M6x10	4.8	4	

Technical Requirements:
1 Fasten all component screws to standard torque with no loosening.
2 The exterior shall be free of paint peeling and scratches.
3 Panels shall be easy to disassemble without interference or friction.

制图	版号	K	标题	SIC-49A-R2	图号	SIC-49A-R2-ALL	比例	1:20	数量	1
设计	核准		总装图						材质	组合件
校对	日期	20260127							表面要求	/
标记	更改前	更改后	更改人	日期	审核	日期	20190301		物料号	/

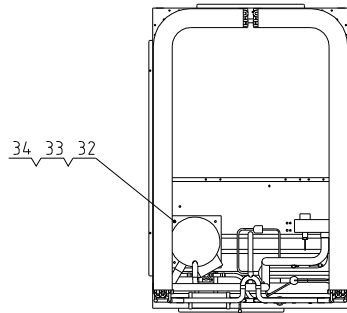
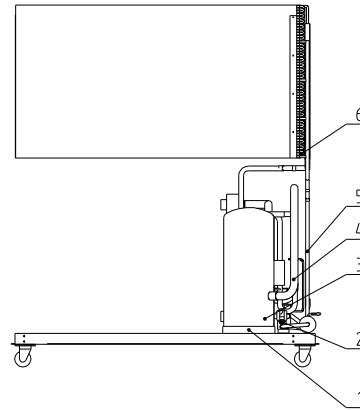
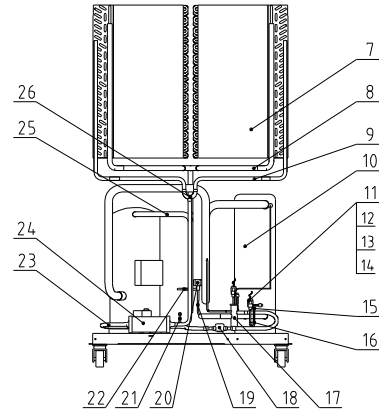
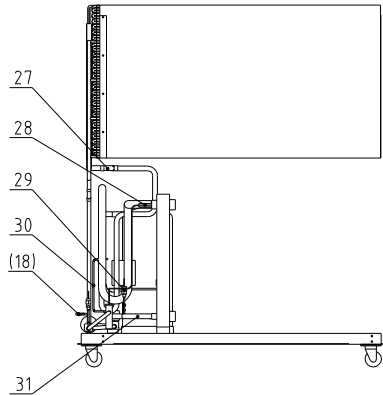




Technical Requirements
 1. Tighten all fastening screws to specified torque, no loosening is allowed.
 2. No paint peeling or scratches on external surfaces.

2	SIC-49A-R2-A-ALL-02	Upper frame assembly	Assembly	1	
1	SIC-49A-R2-A-ALL-01	Base frame assembly	Assembly	1	
序号	代号	名称	材质	数量	备注

				制图		版号	H	标题	SIC-49A-R2	图号	SIC-49A-R2-A-ALL	比例	1:18	数量	1
				设计		核准		机架整体组合						材质	组合件
(H)		见本图	20260127	校对		核准			信易电热机械股份有限公司 Shini Plastics Technologies, Inc.	表面要求				/	
标记	更改前	更改后	更改人	日期	审核	日期	20190301			物料号				/	



Technical Requirements

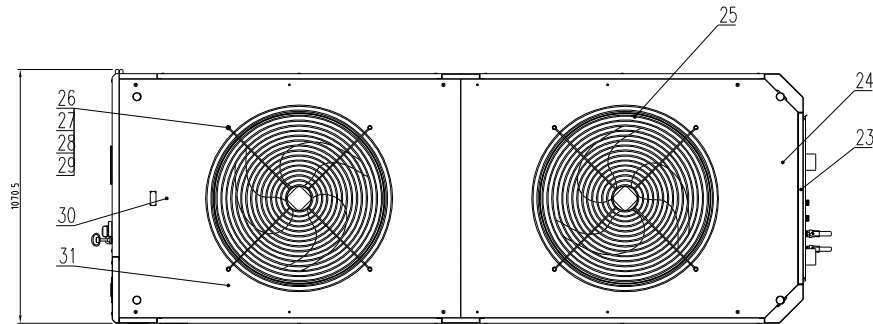
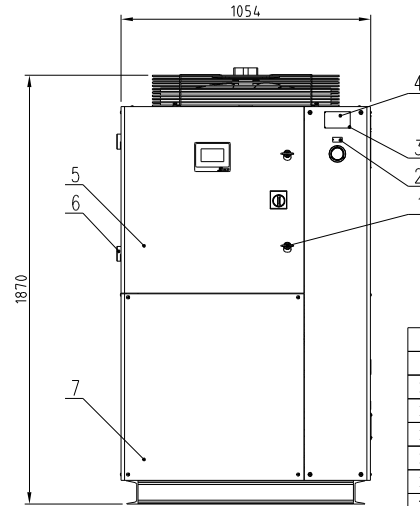
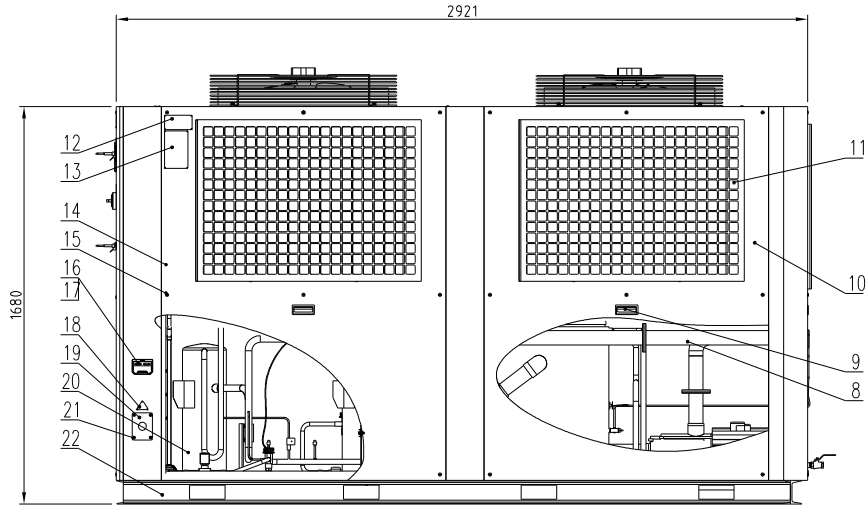
1. Use brazing filler metal with silver content of no less than 20% for copper-to-stainless steel joints, and 5% silver content for copper-to-copper joints. All components shall be installed firmly and neatly. Low-phosphorus brazing rods require superior welding skills.
2. Take anti-oxidation measures during welding. No slag or foreign debris shall remain inside pipelines after welding, and all brazed joints shall be smooth.
3. After assembly, pressurize the refrigerant system with nitrogen at 3.2 MPa for a 10-hour pressure holding test. The pressure gauge reading shall stay constant throughout the test.
4. Wrap thermal insulation cotton on low-temperature copper pipes and evaporator surfaces.
5. Thermal insulation shall also be applied to temperature probes.

34	YW66082200100	Large flat rubber O-ring G3/750 (G.532X2)	14.0HV	4	
33	YW65008000100	Standard spring washer G3/753 8	65Mn	4	
32	YW60085000000	Hex head bolt G3/7573 M5x50-8.8	4.8	4	
31	SIC-49A-R2-C-10	Expansion valve outlet pipe	TP2M	1	
30	YS30063500000	Expansion valve equalizer tube	TP2M	0.5	
29	YE152003004.00	1/4" 90° brass elbow for pressure transducer, 1-20	Structural parts	1	
28	本相	Sensing bulb	Assembly	1	
27	YW05000700800	7-point brass Y-tee	TP2Y	1	
26	YW05000500900	5-point brass Y-tee	TP2Y	1	
25	SIC-49A-R2-C-05	Compressor discharge pipe	TP2M	1	
24	YW85030500100	Liquid line filter drier D23065	Assembly	1	
23	SIC-49A-R2-C-09	Filter liquid outlet pipe	TP2M	1	
22	SIC-49A-R2-C-11	Bypass valve air inlet pipe	TP2M	1	
21	YS30063500000	Soft copper tube $\phi 6.350.6$	TP2M	0.5	
20	YE900624.02100	Bypass solenoid valve PFP-6442	Assembly	1	
19	SIC-49A-R2-C-12	Bypass valve air outlet pipe	TP2M	1	
18	YW85001500100	Liquid sight glass DM1-1775	Assembly	1	Option
17	YW85125800000	Expansion valve TRS G2 2MA, 5/8" 7/8"	Assembly	1	
16	YW590014.00600	1/4" brass Y-fitting	TP2Y	2	
15	YW850104.00300	1/4" charging needle valve (for R410A)	Assembly	4	
14	YR60001100100	Pressure hose RP-01 (SHINII)	Assembly	2M	
13	YW80716200100	Copper straight fitting for pressure sensor	Assembly	2	
12	YW80000100200	Straight fitting S27-01 (with O-ring)	Assembly	2	
11	YE152005004.00	1/4" 90° brass elbow for pressure transducer, 1-20	Structural parts	1	
10	YW874.901000000	Plate evaporator SIC-49A-R2-C-01	Assembly	1	
9	SIC-49A-R2-C-07	Liquid outlet pipes of left and right condensers	TP2M	1	
8	SIC-49A-R2-C-06	Air inlet pipes of left and right condensers	TP2M	1	
7	SIC-49A-R2-C-03	Right condenser	Assembly	1	
6	SIC-49A-R2-C-02	Left condenser	Assembly	1	
5	SIC-49A-R2-C-08	Filter liquid inlet pipe	TP2M	1	
4	SIC-49A-R2-C-04	Compressor suction pipe	TP2M	1	
3	YM70018200000	Copeland compressor 2P162002-TP	Assembly	1	
2	YE90207500500	Liquid line solenoid valve 20087157	Assembly	1	Option
1	YE90715202500	Crankcase heater belt	Assembly	1	

①
②
③

序号	代号	名称	材质	数量	备注
		标题 SIC-49A-R2 冷媒系统	图号 SIC-49A-R2-C-ALL	比例 1:22	数量 1
①	无	新增零件	20260127	设计	校核
②	更改前	更改后	更改人	日期	审核
③	标记	更改前	更改后	更改人	日期
SHINI 信易电热机械股份有限公司 Shini Plastics Technologies, Inc.			表面要求	/	
			物料号	/	

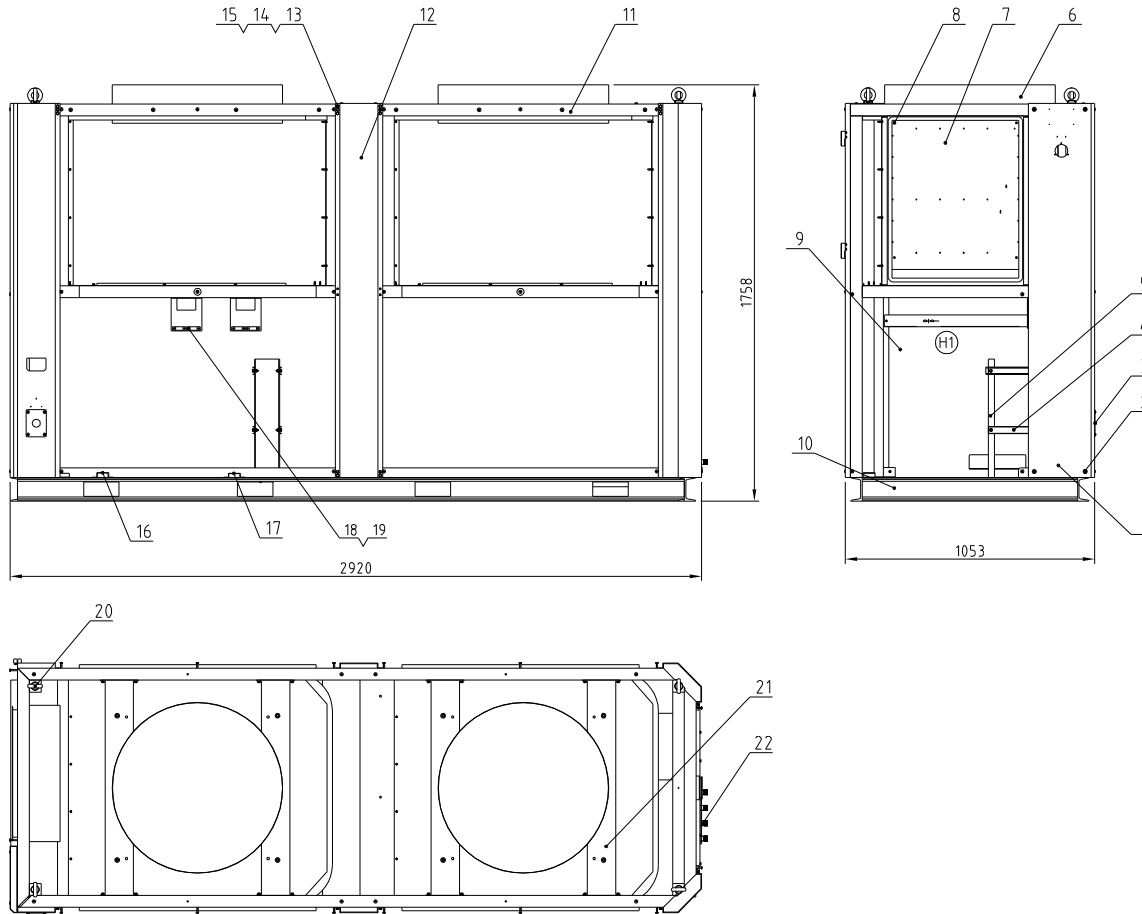
Cooling capacity/water outlet temp. 7(°C)	Cooling capacity/water outlet temp. 10(°C)	Cooling capacity/water outlet temp. 15(°C)	Total power(middle/high pressure)	Chilled water inlet(tch)	Chilled water outlet(tch)	Drainage outlet(tch)	Water tank refill port (tch)	Flow rate of chilled water(L/min)	Water tank capacity(L)	Weight(kg)	Ver
52kw	56kw	66kw	21.4/22.4kw	Rc2	Rc2	Rc1/2	Rc1/2	189.2	137	910	C



31	SIC-66A-R2-ALL-06	Front top panel	SPCC15	1	
30	YP30432000000	Fan rotation direction label	2024	1	
29	YW64001000100	Hex nut M10	4.0	4	
28	YW66102000100	Plain washer 11x20x2	14.0HV	4	
27	YW65010000000	Standard spring washer 10	65Mn	4	
26	YW60102500000	Hex head bolt M10x35	12.9	4	
25	YM60671000600	Blower A6D710S-7DM-VW04	Assembly	2	
24	SIC-66A-R2-ALL-07	Rear top panel	SPCC15	1	
23	SIC-66A-R2-ALL-04	Rear panel assembly	SPCC15	1	
22	SIC-66A-R2-A-ALL	Complete frame assembly	Assembly	1	
21	YW62051000100	Cross recess flat head screw M6x10	4.8	4	
20	SIC-66A-R2-C-ALL	Refrigerant system	Assembly	1	
19	BL50290000020	Cable clamp firing plate PC39	SPCC15	1	
18	YP310516500000	3-phase delta power supply, 400V	Structural parts	1	
17	YR40048500000	RS485 enclosure Version 0	Assembly	1	
16	YE90048501200	Communication interface board S-485	Assembly	1	
15	YW62063500000	Large flat head screw M6x35	4.8	4.6	
14	SIC-66A-R2-ALL-02	Right front side panel assembly	SPCC15	1	
13	YP31115800400	Aluminum label for chiller maintenance	Structural parts	1	
12	YP31018600000	Caution label	Structural parts	1	
11	SIC-66A-R2-ALL-01/02	Side dust screen	PA66	4	
10	SIC-66A-R2-ALL-03	Right rear side panel assembly	SPCC15	3	
9	YR40914040000	Plastic trapezoidal handle 90x40	Assembly	5	
8	SIC-66A-R2-B-ALL	Water system	Assembly	1	
7	SIC-98A-R2-ALL-02	Front lower panel	SPCC15	1	Borrowed
6	YW06203100400	Large hinge CL203-1 (Left)	Assembly	2	
5	SIC-98A-R2-ALL-01	Front upper panel	SPCC15	1	Borrowed
4	YP30804900700	Small aluminum angle plate (Group standard)	2024	1	
3	YW69020500000	Rivet GB/T 827 2x5	4.8	27	
2	YP30425000000	Pump pressure label	2024	1	
1	YW00816100000	Door lock (MS816)	Assembly	2	
序号	代号	名称	材质	数量	备注

Technical Requirements
 1. Tighten all fasteners to specified torque with no loosening.
 2. No paint peeling or scratches on exterior surfaces.
 3. Panels shall be easy to disassemble without interference or abrasion.

				制图	版号	J	标题	SIC-66A-R2	图号	SIC-66A-R2-ALL	比例	1:20	数量	1	备注
				设计	核准		总装图						材质	组合件	
①		见本图	20260212	校对			SHINI	信易电热机械股份有限公司		表面要求					
标记	更改前	更改后	更改人	日期	审核	日期		Shini Plastics Technologies, Inc.		物料号					



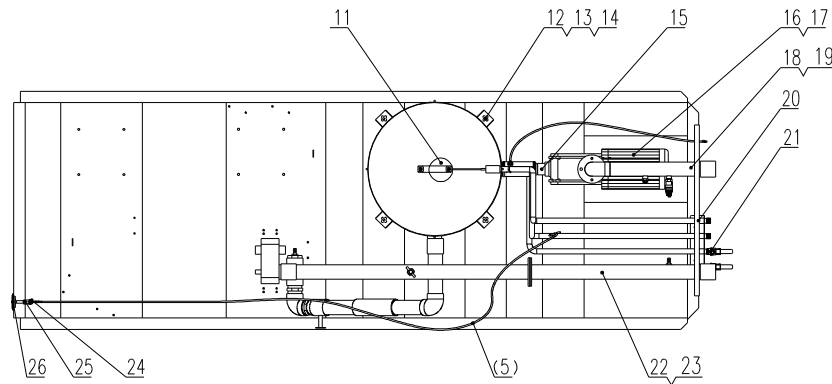
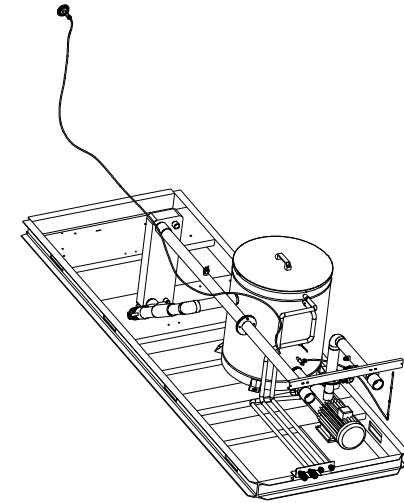
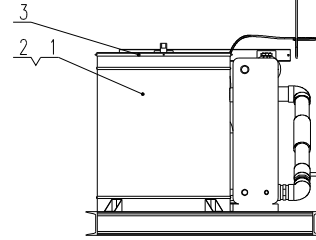
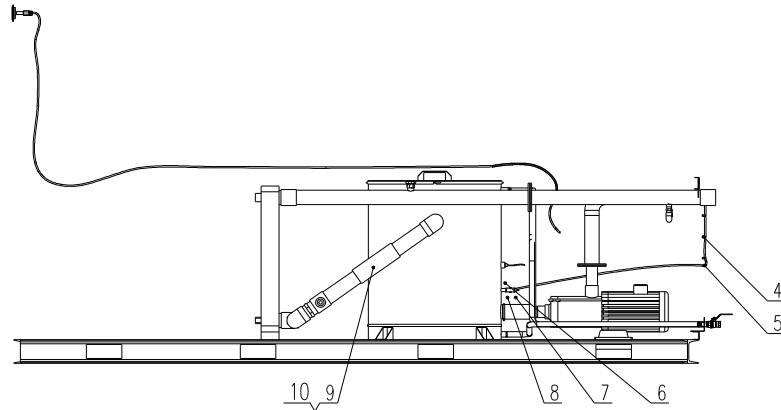
22	SIC-33A-R2-A-38	Water collector fixing plate	SPCC2.0	1	Borrowed
21	SIC-98A-R2-A-24	Blower fixing beam	SPCC3.0	4	Borrowed
20	SIC-48A-R2-A-19	Hanging column	Q235A	2	Borrowed
19	SIC-039	Sensor fixing plate	SPCC2.0	2	
18	SIC-038	Sensor clamp	SPCC15	4	
17	SIC-66A-R2-A-15	Sight glass fixing beam	SPCC15	2	Option
16	SIC-66A-R2-A-14	Liquid line solenoid valve fixing beam	SPCC15	2	Option
15	YW66061300000	Grade A plain washer G3/16x1.6	4.8	20	
14	YW65006000100	Standard spring washer G3/16x1.6	4.8	20	
13	YW60062000100	Hex head bolt G3/16x1.6 Mx20-4.8	4.8	20	
12	SIC-98A-R2-A-05	Right middle column	SPCC3.0	1	Borrowed
11	SIC-66A-R2-A-03/03	Top right beam	Q235A	1	
10	SIC-66A-R2-A-ALL-01	Frame welding drawing	Assembly	1	
9	SIC-98A-R2-A-21	Inlet & outlet pipe fixing beam	SPCC3.0	1	Borrowed
8	SIC-66A-R2-A-09	Electric control box	SPCC15	1	
7	SIC-98A-R2-A-10	Electrical base plate	SECC15	3	Borrowed
6	SIC-66A-R2-A-08	Condenser cover plate	SPCC2.0	2	
5	SIC-66A-R2-A-04	Evaporator fixing groove	SPCC3.0	2	
4	SIC-98A-R2-A-15	Evaporator fixing beam	SPCC15	4	Borrowed
3	BL02010000020	Cable clamp fixing plate E32 36-011	4.8	1	Borrowed
2	YW62063500000	Cross cross large flat head screw JIS1111 M6x5	4.8	4	
1	SIC-98A-R2-A-01	Face plate	SPCC15	1	Borrowed
序号	代号	名称	材质	数量	备注

Technical Requirements

1. Remove burrs and flashes, and break all sharp edges.
2. Unspecified dimensional tolerances shall comply with GB/T 1804-m.
3. All sheet metal parts shall be firmly welded together.

①H3	无	新增传感器固定板		20260212	制图		版号	H	标题	SIC-66A-R2	图号		比例	1:20	数量	1
①H2	无	新增传感器固定夹		20260212	设计		核准		机架		SIC-66A-R2-A-ALL		材质	组合件		
①H1	无	取源进出水管固定新板		20260212	校对		审核						表面要求	/		
标记	更改前	更改后	更改人	日期	审核	日期	日期	2021028					物料号	/		

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Shini Plastics Technologies, Inc.

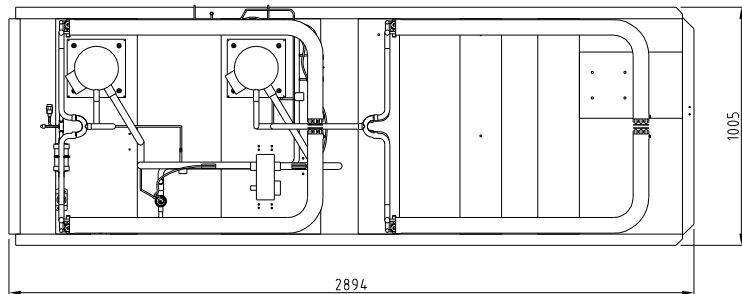
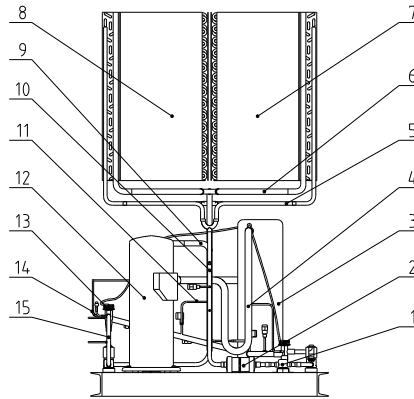
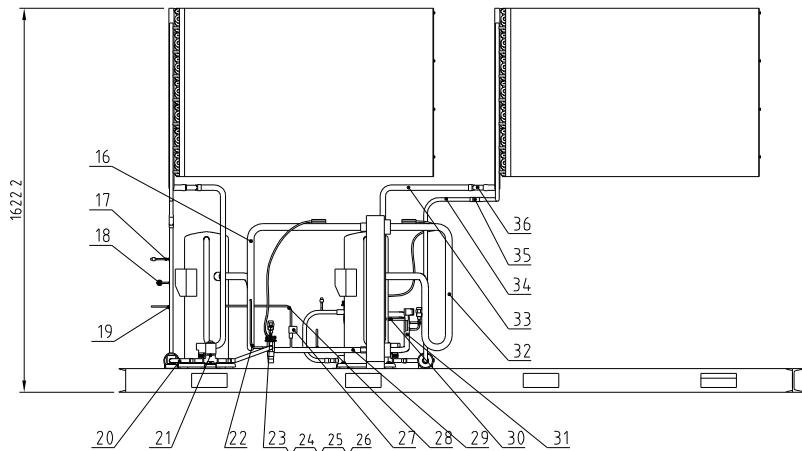


26	YW85001000100	4-16 pressure pump (star pressure pump)	Assembly	1	
25	BH12060701710	1/4" PT to 1/4" adapter	H58	2	
24	YW800614.00200	L-type quick pneumatic fitting	Assembly	2	
23	SIC-66A-R2-B-08	Optional return pipe assembly	Assembly	1	Option
22	SIC-66A-R2-B-02	Return pipe assembly	Assembly	1	
21	YW50001208200	1/2" brass ball valve (external 1/2 thread)	Assembly	2	
20	YW02182900000	Stainless steel tube bundle (18-28)	SUS303	10	
19	SIC-66A-R2-B-10	Optional outlet pipe assembly	Assembly	1	Option
18	SIC-66A-R2-B-05	Outlet pipe assembly	Assembly	1	
17	YM21125000300	Nanyuan water pump SHP12-50	Assembly	1	High pressure use
16	YM21124.000600	Nanyuan water pump SHP12-40	Assembly	1	Medium pressure use
15	SIC-66A-R2-B-04	Water suction pipe insert	SUS304	1	
14	YW66082200100	Grade C large washer 8.4	4.8	8	
13	YW65008000100	Standard spring washer 8	4.8	8	
12	YW60082000200	Hex head bolt M8×20	4.8	8	
11	YW59010200000	1/2" brass float switch	Assembly	1	
10	SIC-66A-R2-B-09	Optional plate heat exchanger outlet pipe assembly	Assembly	1	Option
9	SIC-66A-R2-B-03	Plate heat exchanger outlet pipe assembly	Assembly	1	
8	YW520104.000000	1/4" stainless steel tee	Assembly	1	
7	YE900014.00700	Temperature probe φ4×85	Assembly	2	
6	YE900016.000000	Side mounted plastic ballfill level switch, 180	Assembly	1	Option
5	YR60620000100	Transparent hose	Assembly	1	
4	YR90000022000	Cable tie	Plastic	3	
3	SIC-49A-R2-B-08	Water tank cover	SUS304	1	Borrowed
2	YP6010104.00000	Rubber-plastic thermal insulation foam	Assembly	3	
1	SIC-98A-R2-B-06	Water tank body	Assembly	1	Borrowed
序号	代号	名称	材质	数量	备注

Technical Requirements

1. Seal the joints between metal and plastic connectors with PTFE tape.
2. Use special adhesive for PVC-U pipe connections.
3. Perform a water leakage test at 0.7 MPa after assembly. No leakage is allowed.
4. Apply thermal insulation to water pipes and water tank.

				制图		版号	F	标题	SIC-66A-R2	图号	SIC-66A-R2-B-ALL	比例	1:20	数量	1
				设计		核准		水系统						材质	组合件
(F1)		见本图	20260212	校对				SHINI	信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		表面要求	/			
标记	更改前	更改后	更改人	日期	审核	日期	20211028				物料号	/			



36	YW05000700800	7-point Y-type tee	Assembly	2	
35	YW05000500900	5-point Y-type tee	Assembly	2	
34	SIC-66A-R2-C-14	Rear filter liquid inlet pipe	TP2M	1	
33	SIC-66A-R2-C-11	Rear compressor discharge pipe	TP2M	1	
32	SIC-66A-R2-C-12	Rear compressor suction pipe	TP2M	1	
31	SIC-66A-R2-C-15	Rear expansion valve liquid outlet pipe	TP2M	1	
30	YW51635000100	Liquid filter equalizing Ø14mm, oil filter tube	TP2M	2	
29	SIC-66A-R2-C-08	Front expansion valve liquid outlet pipe	TP2M	1	
28	SIC-66A-R2-C-10	Front compressor bypass pipe	TP2M	1	
27	YE90042402100	Bypass solenoid valve FDF-4A	Assembly	2	AC24V
26	YR60001100100	Pressure hose RG-01 (SHILIN)	Assembly	4M	
25	YW80716200100	Copper straight fitting for pressure sensor	Assembly	4	
24	YW80000100200	Straight fitting SZF-4L (with thinplate)	Assembly	4	
23	YE15200300400	1/8" Ø 1/8" tube steel for pressure transmitter, P-2H	Structural parts	2	
22	SIC-66A-R2-C-09	Front compressor equalizer tube	TP2M	1	
21	YE90207500500	Liquid line solenoid valve 300B7157	Assembly	2	AC24V Option
20	SIC-66A-R2-C-07	Front expansion valve liquid inlet pipe	TP2M	1	
19	YS30063500000	Copper tube Ø6	TP2M	2	
18	YE15200500400	1/8" Ø 1/8" tube steel for pressure transmitter, P-2H	Structural parts	2	
17	YW85010400300	1/4" charging needle valve (for R134a)	Assembly	4	
16	SIC-66A-R2-C-03	Front compressor suction pipe	TP2M	1	
15	SIC-66A-R2-C-14	Rear expansion valve liquid inlet pipe	Assembly	1	
14	SIC-66A-R2-C-16	Rear compressor equalizer tube	TP2M	1	
13	YW85712500000	Expansion valve BAE 7	Assembly	2	
12	YM70018200000	Copeland compressor 7F1220CE-TP9	Assembly	2	
11	SIC-66A-R2-C-17	Rear compressor bypass pipe	TP2M	1	
10	SIC-66A-R2-C-06	Front filter liquid inlet pipe	TP2M	1	
9	SIC-66A-R2-C-02	Front compressor discharge pipe	TP2M	1	
8	SIC-33A-R2-C-02	Left finned condenser	Assembly	2	Borrowed
7	SIC-33A-R2-C-03	Right finned condenser	Assembly	2	Borrowed
6	SIC-66A-R2-C-04	Condenser air inlet pipe	TP2M	4	
5	SIC-66A-R2-C-05	Condenser liquid outlet pipe	TP2M	4	
4	SIC-66A-R2-C-03	Front compressor suction pipe	TP2M	1	
3	SIC-66A-R2-C-01	Plate evaporator SIC-66A-R2-C-01	Assembly	1	
2	YW85016500100	Liquid line filter drier DLI16S	Assembly	2	
1	YW85001500100	Liquid sight glass DMI-1TTS	Assembly	1	Option

序号	代号	名称	材质	数量	备注
		标题 SIC-66A-R2 冷媒系统	图号 SIC-66A-R2-C-ALL	比例 1:20	数量 1
				材质	组合件
			表面要求		/
			物料号		/

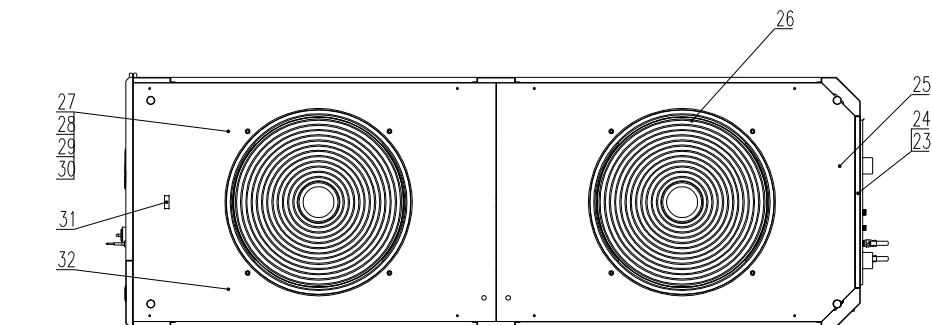
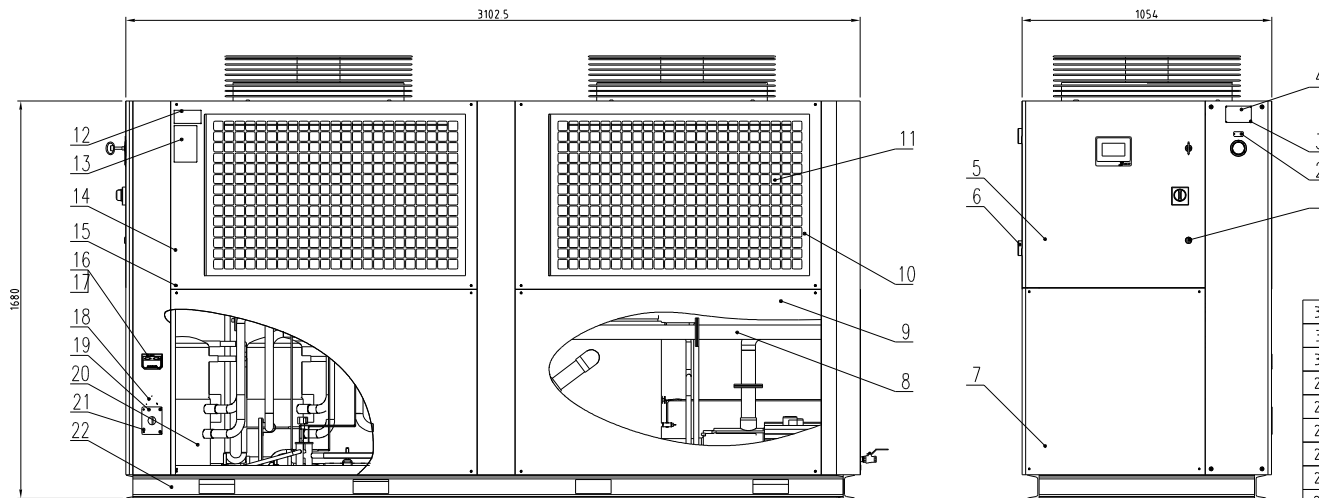
Technical Requirements

- 1 Use brazing filler metal with silver content of minimum 20% for copper-to-stainless steel joints, and 5% silver content for copper-to-copper joints. All components shall be installed firmly and neatly. Higher welding skill is required when using low-phosphorus brazing rods.
- 2 Implement anti-oxidation protection during welding. No slag or foreign matter shall remain inside the pipeline system after welding, and all brazed joints shall have smooth surfaces.
- 3 After assembly, charge the refrigerant system with nitrogen at 3.2 MPa for a pressure holding test. The pressure gauge reading shall keep unchanged within 10 hours.
- 4 Wrap thermal insulation cotton on low-temperature copper pipes and evaporator surfaces.
- 5 Thermal insulation shall also be applied to temperature probes.

制图	设计	校核	审核	日期	日期	日期	日期
				20260212			
(F1)	无	新增零件					
标记	更改前	更改后	更改人	日期	日期	日期	日期

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Cooling capacity/water outlet temp. 7(°C)	Cooling capacity/water outlet temp. 10(°C)	Cooling capacity/water outlet temp. 15(°C)	Total power(middle/high pressure)	Chilled water inlet(tonch)	Chilled water outlet(tonch)	Drainage outlet(tonch)	Water tank refill port (inch)	Flow rate of chilled water(L/min)	Water tank capacity(L)	Weight(kg)	Ver
77kw	87kw	98kw	29.1/30.1kw	Rc2	Rc2	Rc1/2	Rc1/2	281	137	1110	C

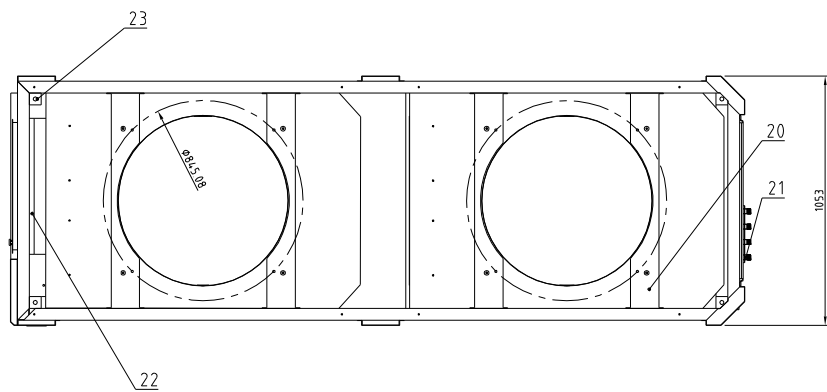
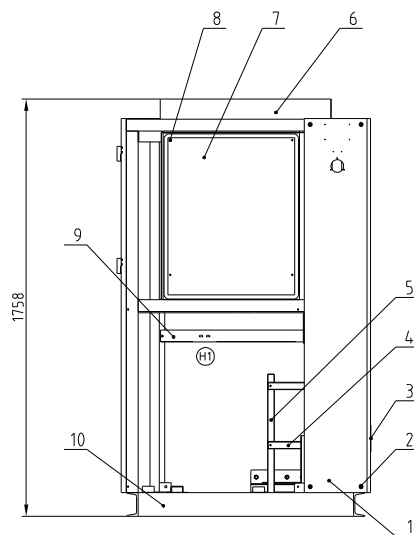
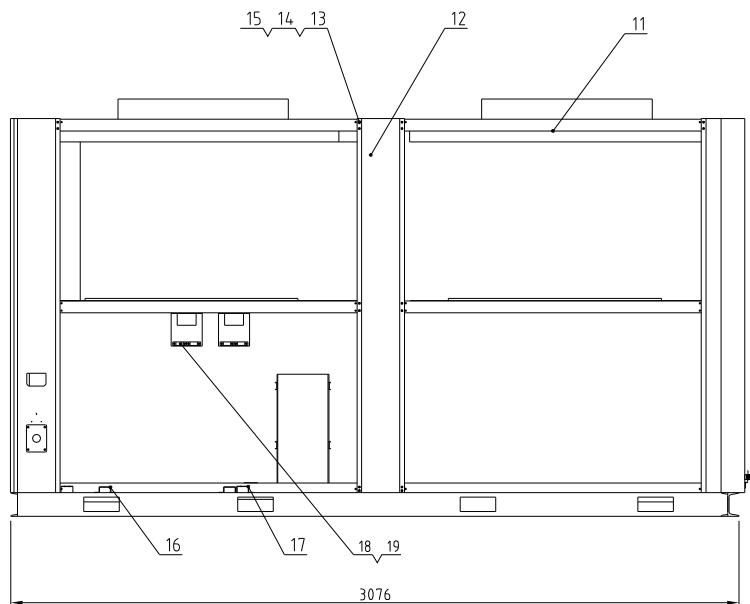


32	SIC-98A-R2-ALL-10	Front top panel	SPCC15	1	
31	YP30432000000	Fan rotation label	2024	1	
30	YW64001000100	Hex nut M10	4.0	4	
29	YW66102000100	Plain washer 11×20×2	14.0HV	4	
28	YW65010000000	Standard spring washer 10	65Mn	4	
27	YW60102500000	Hex head bolt M10×35	12.9	4	
26	YM60671000600	Blower A6D710S-TDM-VW04	Assembly	2	
25	SIC-98A-R2-ALL-11	Rear top panel	SPCC15	1	
24	SIC-98A-R2-ALL-07	Lower rear panel	SPCC15	1	
23	SIC-98A-R2-ALL-06	Upper rear panel assembly	SPCC15	1	
22	SIC-98A-R2-A-ALL	Complete frame assembly	Assembly	1	
21	YW62051000100	Cross recess flat head screw M5×10	4.8	4	
20	SIC-98A-R2-C-ALL	Refrigerant system	Assembly	1	
19	BL50290000020	Cable clamp firing plate FC39	SPCC15	1	
18	YP31051650000	3-phase delta power supply, 400V	Structural parts	1	
17	YR40048500000	RS485 enclosure Version 0	Assembly	1	
16	YE90048501200	Communication interface board S-85	Assembly	1	
15	YW62063500000	Large flat head screw M6×36	4.8	4.6	
14	SIC-98A-R2-ALL-03	Upper side panel assembly 1	SPCC15	1	
13	YP31115800400	Aluminum label for diffuser maintenance	Structural parts	1	
12	YP31018600000	Caution label	Structural parts	1	
11	SIC-98A-R2-ALL-08	Side dust screen	PA66	4	
10	SIC-98A-R2-ALL-04	Upper side panel assembly 2	SPCC15	3	
9	SIC-98A-R2-ALL-05	Lower side panel	SPCC15	4	
8	SIC-98A-R2-B-ALL	Water system	Assembly	1	
7	SIC-98A-R2-ALL-02	Front lower panel	SPCC15	1	
6	YW06203100400	Large hinge CL203-1 (Left)	Assembly	2	
5	SIC-98A-R2-ALL-01	Front upper panel	SPCC15	1	
4	YP30804900700	Small aluminum angle (Group standard)	2024	1	
3	YW69020500000	Rivet GB/T 827 2×5	4.8	27	
2	YP30425000000	Pump pressure label	2024	1	
1	YW00816100000	Door lock (MS816)	Assembly	2	

Technical Requirements

1. Tighten all fastening screws to standard torque, no loosening is permitted.
2. No paint peeling or scratches on external surfaces.
3. Panels shall be easily disassembled without interference or friction.

				制图		版号	J	标题	SIC-98A-R2	图号	SIC-98A-R2-ALL	比例	1:20	数量	1	备注
				设计		核准		总装图					材质	组合件		
①		见本图	20250701	校对					信易电热机械股份有限公司 Shini Plastics Technologies, Inc.		表面要求	/				
标记	更改前	更改后	更改人	日期	审核	日期	20211028				物料号	/				



23	SIC-48A-R2-A-19	Hanging column	Q235A	2	Borrowed
22	SIC-98A-R2-A-19	Electric control box support block	SPCC2.0	1	
21	SIC-33A-R2-A-38	Water collector fixing plate	SPCC2.0	1	Borrowed
20	SIC-98A-R2-A-24	Blower fixing beam	SPCC3.0	4	
19	SIC-039	Sensor fixing plate	SPCC2.0	2	
18	SIC-038	Sensor clamp	SPCC15	4	
17	SIC-98A-R2-A-31	Support block	SPCC15	2	Option
16	SIC-98A-R2-A-32	Sight glass fixing beam	SPCC15	2	Option
15	YW66061300000	Grade A plain washer G3/163.1.6	4.8	20	
14	YW650066000100	Standard spring washer G3/163.6	4.8	20	
13	YW60062000100	Hex head bolt G3/163.1.65X20-4.8	4.8	20	
12	SIC-98A-R2-A-05	Right middle column	SPCC3.0	1	
11	SIC-98A-R2-A-23	Top right beam	Q235A	1	
10	SIC-98A-R2-A-ALL-01	Frame welding drawing	Assembly	1	
9	SIC-98A-R2-A-21	Inlet and outlet pipe fixing beam	SPCC3.0	1	
8	SIC-98A-R2-A-09	Electric control box	SPCC15	1	
7	SIC-98A-R2-A-10	Electrical base plate	SECC15	1	
6	SIC-98A-R2-A-27	Condenser cover plate	SPCC2.0	2	
5	SIC-98A-R2-A-14	Evaporator fixing groove	SPCC3.0	2	
4	SIC-98A-R2-A-15	Evaporator fixing beam	SPCC15	4	
3	BL02010000020	Cable clamp fixing plate B23 38*40	4.8	1	
2	YW62063500000	Conc resin long flat head screw JIS1111 M4X6	4.8	4	
1	SIC-98A-R2-A-01	Face plate	SPCC15	1	
序号	代号	名称	材质	数量	备注

Technical Requirements

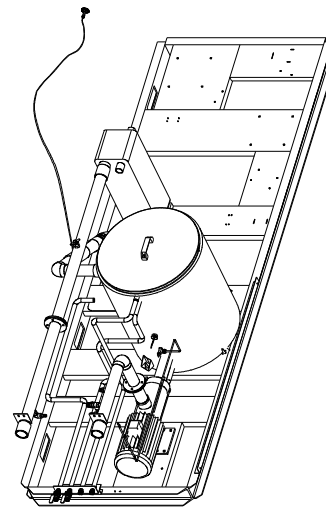
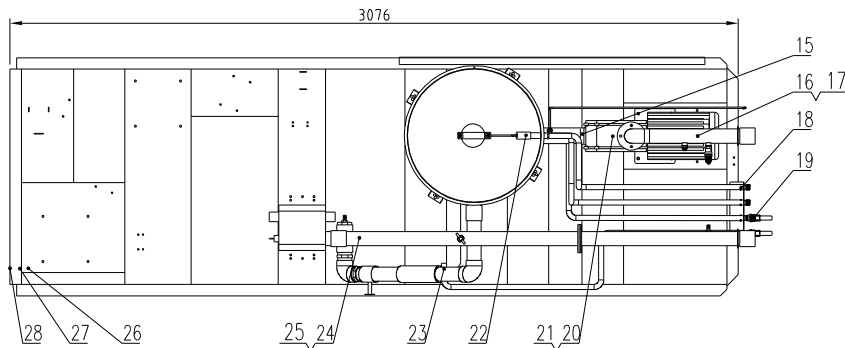
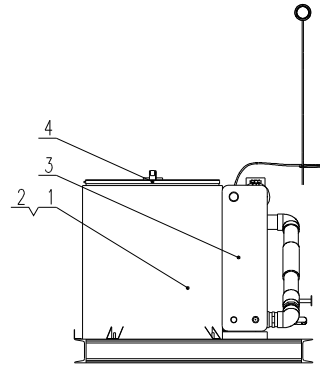
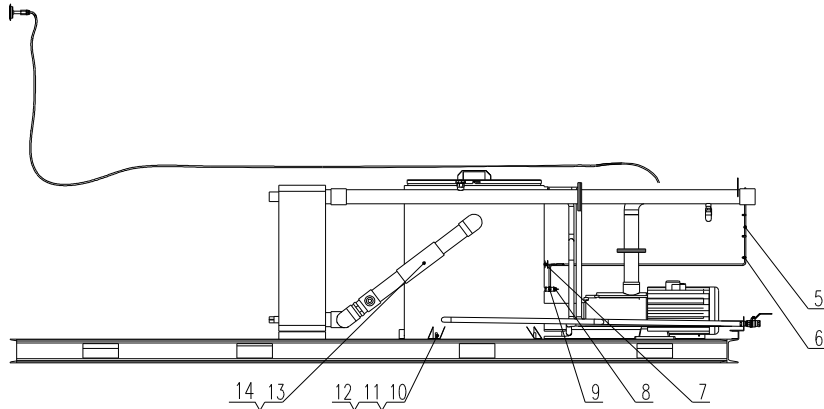
1. Fasten all screws to specified torque, no loosening allowed.
2. The exterior shall be free of paint peeling and scratches.
3. Panels shall be easy to remove without interference or abrasion.

⑬	无	新增传感器固定板		20260212	制图		版号	H	标题	SIC-98A-R2	图号	
⑫	无	新增传感器固定夹		20260212	设计		核准		机架		SIC-98A-R2-A-ALL	
⑪	无	取源进水管固定新板		20260212	校对		审核					
标记	更改前	更改后	更改人	日期	审核		日期	20211028				



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Shini Plastics Technologies, Inc.

比例	1:20	数量	1
表面要求	/		
物料号	/		



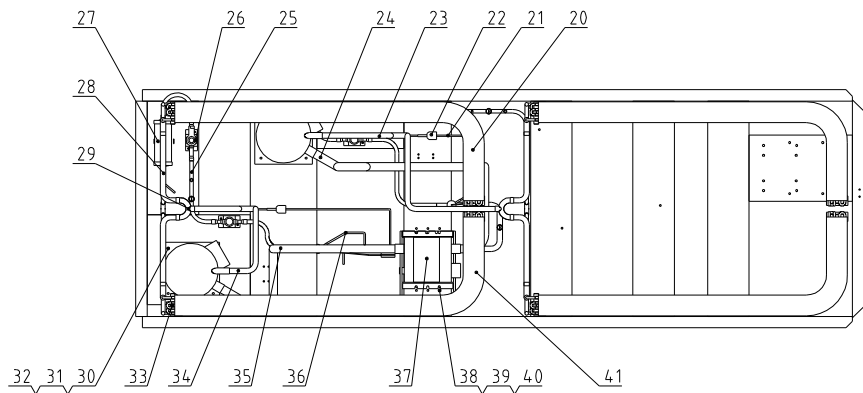
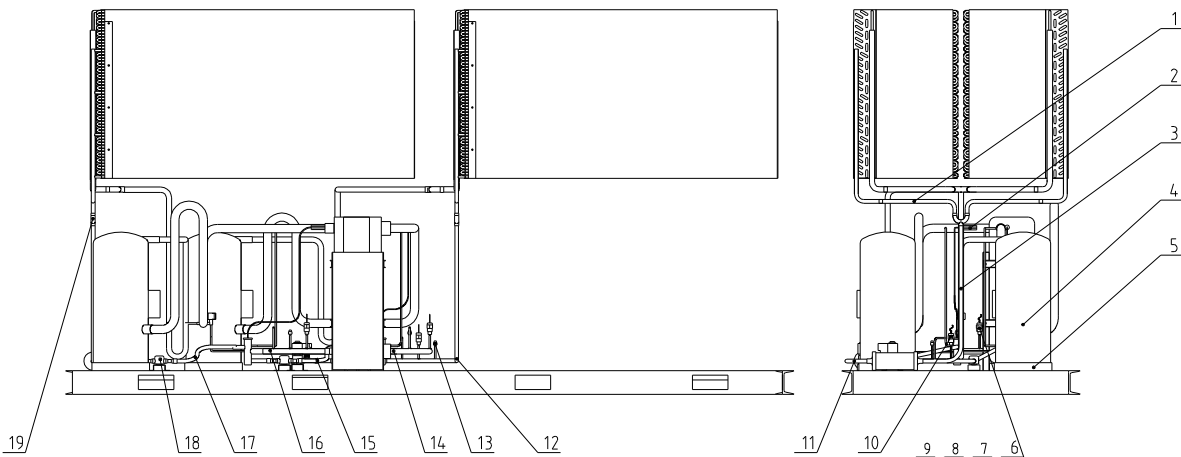
Technical Requirements

1. Wrap PTFE tape for sealing at joints between metal and plastic connectors.
2. Use special adhesive for PVC-U pipe connections.
3. Conduct hydrostatic leakage test at 0.7 MPa after assembly; no leakage is acceptable.
4. Install thermal insulation for water pipes and water tank.

28	YW800614.00200	L-type quick pneumatic connector	Assembly	2	
27	BH12060701710	1/4" PT to 1/4" adapter	H58	2	
26	YW85001000100	HMS pressure pump (water pressure pump)	Assembly	1	
25	SIC-98A-R2-B-07	Optional return pipe assembly	Assembly	1	Option
24	SIC-98A-R2-B-02	Return pipe assembly	Assembly	1	
23	YR60051000000	Wire-reinforced hose, ID 16mm, 100m	Assembly	7M	
22	YW59010200000	1/2" brass float switch	Assembly	1	
21	YM21164.0004.00	Nanyuan water pump SHP16-40	Assembly	1	High pressure use
20	YM211630014.00	Nanyuan water pump SHP16-30	Assembly	1	Medium pressure use
19	YW50001208200	1/2" brass ball valve (external G thread)	Assembly	2	
18	YW02182900000	Stainless steel tube bundle (18-28)	SUS303	8	
17	SIC-98A-R2-B-09	Optional water pump pipe assembly	Assembly	1	Option
16	SIC-98A-R2-B-05	Water pump pipe assembly	Assembly	1	
15	SIC-98A-R2-B-04	Water suction pipe insert	SUS304	1	
14	SIC-98A-R2-B-08	Optional plate heat exchanger outlet pipe assembly	Assembly	1	Option
13	SIC-98A-R2-B-03	Plate heat exchanger outlet pipe assembly	Assembly	1	
12	YW66082200100	Grade C large washer 8.4	4.8	8	
11	YW65008000100	Standard spring washer 8	4.8	8	
10	YW60082000200	Hex head bolt M8×20	4.8	8	
9	YW520104.00000	1/4" stainless steel tee	Assembly	1	
8	YE900014.00700	Temperature probe φ4×85	Assembly	2	
7	YE90001600000	Stainless plastic ball/11 ball switch, M8	Assembly	1	Option
6	YR90000022000	Cable tie	Plastic	4	
5	YR60620000100	Transparent hose	PE	15	
4	SIC-4.9A-R2-B-08	Water tank cover	SUS304	1	Borrowed
3	YW87980106000	Evaporator HBL95B-(18×18)D	SUS316L	1	
2	YP6010104.00000	Ethoxy-plastic thermal insulation foam	Assembly	3	
1	SIC-98A-R2-B-07	Water tank body	Assembly	1	

序号	代号	名称	材质	数量	备注
		制图			
		设计			
		校对			
(F1)	见本图	20260212			
标记	更改前	更改后	更改人	日期	审核
				日期	20211028
标题		SIC-98A-R2		图号	
		水系统		SIC-98A-R2-B-ALL	
		比例		1:20	数量
					1
		表面要求		材质	
				组合件	
		物料号		/	

SHINI 信易电热机械股份有限公司
Shini Plastics Technologies, Inc.



Technical Requirements

1. Use brazing filler metal with silver content of no less than 20% for copper-to-stainless steel joints, and 5% silver content for copper-to-copper joints. All components shall be installed firmly and neatly. Low-phosphorus brazing rods require proficient welding skills.
2. Take anti-oxidation measures during welding. No slag or foreign debris shall remain inside the pipeline system after welding, and all brazed joints shall be smooth.
3. After assembly, pressurize the refrigerant system with nitrogen at 3.2 MPa for a 10-hour pressure holding test. The pressure gauge reading shall remain stable throughout the test.
4. Wrap thermal insulation cotton around low-temperature copper pipes and the surface of the evaporator.
5. Thermal insulation shall also be applied to temperature probes.
6. Mount the temperature probes as close to the evaporator outlet as possible. Arrange the connecting pipes in coils for a tidy appearance.

41	SIC-49A-R2-C-03	Right condenser	Assembly	1	Borrowed
40	YW66061300000	Grade A plain washer 6	4.8		
39	YW65006000100	Standard spring washer 6	4.8		
38	YW60062000100	Hex head bolt M6×20	4.8		
37	YW87981200000	Plate evaporator SIC-98A-R2-C-01-0	Assembly	1	
36	YS30063500000	Expansion valve equalizer tube	TP2M	0.5	
35	SIC-98A-R2-C-02	Suction pipe	TP2M	1	
34	SIC-98A-R2-C-03	Discharge pipe	TP2M	1	
33	YW67481900000	Cross recess pan head self-drilling screw	4.8	8	
32	YW66082200100	Grade C large washer 6/19.6 (R.4.421X4)	14.0HV	8	
31	YW65008000100	Standard spring washer 8	65Mn	8	
30	YW60085000000	Hex head bolt 6/15.783 M6×50-8.8	4.8	8	
29	YW05000700800	7-point copper Y-tee	TP2M	2	
28	SIC-49A-R2-C-06	Air inlet pipe of left and right condensers	TP2M	2	Borrowed
27	YW85030500100	Liquid line filter drier HX3065	Assembly	2	
26	YE90207500500	Liquid line solenoid valve 20MM/15T	Assembly	2	Option
25	SIC-98A-R2-C-06	Solenoid valve liquid outlet pipe	TP2M	1	
24	SIC-98A-R2-C-12	Suction pipe 2	TP2M	1	
23	SIC-98A-R2-C-13	Discharge pipe 2	TP2M	1	
22	YE90062402100	Bypass solenoid valve PIP-6442	Assembly	2	
21	YS30063500000	Bypass valve air outlet pipe	TP2M	0.5	
20	SIC-49A-R2-C-02	Left condenser	Assembly	2	Borrowed
19	YW05000500900	5-point brass Y-tee	TP2Y	2	
18	YW85001500100	Liquid sight glass DM1-17T5	Assembly	2	Option
17	SIC-98A-R2-C-07	Sight glass liquid outlet pipe	TP2M	1	
16	SIC-98A-R2-C-08	Expansion valve air outlet pipe	TP2M	1	
15	SIC-98A-R2-C-16	Sight glass liquid outlet pipe 2	TP2M	1	
14	SIC-98A-R2-C-17	Expansion valve air outlet pipe 2	TP2M	1	
13	YW85010400300	1/4" charging needle valve (for R410A)	Assembly	8	
12	SIC-98A-R2-C-14	Filter liquid inlet pipe 2	TP2M	1	
11	SIC-98A-R2-C-05	Liquid outlet pipe of filter drier	TP2M	1	
10	YE15200500400	1/8" 90° brass head low pressure brazing, P-20	Structural parts	2	
9	YR60001100100	Pressure hose RG-01 (SHILIN)	Assembly	4M	
8	YW80716200100	Copper straight fitting for pressure sensor	Assembly	4	
7	YW80000100200	Straight fitting 027-4L (with thinplate)	Assembly	4	
6	YE15200300400	1/8" 90° brass head low pressure brazing, P-20	Structural parts	2	
5	YE90715202500	Crankcase heater (24V)	Assembly	1	
4	YM70018200000	Compressor ZP182KCE-TPD	Assembly	2	
3	SIC-98A-R2-C-04	Filter liquid inlet pipe	TP2M	1	
2	未用	Sensing bulb	Assembly	1	
1	SIC-49A-R2-C-07	Liquid outlet pipes of left and right condensers	TP2M	2	Borrowed

(E) 1
(E) 2
(E) 3

序号	代号	名称	材质	数量	备注
		标题 SIC-98A-R2 冷媒系统	图号 SIC-98A-R2-C-ALL	比例 1:20	数量 1
(E1)	无	新增零件		材质	组合件
标记	更改前	更改后	更改人	日期	审核
				日期	20211028
信易电热机械股份有限公司 Shini Plastics Technologies, Inc.					
		表面要求			/
		物料号			/