



Reliability You Trust

MONOBLOCK

Refrigeration Units



www.coldtechgroup.com



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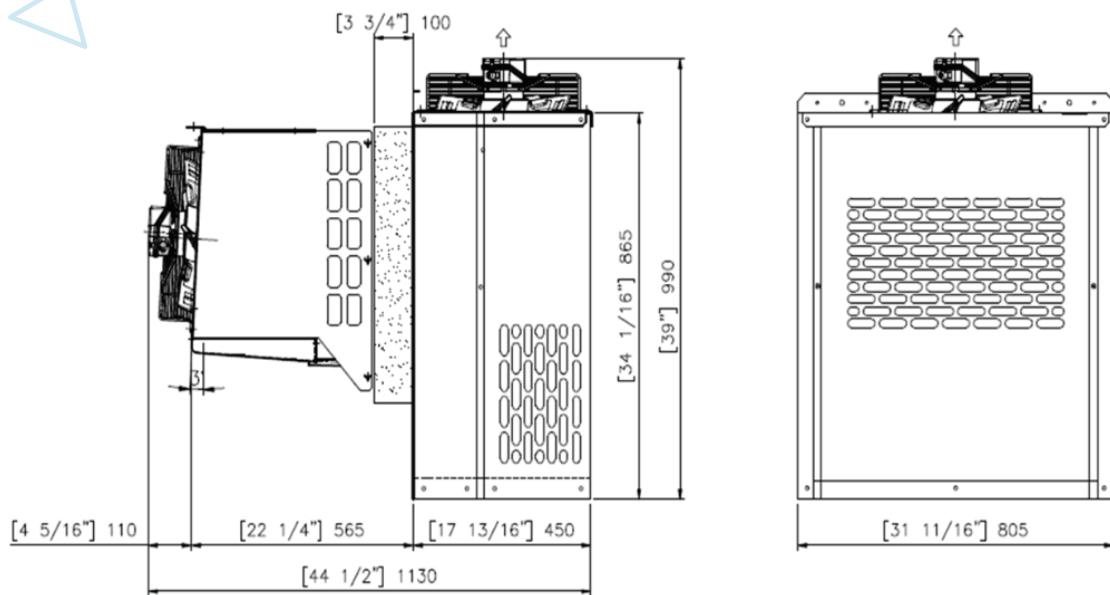
**Product Benefit &
Accessories**

Product Technology

All galvanized steel plate and spray plastic for the production of full anti-rust body;

Defrosting water self-evaporation design, without considering the installation conditions;

High precision temperature control, can meet the needs of laboratory vaccine library.



Product Overview

Wall-mount Installation



Roof-mount Installation



Nomenclature

A W 1 B M A 0 1 0 3 3

Product Family Code

A;Integral Unit **S**;Split Unit **R**;Parallel Unit
T; Plate Unit **E**; Evaporator **C**;Condenser

Installation Form Code

C;Ceiling Type **F**;Floor Type **R**;Top Type
W;Wall Mounted **T**;Through The Wall
B;Embedded Type

Purpose Code

1;Household Light Business **2**;Cold Chain Logistics **3**;Biopharmaceutical **4**;Supermarket Freezer **5**;Slaughter Processing **6**;Grain Storage **7**;Wine Cabinet Wine Cellar **8**;Car Transport

Extended Model

Extended Model English
26 Letter Logo

The Current Version No.3

Motor Standard Code

1; 208-230V/1-/60HZ
2; 200-230V/3-/60HZ
3; 220-240V/1-/50HZ
4; 230V/3-/50HZ
5; 380-400V/3-/50H&440-460V/3-/60HZ
6; 380V/3-/60HZ

Compressor Power Code

007;0.7HP **010**;1HP **015**;1.5HP **100**;10HP

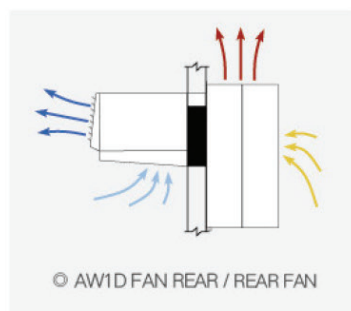
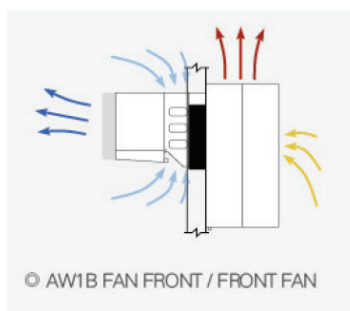
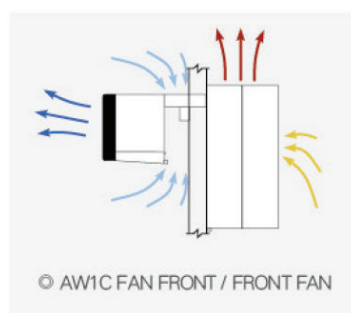
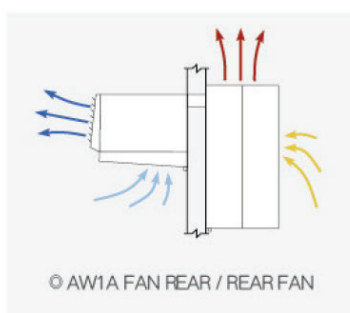
Thermal Form Code

A;Air-Cooled **W**;Water-Cooled

Application Condition Code

A; >+16°C **H**; -2-+10°C **M**; -2--20°C
L; -30--20°C **D**; <-40°C

AW1 Series



PRODUCT INFORMATION

- Exhaust air
- Air intake (room temperature)
- Return air
- Air discharge

Model	HA00832	HA01232	HA01532	HA01832	HA02532	HA03032	HA03532	HA04052
Power system	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50
Refrigerating capacity (W)	1180	1550	2160	2740	3970	5560	5360	6135
Power (HP)	0.8	1.2	1.5	1.8	2.5	3	3	4
Rated current (A)	3.6	4.7	6.1	8.1	11	15.5	5.3	7.5
Completely enclosed piston compressor	Embrace SECOP Tecumseh Cubigel HIGHLY							
Cooling form	Air cooling							
Defrosting method	Hot air defrosting							
Min storage capacity (m3)	4	8	12	21	30	39	39	52
Max storage capacity (m3)	7	11	21	34	48	65	65	94
Airframe type	W1	W2	W2	W3	W3	W4	W4	W4
Basic size LxDxH (mm)	825x450x769	1045x530x845	1045x530x845	1045x530x845	1045x620x845	1200x800x970	1200x800x970	1200x800x970
Net weight (KG)	89.6				96.4			

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A

Model	MA01032	MA01532	MA02032	MA03532	MA03552	MA04052
Power system	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50
Refrigerating capacity (W)	1240	1600	2330	3305	3215	3680
Power (HP)	1	1.5	2	3	3	4
Rated current (A)	6.1	7.5	10.3	12.9	7.1	8.4
Completely enclosed piston compressor	Embrace SECOP Tecumseh Cubigel HIGHLY					
Cooling form	Air cooling					
Defrosting method	Hot air defrosting					
Min storage capacity (m3)	2	5	9	16	16	19
Max storage capacity (m3)	4	9	23	36	36	46
Airframe type	W1	W2	W3	W3	W3	W4
Basic size LxDxH (mm)	825x450x769	1045x530x845	1045x620x845	1045x620x845	1045x620x845	1200x800x970
Net weight (KG)	89.6				96.4	

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A

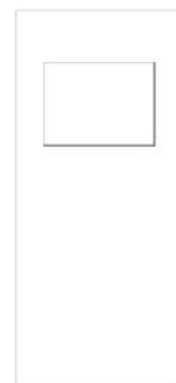


Model	BA01532	BA02032	BA03032	BA03052
Power system	220/1/50	220/1/50	220/1/50	380/3/50
Refrigerating capacity (W)	1600~2740	2300~3970	3305~5560	3215~5360
Power (HP)	1.5	2	3	3
Rated current (A)	8.1	11	15.85	7.1
Completely enclosed piston compressor	HIGHLY			
Cooling form	Air cooling			
Defrosting method	Hot air defrosting			
Min storage capacity (m3)				
Max storage capacity (m3)				
Airframe type	W2	W3	W4	W4
Basic size LxDxH (mm)	1045x530x845	1045x620x845	1200x800x970	1200x800x970
Net weight (KG)	89.6	96.4		

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A



Cross wall RW series unit opening diagram



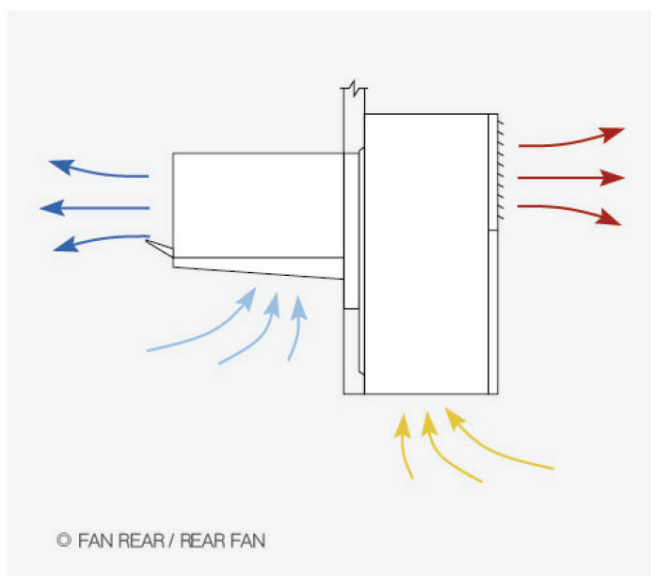
Through wall type TW series unit opening diagram

Deposition	Number	Details
Standard Version	1	Compressor
	2	Condenser
	3	Condenser screen
	4	Evaporator
	5	Fan motor
	6	Throttling device
	7	Filter dryer
	8	Solenoid valve
	9	Controller
	10	Electrical element
	11	Shell sheet metal
	12	Drainage system
	13	Hot fluorine defrosting system
	14	Freon
	15	Copper pipe

Deposition	Number	Part name	Application description
Optional accessories	1	Customize sheet metal patterns	Personalized application
	2	Outdoor accessory bag	Outdoor application
	3	Special machine	Foreign application
	4	Variable frequency compressor	Special needs
	5	Wireless light switch	Special needs
	6	Body sensing device	Fully automated operation
	7	WIFI network function	Remote monitoring
	8	4G network functions	Remote monitoring
	9	GPS positioning function	Leasing industry application
	10	Electric heater	Change the ripening library
	11	Evaporator fairing	Special for flower preservation unit
	12	Evaporator deepens the water tray	Special for flower preservation unit
	13	Cold storage lighting (with enhanced magnetic)	Convenience service
	14	Power plug	Convenience service

* Product configurations may be adjusted and changed for a variety of reasons.

AT2 Series



PRODUCT INFORMATION

- | | |
|---|---|
|  Exhaust air |  Air intake (room temperature) |
|  Return air |  Air discharge |

Model	HA01831	HA02531	HA03031	HA03051	HA04051	HA06051
Power system	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50
Refrigerating capacity (W)	2740	3970	5560	5360	6135	9160
Power (HP)	1.8	2	3	3	4	6
Rated current (A)	8.7	11.6	16.1	5.9	8.1	10.96
Completely enclosed piston compressor	Tecumseh Maneurop HIGHLY					
Cooling form	Air cooling					
Defrosting method	Hot air defrosting					
Min storage capacity (m3)	21	30	39	39	52	92
Max storage capacity (m3)	34	48	65	65	94	135
Airframe type	T1	T1	T2	T2	T3	T3
Basic size LxDxH (mm)	832x800x1095	832x800x1095	1329x889x1145	1329x889x1145	1812x889x1145	1812x889x1145

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A

Model	MA02031	MA03531	MA03551	MA04051	MA06051	MA07051
Power system	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50
Refrigerating capacity (W)	2230	3970	3215	3680	6250	6520
Power (HP)	2	3.5	3	4	6	7.5
Rated current (A)	10.8	15.6	7.6	9.5	11.2	12.6
Completely enclosed piston compressor	Tecumseh Maneurop HIGHLY					
Cooling form	Air cooling					
Defrosting method	Hot air defrosting					
Min storage capacity (m3)	9	16	16	19	43	74
Max storage capacity (m3)	23	36	36	46	87	127
Airframe type	T1	T2	T2	T2	T3	T3
Basic size LxDxH (mm)	832x800x1095	1329x889x1145	1329x889x1145	1329x889x1145	1812x889x1145	1812x889x1145

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A



Model	MA02031	MA03531	MA03551	MA04051	MA06051
Power system	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50
Refrigerating capacity (W)	2230~3970	3305~5560	3215~5360	3680~6135	6250~9160
Power (HP)	2	3	3	4	6
Rated current (A)	9.9	13.75	4.9	6.73	8.4
Completely enclosed piston compressor	Tecumseh Maneurop HIGHLY				
Cooling form	Air cooling				
Defrosting method	Hot air defrosting				
Min storage capacity (m3)					
Max storage capacity (m3)					
Airframe type	T1	T2	T2	T3	T3
Basic size LxDxH (mm)	832x800x1095	1329x889x1145	1329x889x1145	1812x889x1145	1812x889x1145

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A

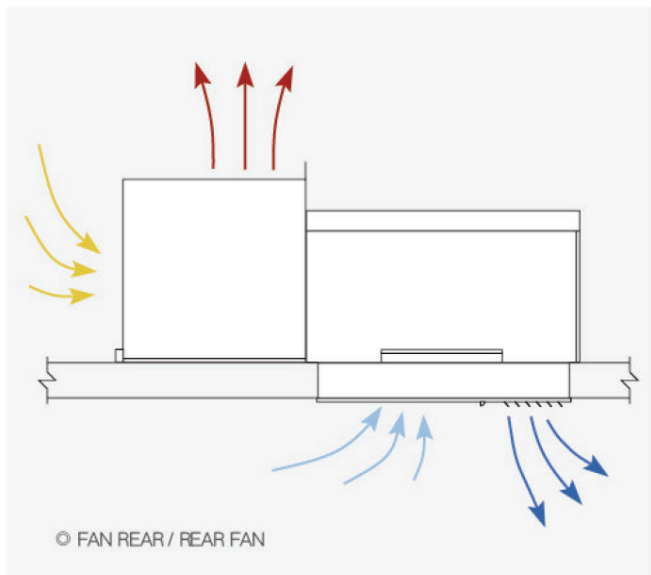


Deposition	Number	Details
Standard Version	1	Compressor
	2	Condenser
	3	Condenser screen
	4	Evaporator
	5	Fan motor
	6	Throttling device
	7	Filter dryer
	8	Solenoid valve
	9	Controller
	10	Electrical element
	11	Shell sheet metal
	12	Drainage system
	13	Hot fluorine defrosting system
	14	Freon
	15	Copper pipe

Deposition	Number	Part name	Application description
Optional accessories	1	Special machine	Foreign application
	2	Variable frequency compressor	Special needs
	3	Body sensing device	Fully automated operation
	4	WIFI network function	Remote monitoring
	5	4G network functions	Remote monitoring
	6	GPS positioning function	Leasing industry application
	7	Electric heater	Change the ripening library
	8	Humidifying tank	Humidity compensation in warehouse
	9	32A power plug	Reefer container application
	10	Unit folding support frame	Cold storage application
	14	Evaporator flange	Interior seam decoration

* Product configurations may be adjusted and changed for a variety of reasons.

AR1 Series



PRODUCT INFORMATION

- | | |
|---|---|
|  Exhaust air |  Air intake (room temperature) |
|  Return air |  Air discharge |

Model	HA(W)00832	HA(W)01232	HA(W)01532	HA(W)01832	HA(W)02532	HA(W)03032	HA(W)03052	HA(W)04052
Power system	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50
Refrigerating capacity (W)	1180	1550	2160	2740	3970	5560	5360	6135
Power (HP)	0.8	1.2	1.5	1.8	2.5	3	3	4
Rated current (A)	3.5	4.6	6	8	10.9	15.4	5.6	7.5
Completely enclosed piston compressor	Embrace SECOP Tecumseh Maneurop Cubigel HIGHLY							
Cooling form	Air cooling							
Defrosting method	Hot air defrosting							
Min storage capacity (m3)	4	8	13	21	30	39	39	52
Max storage capacity (m3)	7	12	20	34	48	65	65	94
Airframe type	R1	R2	R2	R2	R2	R3	R3	R3
Basic size LxDxH (mm)	710x620x510		1320x720x560				1320x1070x600	

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A

Model	MA(W)01032	MA(W)01532	MA(W)02032	MA(W)03532	MA(W)03552	MA(W)04052	MA(W)06052
Power system	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50
Refrigerating capacity (W)	1240	1600	2230	3305	3215	3680	6250
Power (HP)	1	1.5	2	3.5	3.5	4	5
Rated current (A)	6	7.4	10.2	13.6	6.2	8.1	9.8
Completely enclosed piston compressor	Embrace SECOP Tecumseh Maneurop Cubigel HIGHLY						
Cooling form	Air cooling						
Defrosting method	Hot air defrosting						
Min storage capacity (m3)	2	4	9	16	16	22	45
Max storage capacity (m3)	4	8	23	36	36	50	78
Airframe type	R1	R2	R2	R2	R2	R3	R3
Basic size LxDxH (mm)	710x620x510		1320x720x560				1320x1070x600

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A

Model	BA(W)01032	BA(W)01532	BA(W)02032	BA(W)03032	BA(W)03052	BA(W)04052
Power system	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50
Refrigerating capacity (W)	1240~2160	1600~2740	2230~3970	3305~5560	3215~5360	3680~6135
Power (HP)	1	1.5	2	3	3	4
Rated current (A)	6	8	10.9	15.4	6.2	8.1
Completely enclosed piston compressor	HIGHLY					
Cooling form	Air/water cooling					
Defrosting method	Hot air defrosting					
Min storage capacity (m3)						
Max storage capacity (m3)						
Airframe type	R2	R2	R2	R2	R3	R3
Basic size LxDxH (mm)	1320x720x560				1320x1070x600	

Constant temperature model - Library temperature +5°C~-5°C Ambient temperature +35°C / Library thickness 100mm/R404A



Deposition	Number	Details
Standard Version	1	Compressor
	2	Condenser
	3	Condenser screen
	4	Evaporator
	5	Fan motor
	6	Throttling device
	7	Filter dryer
	8	Solenoid valve
	9	Controller
	10	Electrical element
	11	Shell sheet metal
	12	Drainage system
	13	Hot fluorine defrosting system
	14	Freon
	15	Copper pipe

Deposition	Number	Part name	Application description
Optional accessories	1	Special machine	Foreign application
	2	Variable frequency compressor	Special needs
	3	WIFI network function	Remote monitoring
	4	4G network functions	Remote monitoring
	5	GPS positioning function	Leasing industry application
	6	Cold storage lighting (with enhanced magnetic)	Convenience service
	7	Power plug	Convenience service

* Product configurations may be adjusted and changed for a variety of reasons.



Product Benefits

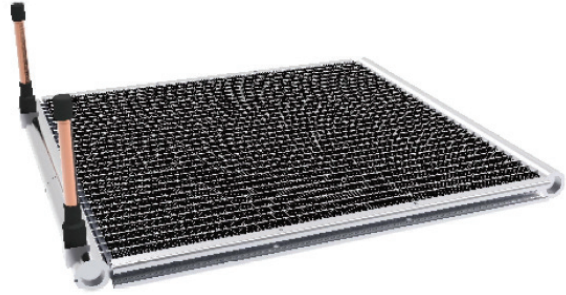


1. Select the corresponding unit model according to the required cooling space size and temperature. The system is demonstrated and designed by all parts manufacturers. Through repeated laboratory testing finalize the mass production. It has been perfected and modified by countless application cases.
2. System pipeline 3D design. By numerical control pipe bending machine batch forming and cleaning and drying, to ensure that there is no dirt in the system pipe, no chips. The whole welding process is protected by nitrogen to prevent the appearance of oxide in the pipeline.
3. Electrical component assembly and cable connection in strict accordance with the national electrical standards. Plug the terminal head and close the heat shrink tube. The line color distribution is clear and beautiful, and the line number is clearly marked. Exactly consistent with the system circuit diagram.
4. Solid materials and rigorous production. The sheet metal material is all hot-dip galvanized steel plate, the basic thickness is 1 mm. Spray all areas that may erode. The system uses only golden dragon or Hailiang copper pipe. Other materials are also from international and domestic well-known manufacturers.
5. Defrosting using hot fluorine defrosting system. Low temperature unit drain pipe built-in electric tropical. RW, TW, TT series of small units are equipped with defrosting water automatic evaporation system, defrosting water does not need to be discharged outside under normal conditions.
6. In deep cooperation with universities, many professors and doctors participated in the design, development and upgrading of control modules and systems. Real-time remote monitoring of test run in the plant of the unit status and record operating data, put forward improvement and correction plan.
7. Strict inspection standards, advanced testing instruments, perfect leak detection process, super standard test pressure and standard refrigerant filling amount.
8. All factory products have been strictly tested and archived. It can be powered on for a short time before installation, and then installed on the cold storage after it is confirmed that there is no problem.
9. Installation is simple and fast , without welding and a large number of wiring. Plug in and run. Large unit s can be installed and powered on within 2 hours. Small units do not exceed 1 hour.
10. Without professional personnel, general workers can complete the cold storage installation according to the video training. Individual users with certain hands-on ability can also achieve cold storage DIY.
11. The installation tools are simple, the entry materials are less, and ordinary transportation can be done. Easy exit.
12. The warranty period is one year, if there are quality problems within the period of replacement is not repaired.

Accessories

MICROCHANNEL CONDENSER

Microchannel, also known as microchannel heat exchanger, is the equivalent diameter of the channel in 10-1000 μ m heat exchanger. This kind of heat exchanger has several small flow channels in the flat tube, which are connected with the circular collector at both ends of the flat tube. A separator is arranged in the collector to separate the heat exchanger runner into several flows.



TOUCH SCREEN

The new series of touch-based graphic displays are designed to make interaction between the human and computer extremely simple and intuitive, as well as easier navigation between different interfaces.

FREQUENCY CONVERTER

Frequency converters can effectively improve the reliability and performance of the motor, thus reducing maintenance costs. Can effectively adjust the speed of the motor, so as to save energy costs, improve the efficiency of the motor, according to the needs of users, to achieve different speed adjustment, so as to meet the different needs of users, reduce the noise of the motor, so as to provide a quieter working environment.



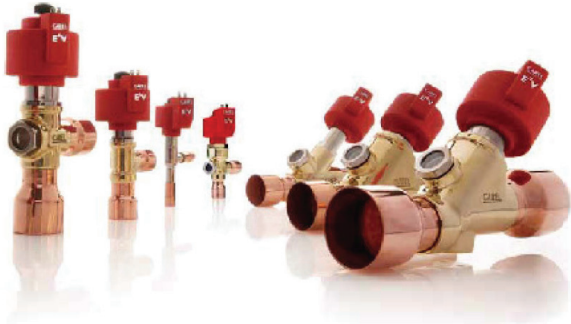
STAINLESS STEEL BODY

304 stainless steel is austenitic chromelinnickelmolybdenum stainless steel, has good corrosion resistance, machining properties and weldability, in the atmosphere and fresh water has good corrosion resistance. 304 steel is a kind of universal stainless steel material, rust resistance than 200 series of stainless steel material is stronger.



FREQUENCY CONVERTER

Built-in Wi-Fi, accessible to all mobile devices. Through the mobile device, from trial operation to routine visits to system maintenance can be fully browsed; Built-in Wi-Fi creates a network that allows user devices to access the monitoring system. No other network architecture is required.



ELECTRONIC EXPANSION VALVE

Electronic expansion valves and new EVD evolution overheating controllers provide a complete integrated solution for evaporative temperature control in air conditioning and refrigeration equipment.



Reliability You Trust

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