



Where fresh lasts

Powerful Alliance Win-win Future

PRODUCT CATALOG



FULL COLD CHAIN SOLUTION PROVIDER



Contents

About Acooler	.....	02
Refrigerated Truck	.....	04
Cold Room	.....	16
Commercial Freezer	.....	25
After-sales Service	.....	34

About ACOOLER

Company Mission

We are a full cold chain solution provider, aiming to become a leading company in cold chain industry.

Company Culture

Integrity, pragmatism, hard work, implementation, gratefulness, win-win.

Company Strategy

Build a development pattern based on the production and sales of refrigerated trucks, with cold chain storage and logistics distribution as the two wings, and strive to achieve a high-quality, high-efficiency development strategy.

Main Partners



ISUZU



AUCMA

CIMC



What we do?

ACOOLER, originated in Indonesia, established in China, based in Southeast Asia, is mainly engaged in design, sales and service of cold chain equipment, including refrigerated truck, cold storage room, and commercial refrigerators, providing one-stop service for cold chain equipment.

Why ACOOLER?

We adopt the most advanced technology and production equipment from Germany, and have established long-term and stable partnership with international well-known manufacturers to ensure high quality, low energy consumption, and long service life products. Each component can be traced from manufacturing to transportation and to installation. Before delivery, each product goes through the system matching test, refrigeration temperature test, and temperature sensitivity monitoring.

Now we have successfully entered into other Southeast Asian countries, such as the Philippines and Vietnam, due to superior products and professional service.

We will continuously serve worldwide customers with cutting-edge technology, top-quality products and satisfying service.

Refrigerated Truck



01

Vehicle Type

ACOOLER
Where fresh lasts



Air-cooled Refrigerated Truck

We offer three options for refrigeration unit, Thermo king RV series, Carrier C series and Acooler. It features sufficient cooling capacity supply, fast cooling speed, and accurate temperature control.



Product Characteristics

Strong refrigeration, can be reduced to -20°C

- Larger condenser fan and two-unit coil design
- Quick return to set temperature, especially suitable for city distribution
- Save pre-cooling time and improve work efficiency
- Strong refrigeration, always protect the safety of goods

High reliability, ultra-low failure rate

- High quality refrigeration unit
- Long Life Fan (20,000 hours)
- One-piece fan, more safe and reliable
- Highly reliable electronic control system

Beautiful appearance, compact structure, flexible and convenient installation

- Beautiful design, very industrial aesthetic
- Condensers and evaporators are easy to connect and install

Economical and convenient to use and maintain

- Optimized electrical system, easy to use
- Less refrigerant charge, more environmentally friendly and cost-effective
- The relay can be disassembled separately, which is convenient for maintenance and reduces the maintenance cost
- Ultra-low failure rate reduces downtime and maintenance costs

Some Vehicle Types

A



B



C



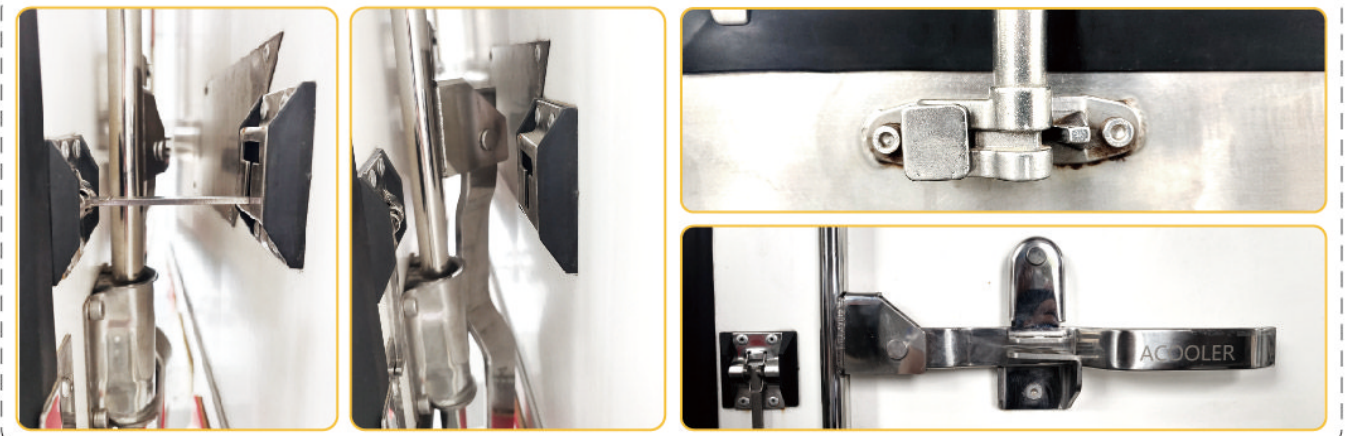
Truck Body Photos

Exterior



Door Hook

Door Lock



Interior



Items	Detailed Items	Product A (2.8m)	Product B (3.3m)	Product C (4.2m)	6.8m	9.6m
Truck Body	Outer Dimension (mm)	2800 × 1750 × 1800	3300 × 1800 × 1750	4200 × 2250 × 2050	6800 × 2600 × 2710	9600 × 2600 × 2710
	Inside Dimension (mm)	2660 × 1610 × 1620	3160 × 1660 × 1570	4036 × 2086 × 1850	6650 × 2430 × 2500	9440 × 2430 × 2500
	Floor Panel & Ceiling Panel Thickness	90mm	90mm	100mm	105mm	105mm
	Wall Panel Thickness	70mm	70mm	82mm	105mm	105mm
	Skin Layer Material	GFRP				
	Skin Layer Thickness	2.5mm				
	Floor (optional)	25mm thick great wall type aluminum guide rail				
Refrigeration Unit	Brand	Thermo King / Carrier / Acooler				
	Refrigerant	R404A				
Note	The whole body can be customized					

02

Specification





Cold Storage Refrigerated Truck

Electric refrigeration, driven by three-phase 380V electricity. Can use electricity at night when it's in a state of low power consumption. Off-peak power consumption reduces the cost.

No need to turn on the machine for refrigeration during transportation and distribution, reducing fuel consumption and engine loss.

The newly upgraded design of the integral cold storage plate reduces the weight, improves the strength, increases the heat exchange area, and improves the cooling efficiency.

The newly upgraded design of the whole cold storage formula increases the cold storage capacity by 15%, and the freezing is more powerful.

The newly designed one-piece compact layout refrigeration host will not affect the cab turning for various models.

The multiple sealing structure ensures the sealing effect and the door is easy to open.

The overall lightweight process has been improved, effectively reducing weight and saving costs.



03

Product Process



Polyurethane Thermal Insulation Material (fluorine-free)

- Compressive strength: 0.25–0.30MPa
- Thermal conductivity: 0.021w/m.k
- Closed porosity: 90%–95%
- Flame retardant grade: B2 Class



Glass Fiber

- Monofilament diameter: 11–14 μ m
- Alkali metal oxide content ≤ 0.8%
-- Alkali-free type
- Resin penetration rate 23°C (s) ≤ 100



Resin

- Bucker hardness ≥ 43
- Impact strength (KJ/M2) ≥ 13
- Compressive strength: 0.25–0.30MPa
- Elongation ratio (%) --2--



Structural Glue

- Shear Strength (MPa) ≥ 12
- Peel strength (N/mm) ≥ 4
- Curing time (h) 23°C 4–5
- Application temperature (°C) –40–90

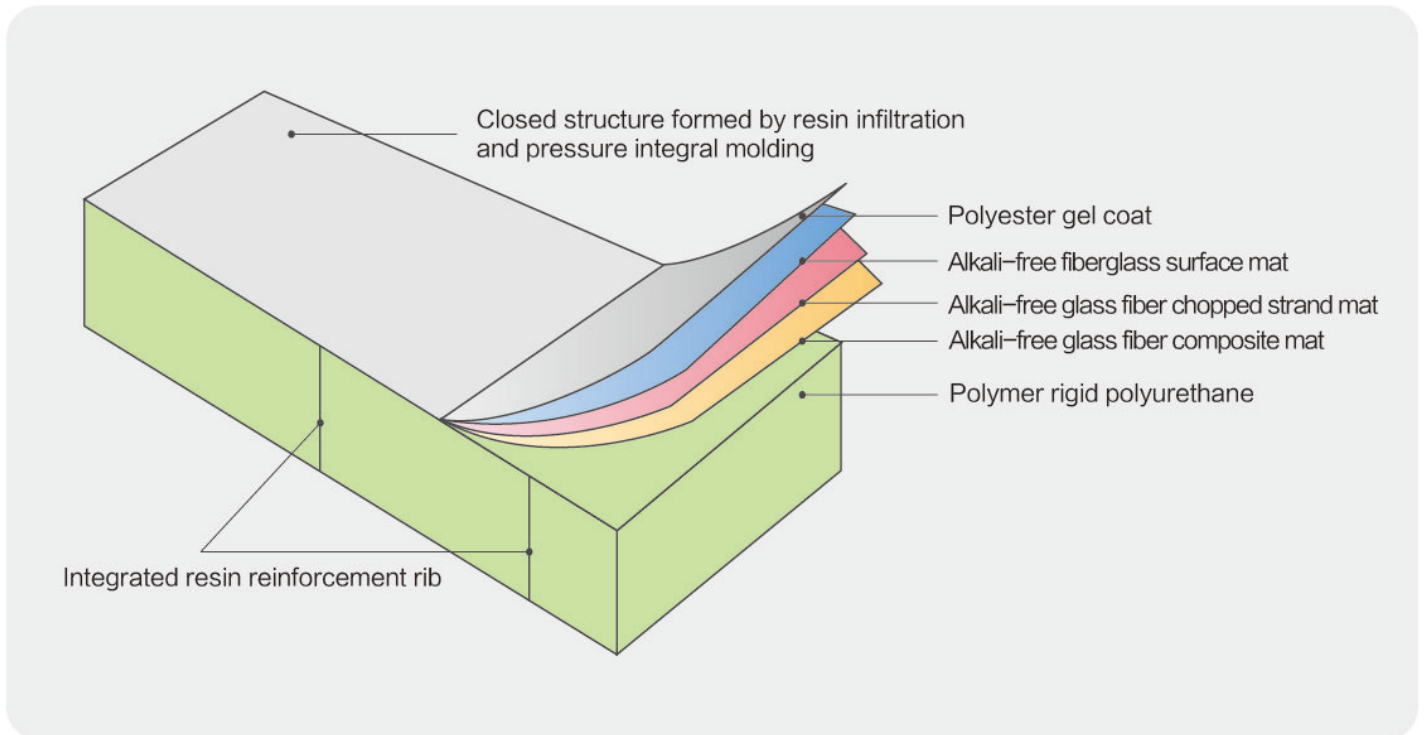
Raw Materials

Panel Producing



The skin layer, FRP, and the PU foam board are bonded by glass fiber felt soaked with unsaturated resin glue, and are heated and pressurized by the pressing machine to form a fully enclosed board at one time.

High Strength, Long Service Life



1

Macromolecule polyester material whole molding of the closed structure, corrosion resistance, service life of more than 20 years.

2

The integrated internal stiffener design greatly enhances the strength of the panel.

3

The box-type integral load-bearing structure is formed by bonding technique, and the roof can carry 2 tons per meter.



Case 3

A large ice cream manufacturer conducted a test with more than 20 trucks which were used for about 10 years and got the data below:

1. Their appearance and performance are good, constant temperature function fell by 5% compared with new trucks.
2. Investment cost is significantly reduced by replacing the chassis of the trucks and still using the original Truck body.

Light Weight, High ROI



1

Vacuum heat press the compartment boards with German imported presses, one-time molding.

2

Non-metallic framework for the fittings.

3

The weight of the box is 15 ~ 25% lighter than that of domestic similar products, which can effectively reduce the transportation cost.



Case 1

A large logistics enterprise measured 6.3m-long refrigerator truck and got the data below:

1. Its weight is 300kg lighter than that of other similar trucks manufactured in China.
2. Saved fuel surcharge about US\$4352.00 (US\$0.07 × 0.3t × 200,000km/year, saved fuel consumption US\$0.07/km/t, 200,000km/truck/year).



Case 2

To calculate the benefits analysis of weight reduction, we set the following conditions, taking the 9.6m-long refrigerated truck as an example:

1. Annual transport mileage: 120,000 km calculation, full load/no-load travel ratio of 1:1.
2. Average fuel consumption per 100km.

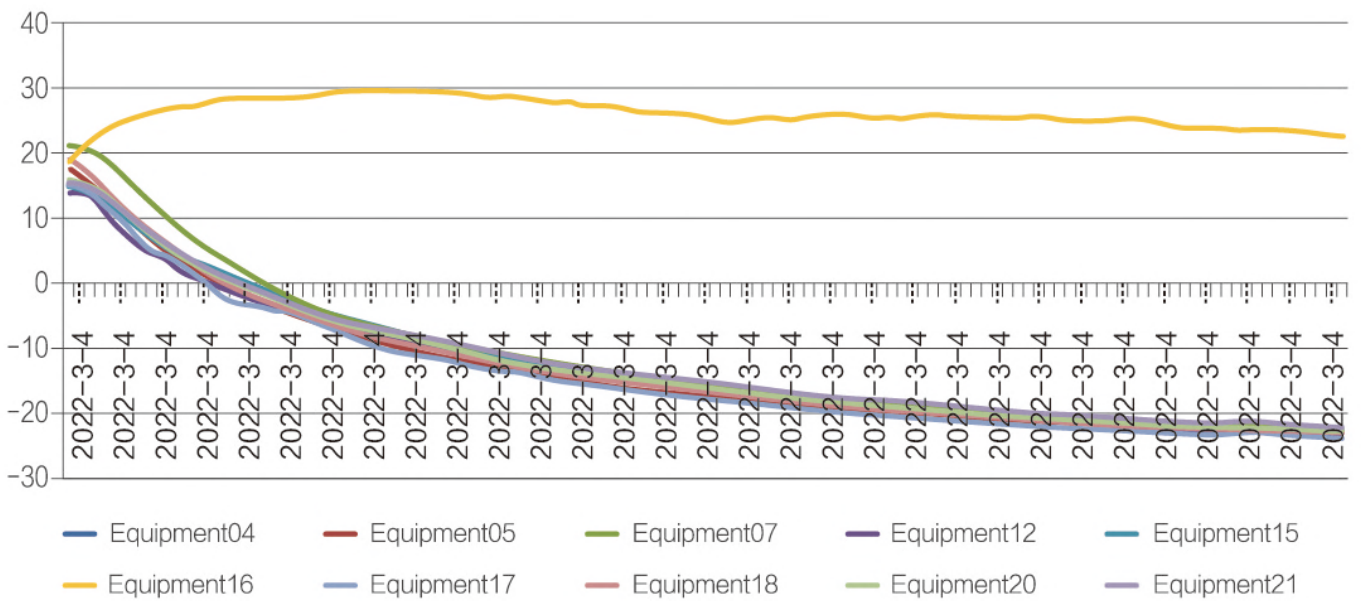
Revenue Growth Analysis

Items	Weight / Fuel	Unit of measurement	Increase income
Freight charges	Carry another 0.7 tons	US\$0.07/Ton	US\$3046.00
Save fuel	1.0L/100km		US\$335.00
Total increase		US\$3381.15	

Good Thermostatic Control Function and High Transport Quality

Take the refrigerated truck as an example

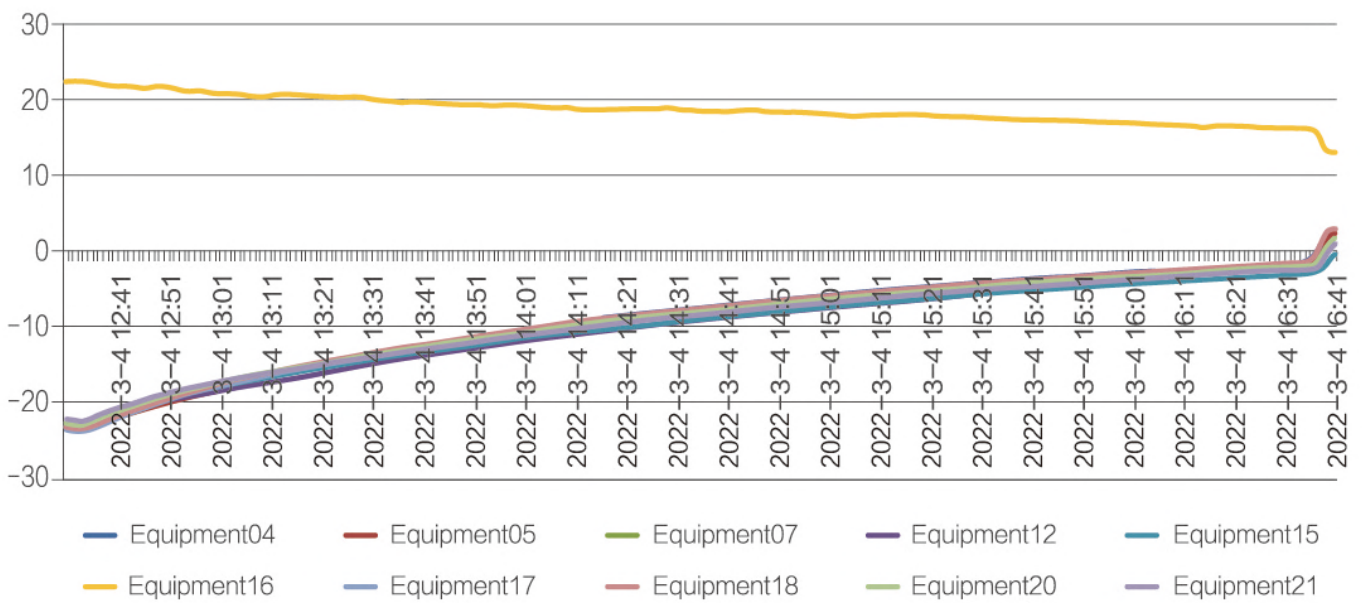
Cooling Curve



Indexes	Fall to 0°	Fall to -16°	Fall to -20°
Duration	15min	58min	86min

Take the refrigerated truck as an example

Rewarming Curve



Indexes	Keep constant temperature for 20mins	Keep constant temperature for 30mins	Keep constant temperature for 50mins	Keep constant temperature for 60mins
Initial mean temperature	-22.8°	-22.8°	-22.8°	-22.8°
Cut-off mean temperature	-19.5°	-17.8°	-15.2°	-14.1°
Rewarming mean value	3.3°	5°	7.6°	8.7°

Easy to Repair

The skin layers of the body are made of rigid-strength felt-based FRP, and its interior is made of high-density and high-strength polyurethane insulation board. Because of its unique manufacturing process and raw material characteristics, it has strong weather resistance and corrosion resistance, and can withstand acid, alkali and salt. It has a certain antibacterial performance. Its appearance can be maintained for more than 3 years without obvious changes, and the thermal insulation performance has no obvious decline for more than 20 years.

If it's damaged, it can be easily repaired. With the "equal strength repair method", the body can be restored to its original state without significant changes in strength and thermal insulation performance.

Ordinary metal-skinned panels are relatively poor in corrosion resistance, weather resistance, and toughness, and are not easy to repair after damage or plastic deformation, which seriously affects the appearance and thermal insulation performance.



All products can be customized.



Cold Room

Structure



Features

Cold room panel

Environmentally friendly material
We use fluoride-free material. Our cold room panels can reach fireproof level B2.
Good thermal insulation
polyurethane panel is foamed by high pressure with density of 38~42 kg/m³.



Cold room door

We offer sliding door, semi-buried door, double-leaf door, fully buried door, etc. many options.



Condensing unit

We use the world famous compressor like German Bitzer, American Emerson, etc.
It is easy to operate the automatic high-precision digital controller with high efficiency.



Evaporator

Good heat exchange, high heat exchange efficiency, and energy saving with excellent structural design.

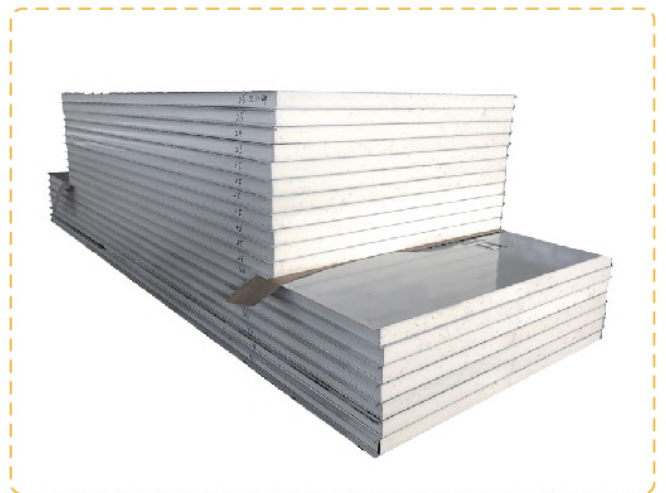


01

Air-blast Freezer



Blast freezer (-35°C to -30°C), also known as quick-freezing cold room, can freeze meat, seafood and other foods by means of air coolers or special freezing devices.



Features

- 1 The insulation panels can be disassembled into pieces which saves shipping space greatly.
- 2 The refrigeration unit works intermittently, saving a lot of electricity.
- 3 Automatic operation control: the temperature can be controlled automatically and it can defrost automatically, very simple to operate and maintain.
- 4 The cold room is equipped with simple refrigeration system, has very few fault.

Specifications

Dimension	Length, width and height all can be customized
Fireproof	Polyurethane insulation panel, 40kg/m ³ , Fire Prevention B2 Engineering Grade
Thickness of panel	Optional: 120mm, 150mm, 200mm
Steel cover of cold room	Stainless steel plates, color steel plates and embossed aluminum plates
Panel connection	Cam lock type, use hexagonal key to assemble and disassemble
Condensing unit brand	Bitzer
Refrigerant	R404A or others
Fittings of cold room	All necessary fittings are included, optional
Voltage of cold room	220V/50Hz, 220V/60Hz, 380V/50Hz optional



02

Display Cold Room with Glass Doors

Display Cold Room With Glass Doors is a new type of walk-in cold storage room, integrating display and storage functions, specially developed for offline stores, such as convenience stores and fresh supermarkets. It can keep fruits, flowers, veggies, wine, etc., fresh and reduce losses.

Application Industries



Items	Spec.
Temperature	0°C ~ 10°C
Voltage	220V / 380V / Custom
Dimension(L × W × H)	Customized
Condensing unit brand	Copeland/Bitzer
Panel thickness	100mm polyurethane
Usage of cold room	Fruits, vegetables, beer, dairy, flowers, bread, etc..
Refrigerant	R404A or others
Warranty	1 year

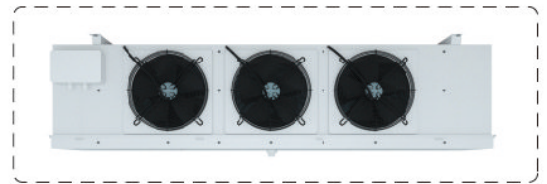
03

Fresh-keeping Cold Room for Fruits and Vegetables

The fresh-keeping cold room (-5 °C to 10°C) is mainly used to store fruits and vegetables, eggs, medicinal materials, etc..

Its temperature is generally controlled at not lower than the freezing temperature of food and juice. Its holding temperature is usually around 0°.





Features

- The insulation panels can be disassembled into pieces which saves shipping space greatly.
- The refrigeration unit works intermittently, saving a lot of electricity.
- Automatic operation control: the temperature can be controlled automatically and it can defrost automatically, very simple to operate and maintain.
- The cold room is equipped with simple refrigeration system, has very few faults.

Items	Spec.
Dimension	Length, width and height all can be customized
Fireproof	Polyurethane insulation panel, 40kg/m ³ , Fire Prevention B2 Engineering Grade
Thickness of panel	Optional: 50mm, 75mm, 100mm, 120mm, 150mm, 200mm
Steel cover of cold room	Stainless steel plates, color steel plates and embossed aluminum plates
Panel connection	Cam lock type, use hexagonal key to assemble and disassemble
Condensing unit brand	Bitzer, Copeland, etc
Refrigerant	R404A or others
Fittings of cold room	Optional: all necessary fittings are included
Voltage of cold room	Optional: 220V/50Hz, 220V/60Hz, 380V/50Hz

All products can be customized.



Commercial Freezer



Curved glass chest showcase equipped with thermometer, LED lighting, digital controller and a durable interior etc., is one of the best value ice cream freezers on the market. It enhances the visibility of prepackaged ice creams and maximizes impulse purchases in store.

01

Curved Glass Chest Showcase

Features

- New style curved glass lids
- Defrost water drain hole
- Full set of wire baskets included
- Low noise branded compressor
- Lockable castors
- Low energy consumption
- Lock & key



Options

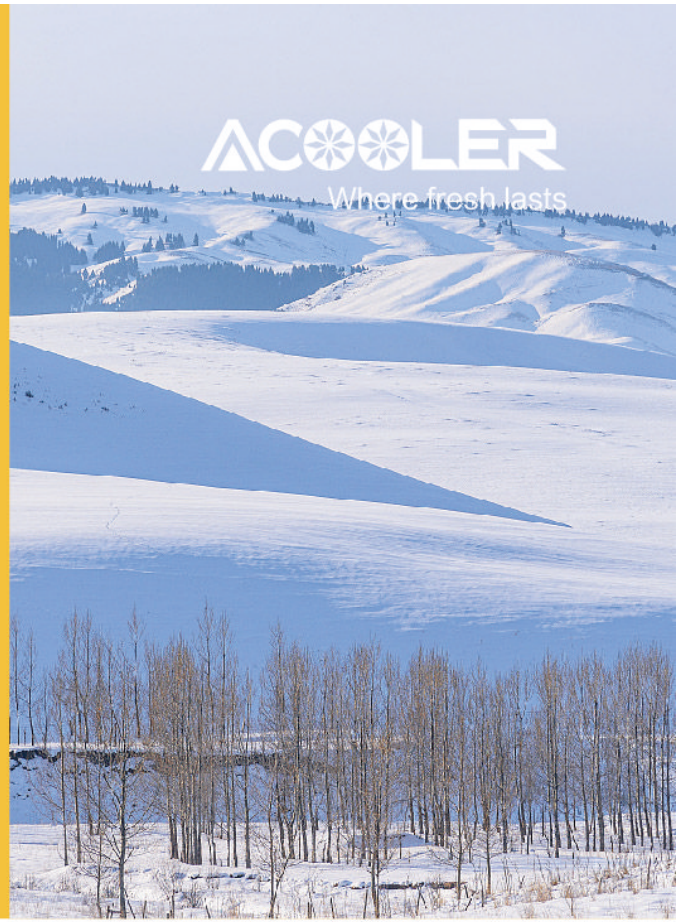
- Aluminum frame
- Internal LED lighting
- Branding sticker
- Analog thermometer or Digital thermometer
- Digital controller (Carol or Eli-tech brand)

Model	Effective Volume(L)	Temp.(°C)	Product Size - W×D×H (mm)	Inner Size - W×D×H (mm)	Baskets	Loading Qty in 40HQ
SD-228	162	-18°C~-25°C	800×695×850	655×550×575	2	126
SD-328	285	-18°C~-25°C	1044×695×850	900×550×575	3	96
SD-428	370	-18°C~-25°C	1314×695×850	1170×550×575	4	75
SD-528	480	-18°C~-25°C	1660×695×850	1520×550×575	5	60
SD-628	545	-18°C~-25°C	1870×695×850	1720×550×575	6	54

02

Hard Top Chest Freezer

Foaming door chest freezer from 200L to 1000L, 1 door and 2 doors



Features & Benefits

- High pressure foaming door for efficient temperature preservation
- Rapid freezing
- Door lock for safety storage
- Lockable castors
- Comply with a basket for convenience of allocation



Options

- 1 Digital Controller
- 2 Inner glass door
- 3 Branding sticker
- 4 LED lights
- 5 Back condenser for Climate Class T



Specifications

Model	Net Volume(L)	Temp.(°C)	Product Dimension – W×D×H (mm)	Inner Dimension – W×D×H (mm)	Door Number	Loading Qty in 40HQ
BD215	215	-18°C~-25°C	1035×610×820	911×430×609	1	120
BD388	360	-18°C~-25°C	1150×775×870	1008×543×670	1	90
BD488	470	-18°C~-25°C	1450×775×870	1308×543×670	1	72
BD688	560	-18°C~-25°C	1665×775×870	1522×543×670	2	60
BD988	660	-18°C~-25°C	1950×775×870	1808×543×670	2	54
BD1088	750	-18°C~-25°C	1857×885×870	1714×653×670	2	39
BD1188	1050	-18°C~-25°C	2547×885×870	2404×653×670	2	24

Description

We provide two versions: bottom cooling unit and top cooling unit with light canopy. We adopt world famous branded compressor and fan ensuring the excellent performance. It is also designed with sharp appearance and cutting-edge innovations, it's suitable for the most modern concept supermarket or stores. It has automatic door closing device and evaporator fan stop device reducing the loss of cooling air and saving energy. Its two/three (cooler/freezer) layer door with electric heating can prevent condensation well.



03

Upright Cooler and Freezer

Features

Perfect cooling effect and uniform temperature due to fin-type evaporator with fan

Aluminum frame door and big handle enable luxury appearance

Better insulation and energy saving with 55mm-deep foaming

Efficiently prevent condensing with $\phi 4.0 \times 0.6$ copper anti-condensing tube in the frame and heating wire in the middle column



Specifications

Model	Net Volume(L)	Temp.(°C)	Product Dimension - W×D×H (mm)	Inner Dimension - W×D×H (mm)	Shelf Qty	Cooling Method	Loading Qty in 40HQ
SC430F	430	2~8°C	630×725×2030	520×585×1569	4	Fan cooling	54
SD430F	430	≤-18°C	630×725×2030	520×585×1569	4	Fan cooling	54
SC950F	950	2~8°C	1256×725×2030	1146×585×1569	8	Fan cooling	27
SD950F	950	≤-18°C	1256×725×2030	1146×585×1569	8	Fan cooling	27
SC1470F	1470	2~8°C	1875×725×2030	1765×585×1569	12	Fan cooling	18
SD1470F	1470	≤-18°C	1875×725×2030	1765×585×1569	12	Fan cooling	18

04

Combination Freezer



This combined freezer consists of a top freezer and a bottom freezer offering a compact footprint, which particularly suitable for point of sale where space is at a premium. It's the best choice of convenient stores and super markets.

Features

- 1 2 compressor and 2 digital controllers for separate control of top and bottom cabinet
- 2 LED light for light canopy, top cabinet and bottom cabinet
- 3 Drained water evaporated automatically by heating
- 4 Top cabinet has fan-cooling and anti-defrost function, auto-defrost function is optional for bottom cabinet





Specifications

Model No.	SD1262	SD1663	SD1894
Effective Volume (L)	Top cabinet: 370L Bottom cabinet: 440L	Top cabinet: 510L Bottom cabinet: 600L	Top cabinet: 580L Bottom cabinet: 690L
Climate Class	7		
Temp.(°C)	-18°C~-25°C		
Outer Size - W×D×H(mm)	1262 × (bottom790 / top500) × 2125	1663 × (bottom790 / top500) × 2125	1894 × (bottom790 / top500) × 2125
Inner Size - W×D×H(mm)	Top cabinet: 1125 × 380 × 880 Bottom cabinet: 1125 × 660 × 600	Top cabinet: 1526 × 380 × 880 Bottom cabinet: 1526 × 660 × 600	Top Cabinet: 1756 × 380 × 880 Bottom cabinet: 1756 × 660 × 600
Compressor Qty	2 separate compressors	2 separate compressors	2 separate compressors
Controller	2 Digital controllers		
Cooling Method	Top cabinet: air-cooling method, auto defrost / bottom cabinet static cooling method		
Loading Qty in 40HQ	23	14	14

After-sales Service

Acooler provides timely, professional and comprehensive after-sales service with heart and soul for every customer.

- Comprehensive and detailed consulting services
- Fast rescue service
- Timely handle all complaints
- Care and return visits to various customers
- Sales of spare parts and maintenance of vehicles

Addresses



Headquarters

FLAT/RM 225-06, 2/F Mega Cube, No.8 Wang Kwong Road, Kowloon Bay, KLN, Hong Kong



Subsidiary in Indonesia

Add.: Jalan Perancis, pergudangan mutiara kosambi 1, blok A7 no.43 Kosambi, Tangerang, 15211, Banten



Subsidiary in the Philippines

Add.: Global Aseana Business Park 1Blk 22 Lot.7 Quezon Road Brgy.San Isidro San Simon Pampanga.



Subsidiary in the Vietnam

Add.: VP04.45 The Everrich Infinity, 290 An Dương Vương, Phường 4, Quận 5




+62 811 868 8833
+63 966 257 0666
+84 076 410 1918



acooler.cc@gmail.com

Branches

Vietnam 

 Hong Kong China

 Philippines

 Indonesia

ACCOOLER
Where fresh lasts



www.acoolerglobal.com