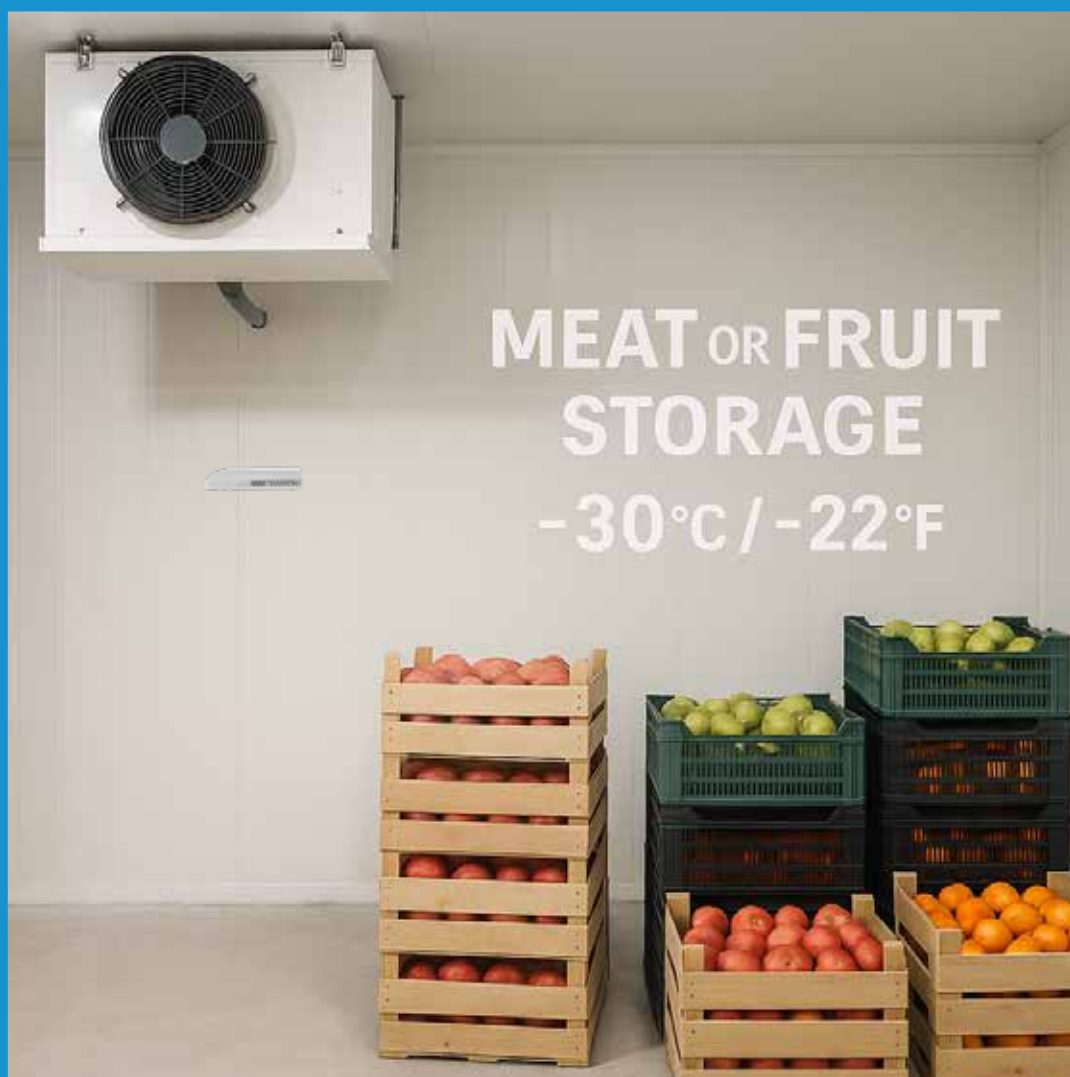


# CCU

## COMPRESSOR-CONDENSER UNIT (COLD STORAGE UNIT)





## What is a CCU?

CCU (Compressor-Condenser Unit), also known as **Cold Storage Unit**, is a temperature-controlled space designed to preserve perishable goods by maintaining low temperatures, often below freezing. These units come in various forms, from small, portable refrigerated containers to large warehouse facilities, and are used across industries like food service, pharmaceuticals, and logistics.

## Product Lineup

Unit	Indoor Unit			Outdoor Unit	
Appearance					
Capacity	5200W	10500W	15700W	26000W	39000W

## Features & Benefits

### DC Inverter Technology

**Energy Efficiency:** By operating at variable speeds, the motor only uses the power needed for the current demand, resulting in lower energy consumption.

**Cost Savings:** Reduced energy consumption translates to lower electricity bills.

**Precise Temperature Control:** Inverter systems offer more stable and accurate temperature control compared to traditional systems.

**Quieter Operation:** The ability to operate at lower speeds reduces noise and vibration.

**Extended Lifespan:** Reduced start-stop cycles can prolong the life of the motor and other components.

### EVI System

A condensing unit with EVI (Enhanced Vapor Injection) is a type of refrigeration or HVAC unit that utilizes a compressor with an EVI system. EVI technology improves the unit's efficiency and cooling capacity, particularly in low-temperature applications, by injecting vapor into the compressor at an intermediate pressure point. This results in increased cooling capacity from a smaller compressor and enhanced overall performance.

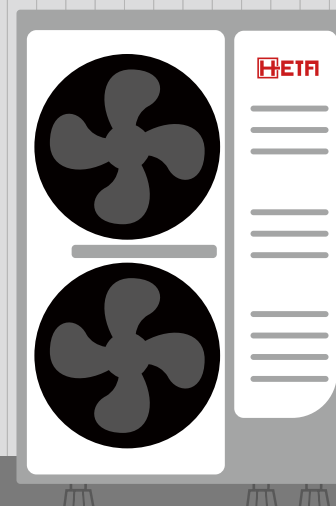
### R410a Refrigerant

**High Cooling Efficiency:** R410A enables HVAC systems to achieve better cooling and heating performance, providing more consistent and comfortable temperatures.

**Zero Ozone Depletion Potential (ODP):** Unlike older refrigerants, R410A does not contribute to ozone depletion.

**Improved System Performance:** R410A allows for higher heat transfer efficiency and greater cooling capacity, leading to better overall system performance.

**Environmental Friendliness:** While it has a higher global warming potential than some alternatives, its higher efficiency can minimize emissions, making it a more environmentally friendly choice overall.



## Ideal For

### **F**ood & Beverage Storage

- Fresh produce, fruits and vegetables
- Meat, poultry, seafood and deli products
- Dairy items (milk, cheese, yogurt)
- Frozen foods and ready-to-eat meals

### **C**hemical, Research & Industrial

- Reagents, solvents and disinfectants (to slow chemical reactions)
- Botanical specimens (flowers, plant extracts)
- Fine chemicals and specialty compounds

### **P**harmaceutical & Biotech

- Vaccines, biologics and temperature-sensitive medicines
- Blood products, IV fluids and diagnostic samples
- Specialty dental materials requiring strict temperature control

### **A**rchival & Preservation

- Historical documents, rare books and manuscripts
- Artwork, paintings and film canisters

### **S**pecialized Products

- Perishable nutritional supplements and nutraceuticals
- Cosmetics such as lipsticks, colognes and delicate formulations
- Organic textiles (fur, wool, hides)
- Craft items (e.g., candles) that can deform in heat
- High-precision components, including certain aerospace parts

## + SPECIFICATIONS

Model	LFRBF20D/VA	LFRBF40D/VA	LFRBF80S/VA	LFRBF130S/VA	LFRBF180S/VA
Power supply	220V/50Hz	220V/50Hz	380V 3N~ 50Hz	380V 3N~ 50Hz	380V 3N~ 50Hz
Cold storage range	-20℃~15℃	-20℃~12℃	-20℃~12℃	-20℃~12℃	-20℃~12℃
Horsepower	2HP	4HP	6HP	10HP	15HP
Total cooling capacity	5200W	10500W	15700W	26000W	39000W
Total power of the unit	1-3KW	1-4KW	1-8KW	1-13KW	1-18KW
Compressor type	DC Inverter EVI	DC Inverter EVI	DC Inverter EVI	DC Inverter EVI	DC Inverter EVI
Evaporation temperature range	-30℃~+20℃	-30℃~+20℃	-30℃~+20℃	-30℃~+20℃	-30℃~+20℃
Noise	52dB(A)	≤62dB(A)	≤63dB(A)	≤64dB(A)	≤65dB(A)
Refrigerant and charge amount	R410a/1500g	R410a/2600g	R410a/4000g	R410a/5200g	R410a/6500g
Liquid storage tank volume	1L	1.7L	3.1L	3.1L	6.2L
Waterproof level	IPX4	IPX4	IPX4	IPX4	IPX4
Maximum allowable working pressure	4.2MPa	4.2MPa	4.2MPa	4.2MPa	4.2MPa
Minimum allowable working pressure	0.1MPa	0.1MPa	0.1MPa	0.1MPa	0.1MPa
Net weight	35.7kg	62kg	112kg	140kg	195kg
Installation body dimensions	865*355*555mm	910*353*770mm	938*392*1369mm	938*392*1369mm	1118*425*1556mm



Hi-end HVAC Solutions Provider

## Foshan Hetapro HVAC Equipment Co., Ltd

Tel.(WhatsApp): +86 18676527809

E-mail: frankie@hetapro.com

Postcode: 528427

Website: www.hetapro.com

Address: 3th Floor No.59 Nantou Road Mid, Nantou Town, Zhongshan City, Guangdong Province, China

