FLAND COLD STORAGE

**HEART EVERY TIME**

# FLAND COLD CHAIN EQUIPMENT GROUP

Cold Storage Product Selection Manual

# ABOUT US

**SOURCE FACTORY**

Jiangsu, Anhui, Chongqing, and Guangdong have established production bases.

**10000+**

Undertakes the construction of over 10,000 cold storage units each year.

**100+**

Exports to the United States, the United Kingdom, and over 100 countries.

**PREFERRED BRAND**

Ranked first in the top ten brands of the cold storage industry for 2022.

**3600+**

3600+ installation service Nationwide.

**100+**

Honored with hundreds of patents, software copyrights, and certifications.

# CORPORATE CULTURE

Innovative technology, advancing the digital and intelligent upgrade of the cold chain,and enhancing the quality of human life.

01

**ENTERPRISE MISSION**

Becoming a global leader in the digital and intelligent cold chain industry.

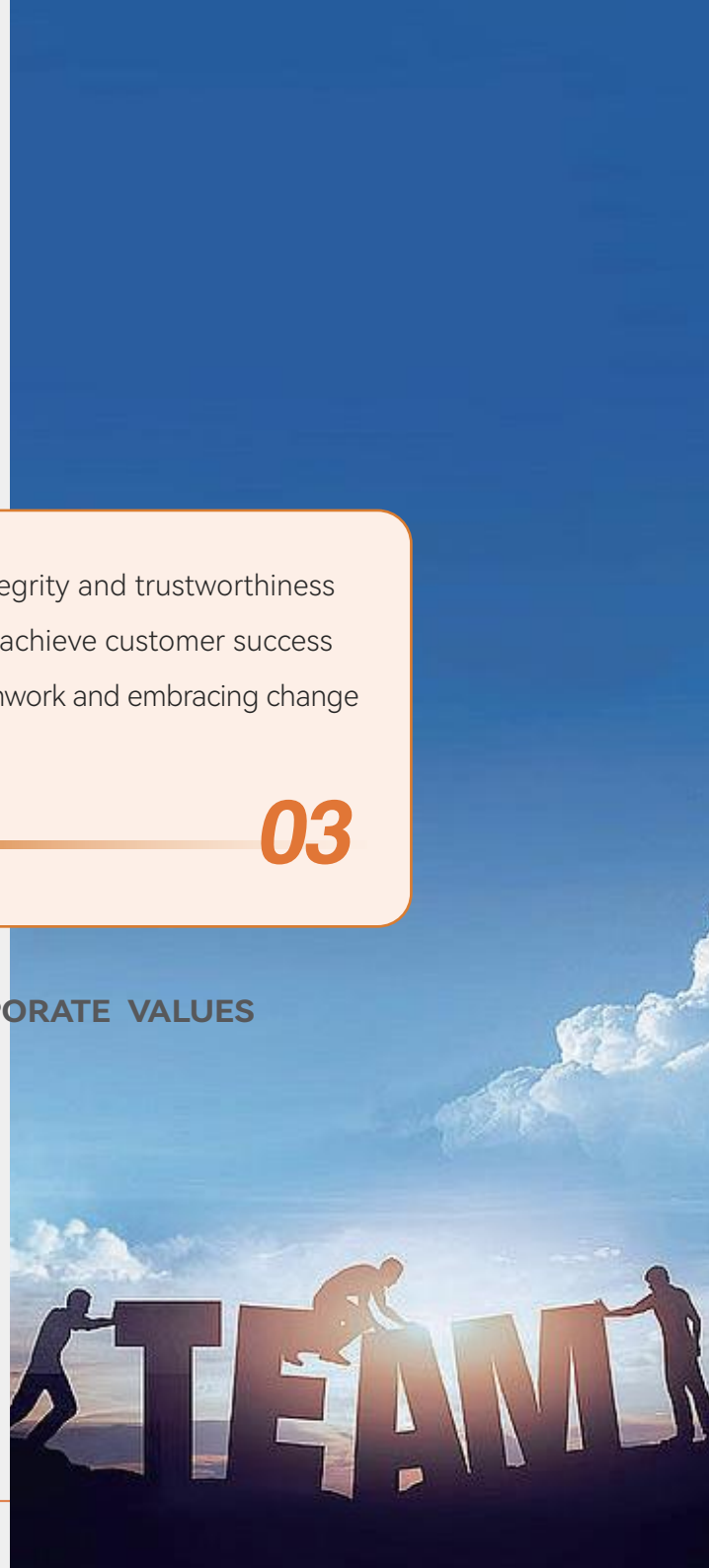
02

**CORPORATE VISION**

Integrity and trustworthiness
to achieve customer success
Teamwork and embracing change

03

**CORPORATE VALUES**



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# COLD STORAGE SERIES

01

# DIGITAL AND INTELLIGENT MOBILE COLD STORAGE

Covering standardized cold storage units ranging from 13 cubic meters to 1,000 cubic meters.

- Integrated design, factory-scale production, stable, reliable and energy-efficient operation.
- Covering the temperature range from -18℃ to 10℃ in full, capable of freezing and refrigerating, with dual functions in one machine.
- The new generation of B1-level rigid polyurethane core material, with a thermal conductivity of ≤ 0.024W/(M·K), and an energy-saving improvement of 13% to 26%.
- Integrated cold source, cooling capacity type air cooler, intelligent electronic control system, high system matching degree, and energy-saving up to 20% - 30%.
- Fland Cold Cloud, AI health diagnosis for cold storage, ECO big data energy-saving control, remote monitoring, saving trouble, worry and money.

## SPECIFICATION PARAMETER

| | |
|---|---|
| **TEMPERATURE RANGE** | -18℃~10℃ |
| **VOLTAGE** | 220V / 380V |
| **SIZE** | 13m³, 3m×2m×2.2m |
| **REFRIGERATING CAPACITY** | 1.9KW / 4.3KW |
| **INTELLIGENTIZATION** | Fland Cold Cloud/ECO energy-saving /AI health diagnosis |
| **POWER CONSUMPTION** | about 10 degrees Celsius per day |
| **CARGO CAPACITY** | 2-3 tons |
| **COOLING TIME** | 30 minutes (25℃, empty warehouse) |

# GLASS-DOOR COLD STORAGE

Suitable for supermarkets, convenience stores, flower shops, fruit stores, fresh beef and mutton shops, hot pot ingredient stores and other places.


- The special air cooler is designed with a large area and low wind speed on both sides to maintain the appropriate temperature and humidity and make the fresh flowers and fruits and vegetables fresher.
- Fland super preservation technology reduces the production of ethylene through the oscillation of water molecules, making the fresh flowers last longer.
- The double-layer vacuum heated anti-fog tempered glass and LED lights provide a comprehensive display with outstanding effects.
- According to the on-site situation of customers, customized design is carried out to meet various size requirements of customers

## SPECIFICATION PARAMETER

| | |
|---|---|
| **TEMPERATURE RANGE** | -18℃~10℃ |
| **VOLTAGE** | 220V / 380V |
| **SIZE** | 3×2×2.5m (customized on demand) |
| **GLASS DOOR** | 3 doors (customized on demand) |
| **COLD SOURCE** | Fland High-Efficiency Cold Source (FA2-25) |
| **INTELLIGENCE** | Fland Cold Cloud/ECO energy-saving /AI health diagnosis |
| **COOLING TIME** | 15 minutes (25℃, empty warehouse) |

# STAINLESS STEEL COLD STORAGE

Specially designed and developed for chain catering hotels, it completely solves the pain points of kitchen cold storage from the perspective of technical design, such as frost melting, ice blockage, high energy consumption, limited installation space and other pain points.


- The new generation of polyurethane cold storage panels have B1 grade core materials, with a thermal conductivity coefficient of ≤ 0.024W/(M·K), and meet the design requirements of GB50016-2014 "Code for Fire Protection Design of Buildings" and GB50072-2021 "Code for Design of Cold Storage
- Integrated cold source, cooling capacity type air cooler, controlled by electronic expansion valve and condensation pressure, with small temperature difference design, high energy efficiency and less frosting.
- The second-generation intelligent defrosting technology, through big data analysis, achieves truly on-demand defrosting and eliminates ice blockage.
- Integrated remote networking, cold storage health diagnosis, maintenance records, precise maintenance, ensuring the reliable and trouble-free operation of the cold storage.

## SPECIFICATION PARAMETER

| | |
|---|---|
| **TEMPERATURE RANGE** | -25℃~10℃ |
| **VOLTAGE** | 220V / 380V |
| **SIZE** | CUSTOMIZED AS NEEDED |
| **REFRIGERATION SOURCE** | FLAND high-efficiency refrigeration source (FA2-25) |
| **PANEL** | 304 stainless steel, 0.8mm thickness |
| **REFRIGERANT** | R404A/R507 |

# CONTAINER COLD STORAGE/LIFTING COLD STORAGE

20HQ:6000 x 2500 x 2900 mm
40FT:12100 x 2500 x 2500 mm
Suitable for use in farms,construction sites,fields,and other locations.

FULLY WATERPROOF


- The entire machine is designed and factory-integrated,ready for immediate use upon delivery and installation;the Fuland intelligent hot gas defrosting unit,with electronic expansion valve control and intelligent defrosting technology,saves 30% energy;
- Cold boxes are flexible to use and can be relocated without the need for approval. Based on market demand, they can be quickly deployed in batches.
- By employing various cold storage combinations, the needs of each link in the cold chain, such as pre-cooling, quick freezing, cooling, and refrigeration, can be met.

## SPECIFICATION PARAMETER

| | |
|---|---|
| **TEMPERATURE RANGE** | -18℃~10℃ |
| **VOLTAGE** | 220V / 380V |
| **SIZE** | Customizable in 20-HQ and 40-FT sizes |
| **COOLING CAPACITY** | 4.5KW (20-HQ) / 6.5KW (40-FT) |
| **INTELLIGENT FEATURES** | Fland Cold Cloud/ECO energy-saving /AI health diagnosis |
| **POWER CONSUMPTION** | Approximately 30 kWh/day |
| **CARGO CAPACITY** | 5-12 tons |
| **COOLING TIME** | 30 minutes (25℃, empty warehouse) |

# SOLAR COLD STORAGE

- Photovoltaic power generation+100AH energy storage system,with foldable solar panels,stable energy output,energy-efficient and environmentally friendly.
- Compatible with DC inverter technology and intelligent defrosting technology to further reduce unit energy consumption and extend cooling duration.
- -4℃high-efficiency phase-change thermal storage material,providing long-term passive temperature control for the cold storage.
- High-efficiency integrated cooling source with a fully digital electrical control system and condensing pressure control,easily handling harsh operating conditions such as high temperatures.

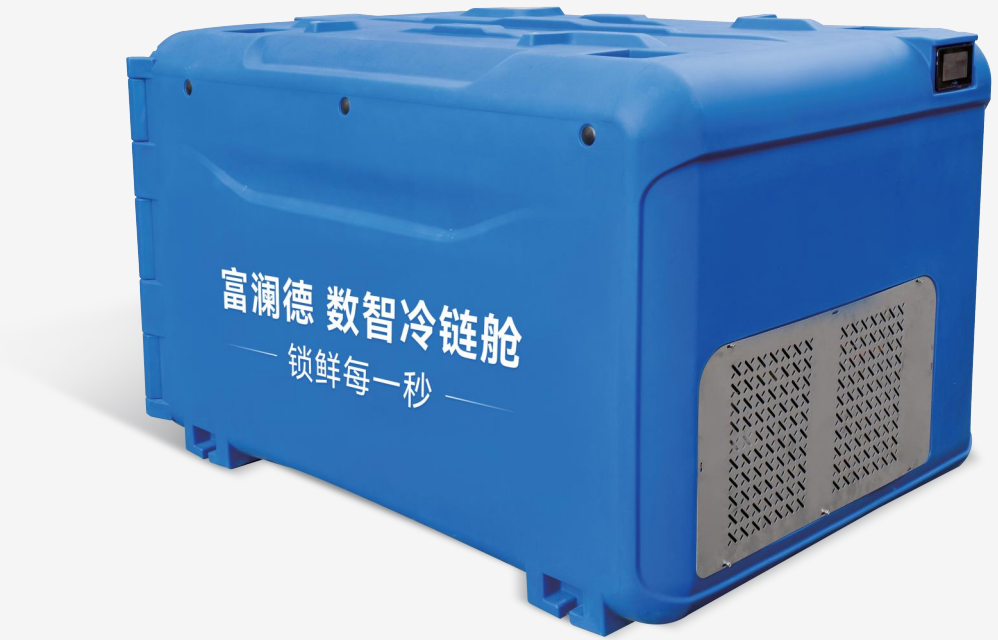
## "THE FIRST MILE AT THE FARM"

## SPECIFICATION PARAMETER

| | | 20HQ | 40FT |
|---|---|---|---|
| Cold Storage Parameters | Size | 6.0×2.5×2.9m | 12.1×2.5×2.5m |
| | Temperature Range | -18℃~10℃ customizable to -35℃ | -18℃~10℃ customizable to -35℃ |
| | Working Voltage | 220V/380V | 380V |
| | Rated Power | 2.5KW | 4.6KW |
| | Protection Level | IPX5，rainproof | IPX5，rainproof |
| | Cooling Capacity | 2.56KW | 5.48KW |
| Panel Parameters | Thickness | 100mm | 100mm |
| | Thermal Conductivity | 0.024W/(M·K) | 0.024W/(M·K) |
| | Cold Storage Door | 0.8×1.8m,double door | 0.8×1.8m,double door |
| Solar Panel | Solar Panel Quantity | 550W*10 | 550W*20 |
| | Inverter Power | 6KW | 15KW |
| | Battery Capacity | 14.3KW·H | 30KW·H |
| | Daily Power Generation | 23.7KW·H | 47.4KW·H |
| | Cooling Temperature | -2/-20℃ | -2/-20℃ |
| | Cooling Capacity | 6KWH | 12KWH |
| | Weight | 90KG | 180KG |
| Metal Box | Material | New 20HQ double door container | New 40FT double door container |
| | Load Capacity | 5 tons | 10 tons |
| | Structure | Airplane wing | Airplane wing |

# DIGITAL AND INTELLIGENT COLD CHAIN COMPARTMENT

Suitable for distribution in the food and catering industry,-medical and pharmaceutical fields,logistics and transportation sectors,as well as commercial and retail businesses.It can be placed inside containers,vans,tricycle frames,pickup trucks,or at the entrance of shops to replace freezers.




- Integrated design, suitable for vehicle mounting and stackable placement, convenient for transportation;
- The internal temperature can be controlled between 10℃ and -20℃, meeting the long-term storage needs for frozen goods;
- With a single charge, the cooling duration lasts for 10 hours, and the power-off insulation lasts up to 2 hours;
- Equipped with a battery, can be charged by plugging in or solar power, supporting multiple power supply options;
- Intelligent control, online upgrades, multi-parameter collection, and online diagnostics;
- Remote monitoring and positioning to manage risks.

## SPECIFICATION PARAMETER

| | | |
|---|---|---|
| **Cold Chain Compartment** | Dimensions | 1800×1200×1100mm |
| | Internal Volume | 1000L |
| | Box Thickness | 80mm |
| | Door Size | 1200×1100mm |
| | Power Supply | Lithium Battery 64V50AH |
| | Cooling Method | DC Inverter, Solar Panel, Battery |
| | Rated Power | 800W |
| | Cooling Duration | 10hours |
| | Temperature Range | 10℃~-20℃ |
| | Control System | Electronic Control + LCD Display |

# TRAILER-TYPE COLD STORAGE

## "THE FIRST MILE AT THE FARM"

- Equipped with a movable base,no forklift or crane needed,more suitable for use in the field;
- Quick mobility,more convenient for rental,turnover,and on-site use of the cold storage;
- Intelligent cold storage preservation system,with one-click completion of pre-cooling,environmental disinfection,and product storage according to the goods;
- Fland Cold Cloud management platform,real-time positioning and monitoring,AI health diagnostics,achieving full lifecycle management.

## SPECIFICATION PARAMETER

| | | | |
|---|---|---|---|
| Cold Storage Parameters | Size | 3×2×2.2m | 6×2.5×2.5m |
| | Temperature Range | 10℃~-20℃ | 10℃~-20℃ |
| | Working Voltage | 220V/380V | 380V |
| | Rated Power | 1.75KW | 3.3KW |
| | Protection Level | IPX5 | IPX5 |
| | Cooling Capacity | 3.3KW | 6.8KW |
| Panel Parameters | Thickness | 100mm | 100mm |
| | Thermal Conductivity | 0.024W/(M·K) | 0.024W/(M·K) |
| | Cold Storage Door | 0.8×1.8m,semi-buried door | 0.8×1.8m,semi-buried door |
| Frame | Material | Hot-dip galvanized steel | Hot-dip galvanized steel |
| | Specification | 3.5×2.8m | 6.5×2.8m |
| | Load Capacity | 3 tons | 5 tons |

# COLD CHAIN ELECTRIC VEHICLE

Suitable for the first and last mile of cold chain logistics distribution.

LICENSE-READY


- Integrated mobile cold source design,incorporating the condenser,evaporator,and electrical control system,compact size,low power consumption,and high energy efficiency;
- Innovative foaming process,uniform foaming,fine bubbles,good adhesion,and high insulation performance;The box body has an aluminum alloy frame structure,solid and sturdy construction,not afraid of mobile jolts;the bottom of the body is made of stainless steel material,meeting food-grade requirements,durable and easy to clean;
- 60V DC inverter refrigeration unit,intelligent electrical control system,the heat exchanger uses high-tooth internal threaded copper tubes,compact size,and heat dissipation efficiency increased by 75%;
- Available in single temperature,dual temperature,and frozen refrigerated storage with various specifications,supporting customization of multiple sizes.

## FLD-150S SPECIFICATION PARAMETER

| | |
|---|---|
| **ELECTRIC VEHICLE FRAME** | 2955mm (L) × 1100mm (W) × 1050mm (H) |
| **INSULATION BOX** | 1500mm (L) × 1050mm (W) × 1050mm (H) |
| **BATTERY** | 60V58AH Battery Pack (5 units)<br>72V58AH Battery Pack (6 units)<br>Approximate range of 60 kilometers when unloaded |
| **CARGO CAPACITY** | approximately 250-500 kg |
| **COOLING TIME** | 15 minutes (at 25℃, empty storage)<br>Cooling duration of about 6 hours (adjustable from -18℃ to 5℃) |
| **SPECIFICATIONS** | Optional models: FLD-130S, FLD-150S, FLD-180S |

# SMALL AND MEDIUM-SIZED COLD STORAGE CUSTOMIZATION

## BEIJING CHUANGHAI CATERING MANAGEMENT CO., LTD.

# SMALL AND MEDIUM-SIZED COLD STORAGE CUSTOMIZATION

## LAO NIANG JIU CATERING CO.,LTD.

# SMALL AND MEDIUM-SIZED COLD STORAGE CUSTOMIZATION

## SICHUAN HAIDILAO CENTRALIZED CATERING KITCHEN

# SMALL AND MEDIUM-SIZED COLD STORAGE CUSTOMIZATION

MIDEA GLOBAL
INNOVATION
CENTER KITCHEN

# LARGE COLD STORAGE CUSTOMIZATION

## QICHENG SUPPLY CHAIN BEIJING SHUNYI PROJECT

# LARGE COLD STORAGE CUSTOMIZATION

INNER MONGOLIA LINGZHI POTATO WAREHOUSE

# COLD STORAGE FULL SET OF EQUIPMENT

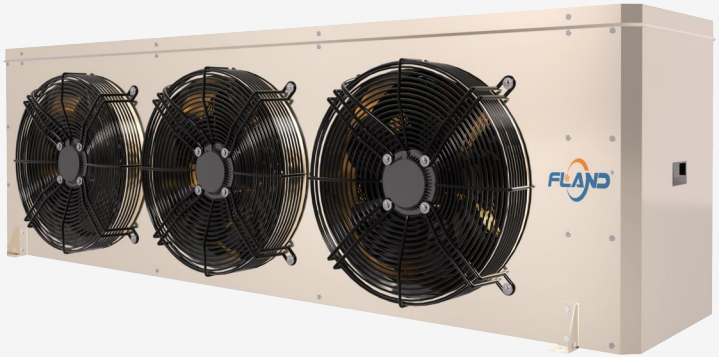
02

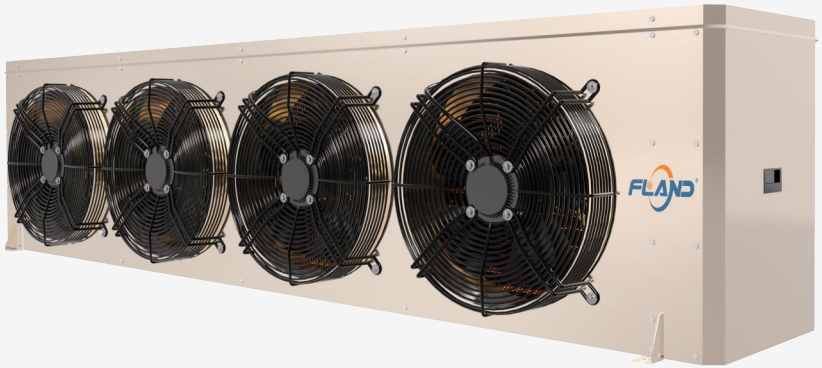
# HUIHUANG SERIES UNITS




# HUIHUANG SERIES AIR COOLERS





# HUIHUANG SERIES REFRIGERATION UNITS

Based on the actual usage scenarios of the cold storage,daily inventory intake,and the temperature of incoming goods,Fland uses big data models to accurately calculate the cooling capacity requirements of the cold storage.By integrating the cold storage temperature and design temperature difference,this ensures a more scientific and rational selection and configuration of the cold storage refrigeration system,guaranteeing the system's efficient operation.

**Based on Fland market data analysis,the usage scenarios of cold storage can mainly be divided into the following three categories:**

## -18℃COLD STORAGE THREE COMMON USAGE CONDITIONS

| COLD STORAGE SCENARIO | COLD STORAGE TEMPERATURE | INCOMING GOODS TEMPERATURE | DAILY INVENTORY INTAKE | COLD STORAGE USAGECONDITION |
|---|---|---|---|---|
| General catering, small wholesalers, etc. | -18℃ | -10℃ | 5% | AG3 |
| Supermarkets, production-type food factories central kitchens logistics-type warehouses, etc. | -18℃ | -10℃ | 10% | BG3 |
| Large hotels large factory canteens and school canteens, etc. | -18℃ | -10℃ | 15% | CG3 |

Note:For cold storage usage where the incoming goods temperature and daily inventory intake exceed the above ranges,cold storage load calculation is required.

## COLD STORAGE DESIGN REQUIREMENTS

- **Summer air conditioning average daily temperature:** 35℃. If the temperature in the location deviates significantly, the configuration should be correspondingly increased;
- **Cold storage enclosure structure:** six-sided 100mm polyurethane panels, with a thermal conductivity of ≤0.024W/(m·K), constructed inside the factory, equipped with air curtains or soft door curtains;
- **Condensation temperature design:** +42℃; Evaporation temperature design: -26℃;
- **Subcooling design:** 3K; Suction superheat design: 10K;
- **Evaporator type:** Air cooler,defrosting method is electric defrost;**Refrigerant:**R507.

## THE DRAG CAPABILITY OF AN EFFICIENT COLD SOURCE

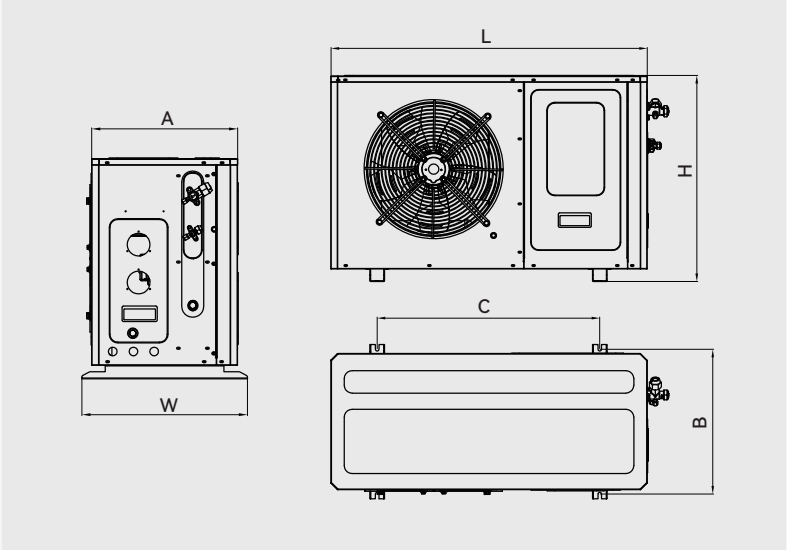
| Series-Model | General catering Small wholesalers | | Food factory/shopping mall/ supermarket | | Hotel/factory/school | |
|---|---|---|---|---|---|---|
| | Drag volume ($m^3$) | Storage capacity (t) | Drag volume ($m^3$) | Storage capacity (t) | Drag volume ($m^3$) | Storage capacity (t) |
| FAL-1.5B | 12 | 2.31 | 11 | 2.15 | 10 | 2 |
| FAL-2B | 19 | 3.74 | 17 | 3.4 | 14 | 2.88 |
| FAL-3B | 36 | 7.14 | 32 | 6.32 | 27 | 5.49 |
| FAL-2 | 19 | 3.74 | 17 | 3.4 | 14 | 2.88 |
| FAL-3 | 36 | 7.14 | 32 | 6.32 | 27 | 5.49 |
| FAL-4 | 66 | 13.1 | 57 | 11.35 | 50 | 10.03 |
| FAL-5 | 86 | 17.12 | 68 | 13.65 | 60 | 12.04 |
| FAL-6 | 132 | 23.78 | 107 | 19.25 | 87 | 17.35 |
| FAL-7 | 145 | 26.04 | 118 | 21.3 | 95 | 18.92 |
| FAL-8 | 169 | 30.5 | 139 | 24.99 | 117 | 21.05 |
| FAL-9 | 230 | 41.43 | 183 | 33.02 | 158 | 28.38 |
| FAL-10 | 304 | 54.68 | 231 | 41.53 | 191 | 34.3 |
| FAL-12 | 346 | 62.33 | 263 | 47.33 | 219 | 39.33 |
| FAL-13 | 390 | 70.27 | 308 | 55.42 | 245 | 44.06 |
| FAL-15 | 450 | 80.91 | 359 | 64.66 | 296 | 53.29 |
| FAL-20 | 546 | 87.32 | 391 | 70.33 | 326 | 58.64 |
| FAL-22 | 855 | 136.78 | 640 | 102.37 | 466 | 83.85 |
| FAL-25 | 951 | 152.22 | 710 | 113.54 | 576 | 92.23 |
| FAL-30 | 1180 | 235.95 | 967 | 154.72 | 772 | 123.57 |

# UNIT MODEL / AIR COOLER MODEL

| Cold source model | Refrigeration capacity (kW) | Unit model | Compressor power (HP) | Condenser fan Motor power (kw) | Diameter of high-pressureliquid supply main pipe (mm) | Return air main pipe diameter (mm) | Air cooler model | Number of air coolers (units) | Air cooler fan motor power (kw) | Air cooler Electric heating tube power (kw) | Air cooler air volume ($m^3/h$) | Air cooler throw (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FA-1.5BM | 1.34 | FA-015-XR-M-507-PFJ | 1.5 | 0.11 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA7015-M-PFJ-R | 1 | 1×0.17 | 1×1.94 | 2163 | 15 |
| FA-2BM | 1.8 | FA-020-YM-M-507-PFJ | 2 | 0.15 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA7024-M-PFJ-R | 1 | 1×0.30 | 1×3.10 | 3856 | 17 |
| FA-3BM | 2.57 | FA-030-YM-M-507-PFJ | 3 | 0.15 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA7031-M-PFJ-R | 1 | 1×0.33 | 1×3.42 | 4330 | 20 |
| FA-2M | 1.8 | FA-020-YM-M-507-TFD | 2 | 0.15 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA7024-M-TFD-R | 1 | 1×0.30 | 1×3.10 | 3856 | 17 |
| FA-3M | 2.57 | FA-030-YM-M-507-TFD | 3 | 0.15 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA7031-M-TFD-R | 1 | 1×0.33 | 1×3.42 | 4330 | 20 |
| FA-4M | 3.76 | FA-040-YM-M-507-TFD | 4 | 0.33 | ϕ9.52×1.0 | ϕ22×1.0 | FA7047-M-TFD-R | 1 | 1×0.48 | 1×5.32 | 5976 | 19 |
| FA-5M | 4.4 | FA-050-YM-M-507-TFD | 5 | 0.33 | ϕ12.7×1.0 | ϕ22×1.0 | FA7053-M-TFD-R | 1 | 1×0.60 | 1×5.45 | 7712 | 24 |
| FA-6M | 5.48 | FA-060-YM-M-507-TFD | 6 | 0.55 | ϕ12.7×1.0 | ϕ28×1.5 | FA7061-M-TFD-R | 1 | 1×0.60 | 1×6.54 | 7228 | 23 |
| FA-7M | 5.84 | FA-070-YM-M-507-TFD | 7 | 0.55 | ϕ12.7×1.0 | ϕ28×1.5 | FA7070-M-TFD-R | 1 | 1×0.90 | 1×7.63 | 6884 | 23 |
| FA-8M | 6.75 | FA-080-YM-M-507-TFD | 8 | 0.66 | ϕ12.7×1.0 | ϕ35×1.5 | FA7081-M-TFD-R | 1 | 1×0.90 | 1×7.80 | 11569 | 29 |
| FA-9M | 8.12 | FA-090-YM-M-507-TFD | 9 | 0.66 | ϕ15.88×1.0 | ϕ35×1.5 | FA7093-M-TFD-R | 1 | 1×0.96 | 1×9.36 | 10842 | 28 |
| FA-10M | 9.45 | FA-100-YM-M-507-TFD | 10 | 1.1 | ϕ15.88×1.0 | ϕ35×1.5 | FA7112-H-TFD-R | 1 | 1×1.44 | 1×11.28 | 11394 | 27 |
| FA-12M | 10.76 | FA-120-YM-M-507-TFD | 12 | 1.1 | ϕ15.88×1.0 | ϕ35×1.5 | FA7130-H-TFD-R | 1 | 1×1.44 | 1×11.70 | 18875 | 33 |
| FA-13M | 11.46 | FA-130-YM-M-507-TFD | 13 | 1.1 | ϕ15.88×1.0 | ϕ42×1.5 | FA7136-H-TFD-R | 1 | 1×1.20 | 1×13.44 | 13756 | 32 |
| FA-15M | 12.98 | FA-150-YM-M-507-TFD | 15 | 1.1 | ϕ15.88×1.0 | ϕ42×1.5 | FA7151-H-TFD-R | 1 | 1×1.44 | 1×13.65 | 17927 | 32 |
| FA-20M | 13.83 | FA-200-YM-M-507-TFD | 20 | 1.1 | ϕ22×1.0 | ϕ42×1.5 | FA7169-H-TFD-R | 1 | 1×1.44 | 1×15.60 | 17927 | 32 |
| FA-22M | 18.86 | FA-220-YM-M-507-TFD | 22 | 1.6 | ϕ22×1.0 | ϕ54×2.0 | FA7230-H-TFD-R | 1 | 1×1.92 | 1×20.72 | 22788 | 37 |
| FA-25M | 21.47 | FA-250-YM-M-507-TFD | 25 | 1.6 | ϕ22×1.0 | ϕ54×2.0 | FA7130-H-TFD-R | 2 | 2×1.44 | 2×11.70 | 2×18875 | 33 |
| FA-30M | 26.36 | FA-300-XR-M-507-TFD | 30 | 1.5 | ϕ22×1.0 | ϕ54×2.0 | FA7151-H-TFD-R | 2 | 2×1.44 | 2×13.65 | 2×17927 | 32 |

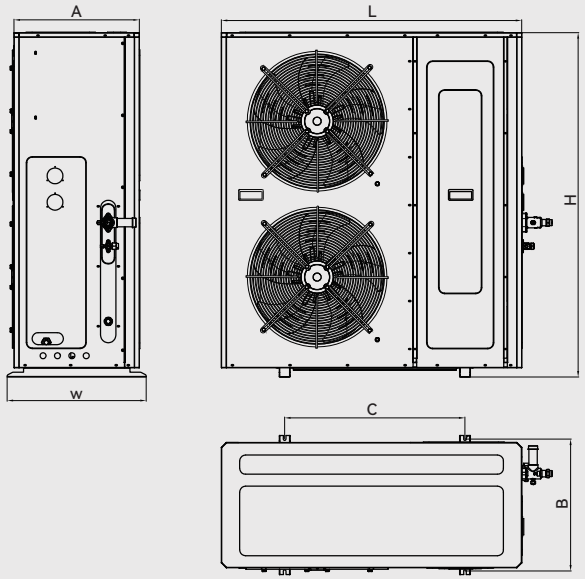
# FREEZER - UNIT DIMENSIONS

## Left-and-Right Structure with Single Fan and Side Air Discharge-Unit External Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-015-XR-M-507-PFJ | 1×ϕ400 | 983 | 480 | 640 | 423 | 450 | 692 |
| FA-020-YM-M-507-TFD | 1×ϕ450 | 1033 | 480 | 724 | 423 | 450 | 642 |
| FA-030-YM-M-507-TFD | 1×ϕ450 | 1033 | 480 | 724 | 423 | 450 | 642 |
| FA-020-YM-M-507-PFJ | 1×ϕ450 | 1033 | 480 | 724 | 423 | 450 | 642 |
| FA-030-YM-M-507-PFJ | 1×ϕ450 | 1033 | 480 | 724 | 423 | 450 | 642 |
| FA-040-YM-M-507-TFD | 1×ϕ550 | 1253 | 520 | 724 | 463 | 490 | 752 |
| FA-050-YM-M-507-TFD | 1×ϕ550 | 1253 | 520 | 724 | 463 | 490 | 752 |
| FA-060-YM-M-507-TFD | 1×ϕ630 | 1383 | 610 | 848 | 553 | 580 | 812 |
| FA-070-YM-M-507-TFD | 1×ϕ630 | 1383 | 610 | 848 | 553 | 580 | 812 |

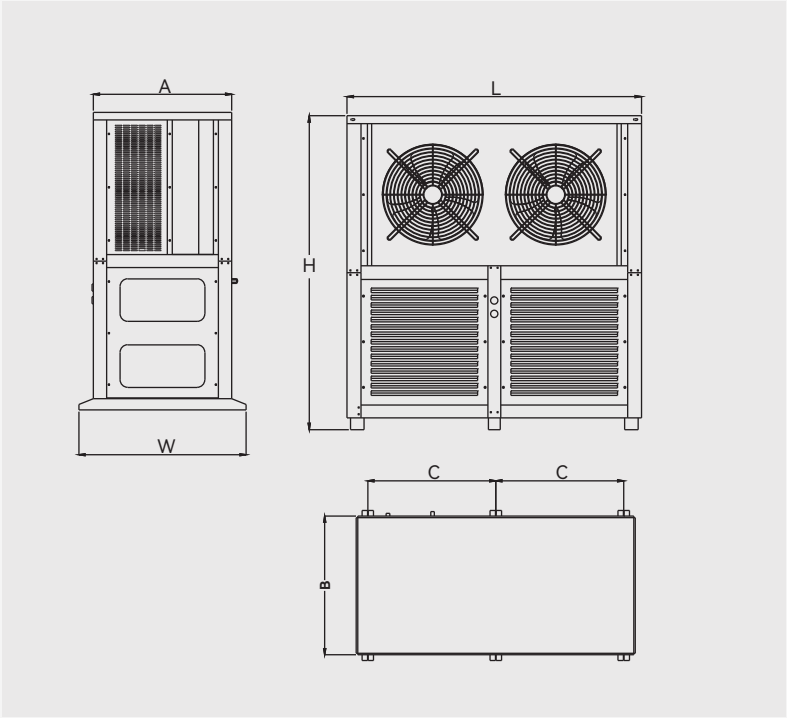
## Left-and-Right Structure with Dual Fans and Side Air Discharge-Unit External Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-080-YM-M-507-TFD | 2×ϕ550 | 1253 | 580 | 1436 | 522 | 550 | 752 |
| FA-090-YM-M-507-TFD | 2×ϕ550 | 1253 | 580 | 1436 | 522 | 550 | 752 |
| FA-100-YM-M-507-TFD | 2×ϕ630 | 1382 | 640 | 1646 | 583 | 610 | 912 |
| FA-120-YM-M-507-TFD | 2×ϕ630 | 1382 | 640 | 1646 | 583 | 610 | 912 |
| FA-130-YM-M-507-TFD | 2×ϕ630 | 1382 | 640 | 1646 | 583 | 610 | 912 |
| FA-150-YM-M-507-TFD | 2×ϕ630 | 1383 | 640 | 1646 | 583 | 610 | 912 |
| FA-200-YM-M-507-TFD | 2×ϕ630 | 1383 | 640 | 1646 | 583 | 610 | 912 |

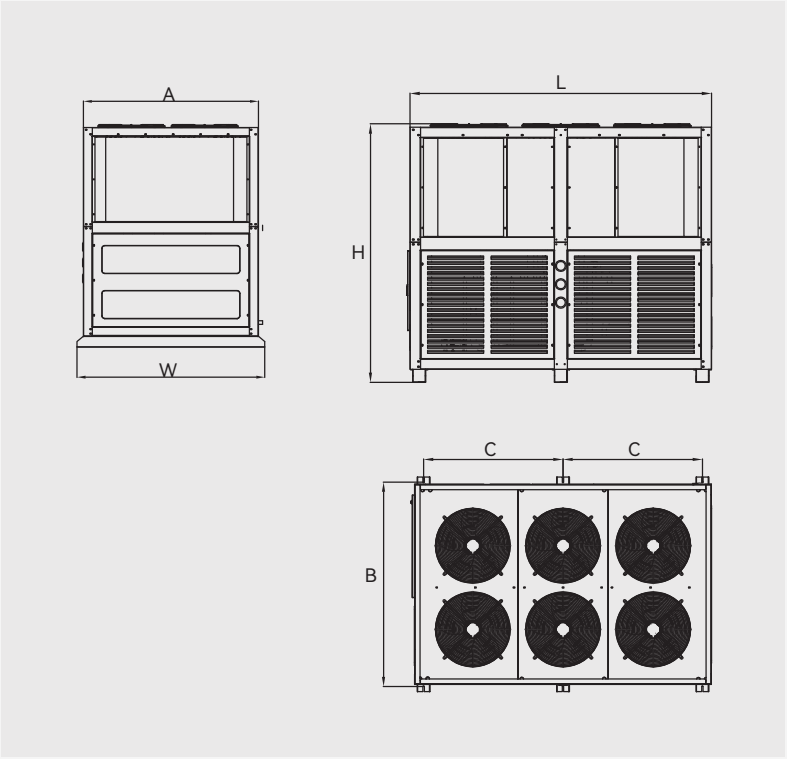
# FREEZER - UNIT DIMENSIONS

## Top-and-Bottom Structure with Dual Fans and Side Air Discharge - Unit Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-220-YM-M-507-TFD | 2×ϕ630 | 1809 | 991 | 1974 | 908 | 911 | 832 |
| FA-250-YM-M-507-TFD | 2×ϕ630 | 1859 | 991 | 2173 | 908 | 911 | 859 |

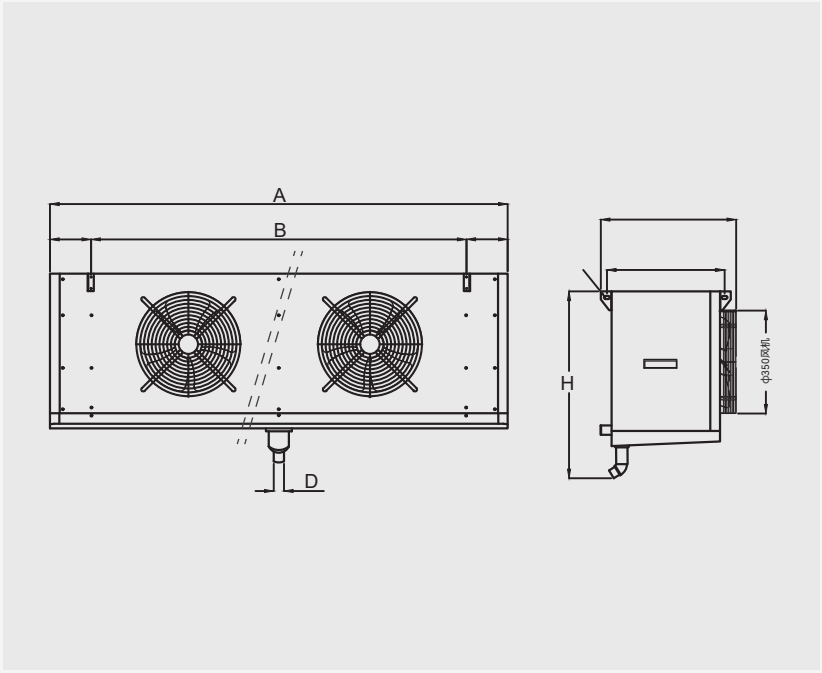
## Top-and-Bottom Structure with Dual Fans and Top Air Discharge - Unit External Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-300-XR-M-507-TFD | 6×ϕ450 | 2002 | 1444 | 1715 | 1332 | 1364 | 931 |

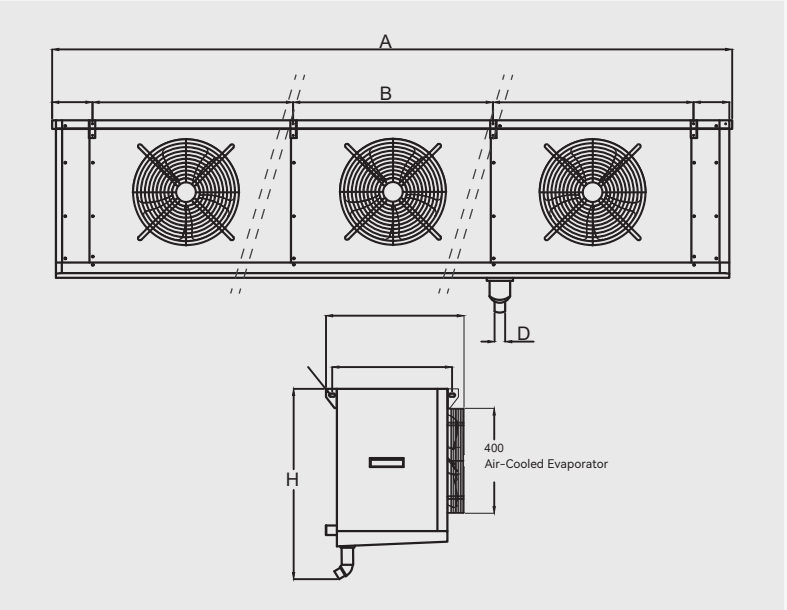
# FREEZER ROOM-COOLING FAN UNIT EXTERNAL DIMENSIONS

## ϕ350 Diameter Fan with Side Air Discharge - Cooling Fan Unit External Dimensions




| Unit Model | Air-Cooled Evaporator Axial Fan | Unit External Dimensions(mm) | | | |
|---|---|---|---|---|---|
| | | A | B | H | D |
| FA7015-M-PFJ-R | 1×ϕ350 | 810 | 500 | 584 | ϕ33 |
| FA7031-M-TFD-R | 2×ϕ350 | 1270 | 960 | 584 | ϕ33 |
| FA7031-M-PFJ-R | 2×ϕ350 | 1270 | 960 | 584 | ϕ33 |

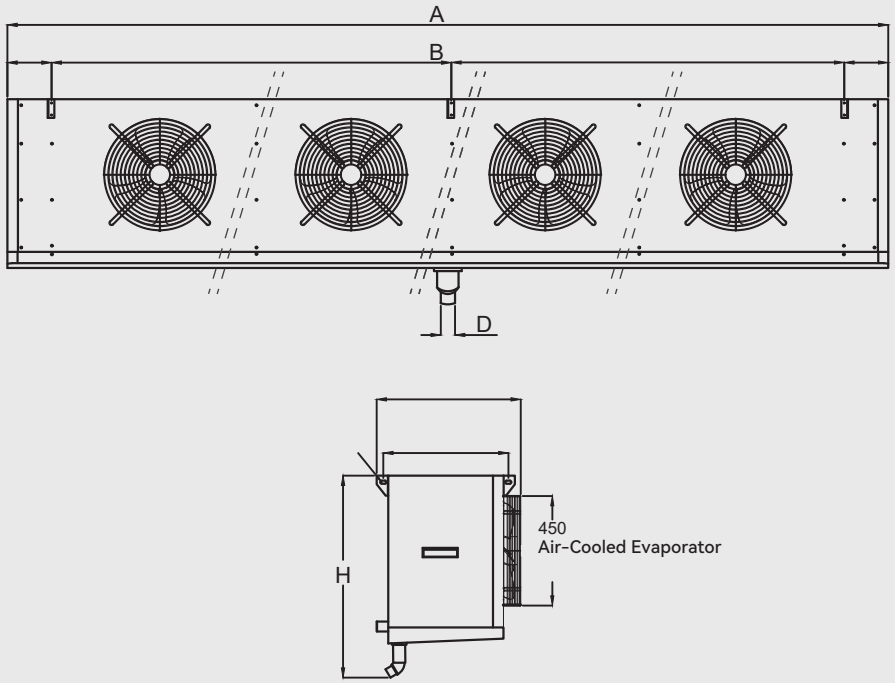
## ϕ400 Diameter Fan with Side Air Discharge - Cooling Fan Unit External Dimensions




| Unit Model | Air-Cooled Evaporator Axial Fan | Unit External Dimensions(mm) | | | | |
|---|---|---|---|---|---|---|
| | | A | B | C | H | D |
| FA7024-M-TFD-R | 1×ϕ400 | 990 | 630 | / | 692 | ϕ33 |
| FA7024-M-PFJ-R | 1×ϕ400 | 990 | 630 | / | 692 | ϕ33 |
| FA7053-M-TFD-R | 2×ϕ400 | 1580 | 1220 | / | 692 | ϕ33 |
| FA7061-M-TFD-R | 2×ϕ400 | 1580 | 1220 | / | 692 | ϕ33 |
| FA7070-M-TFD-R | 3×ϕ400 | 1580 | 1220 | / | 692 | ϕ33 |
| FA7081-M-TFD-R | 3×ϕ400 | 2170 | 1810 | / | 708 | ϕ45 |
| FA7136-H-TFD-R | 4×ϕ400 | 2760 | 1214 | 1186 | 721 | ϕ58 |

# FREEZER-COOLING FAN UNIT DIMENSIONS

ϕ450 Diameter Fan with Side
Air Discharge - Cooling Fan Unit External Dimensions




| Cooling Fan Unit Model | Cooling Fan Axial Fan | External Dimensions of Cooling Fan(mm) | | | | |
|---|---|---|---|---|---|---|
| | | A | B | C | H | D |
| FA7047-M-TFD-R | 1×ϕ450 | 1200 | 592 | / | 800 | ϕ33 |
| FA7093-M-TFD-R | 2×ϕ450 | 2170 | 1810 | / | 708 | ϕ45 |
| FA7112-H-TFD-R | 2×ϕ450 | 2000 | 1640 | / | 816 | ϕ45 |
| FA7130-H-TFD-R | 3×ϕ450 | 2800 | 2440 | / | 830 | ϕ58 |
| FA7151-H-TFD-R | 3×ϕ450 | 2800 | 2440 | / | 830 | ϕ58 |
| FA7169-H-TFD-R | 3×ϕ450 | 2800 | 2440 | / | 830 | ϕ58 |
| FA7230-H-TFD-R | 4×ϕ450 | 3600 | 1634 | 1606 | 830 | ϕ58 |

# HUIHUANG SERIES FRESH-KEEPING UNITS

Based on the actual usage scenarios of the cold storage,the daily volume of goods received,and the incoming temperature of the goods,Flande accurately calculates the cooling requirements of the cold storage through a big data model,in combination with the cold storage temperature and the designed temperature difference.This ensures that the selection and configuration of the cold storage refrigeration system are more scientific and rational,and guarantees the efficient operation of the system.

**According to Flande's market data analysis,the usage scenarios of cold storage can mainly be divided into the following three categories:**

## THREE COMMON USAGE CONDITIONS FOR 0℃ COLD STORAGE

| Cold Storage Scenario | Cold Storage Temperature | Cold Storage Temperature | Daily Inbound Volume | Cold Storage Usage Conditions |
|---|---|---|---|---|
| General Catering Services Small Wholesalers,etc. | 0℃ | +25℃ | 10% | AG2 |
| Supermarkets,Production-Type Food Factories,Central Kitchens Logistics Warehouses,etc. | 0℃ | +25℃ | 15% | BG2 |
| Large hotels,large factory canteens,school cafeterias,etc. | 0℃ | +25℃ | 20% | CG2 |

Note:For cold storage facilities where the incoming temperature and daily inbound volume exceed the ranges mentioned above,a load calculation for the cold storage is required.

## COLD STORAGE DESIGN REQUIREMENTS:

- **Daily Average Temperature for Air Conditioning in Summer:**35℃.If there is a significant deviation in the local temperature,the configuration should be correspondingly increased.
- **Cold Storage Enclosure Structure:**Six-sided 100mm Polyurethane Panels with a thermal conductivity of≤0.024 W/(m·K),constructed inside a factory building,equipped with an air curtain or flexible door curtain.
- **Design Condensing Temperature:**+42℃; **Design Evaporating Temperature:**-7℃.
- **Design Subcooling:**3K; **Design Suction Superheat:**10K.
- **1.5P-5P refrigerant:**R22; **6P-30P refrigerant:**R507.

## THE TOWING CAPACITY OF HIGH-EFFICIENCY COLD SOURCES

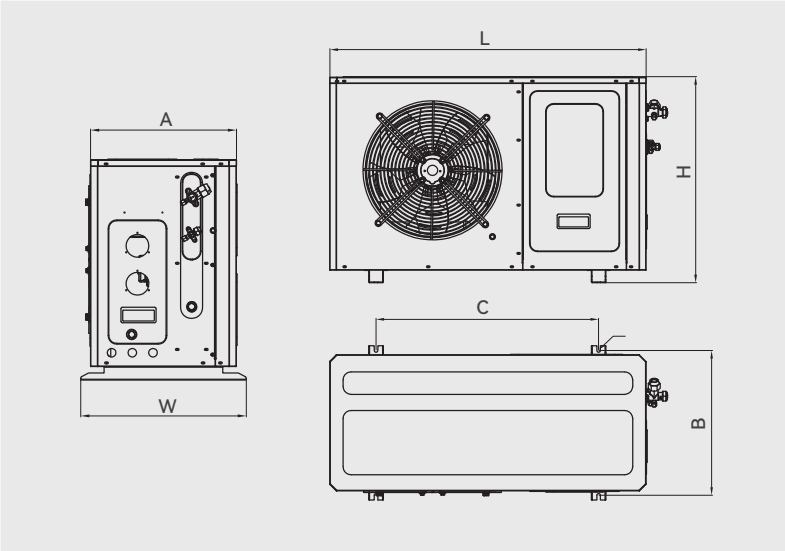
| Series Model | General Catering, Small Wholesalers, etc. | | Supermarkets, Production-Type Food Factories Central Kitchens Logistics Warehouses, etc. | | Large Hotels, Large Factory Canteens, School Canteens, etc. | |
|---|---|---|---|---|---|---|
| | Towing Volume ($m^3$) | Storage Capacity (t) | Towing Volume ($m^3$) | Storage Capacity (t) | Towing Volume ($m^3$) | Storage Capacity (t) |
| FA-1.5BH | 24 | 4.26 | 20 | 3.44 | 17 | 2.94 |
| FA-2BH | 34 | 6.01 | 28 | 4.85 | 23 | 4.06 |
| FA-3BH | 55 | 9.67 | 44 | 7.72 | 37 | 6.4 |
| FA-2H | 34 | 6.01 | 28 | 4.85 | 23 | 4.06 |
| FA-3H | 55 | 9.67 | 44 | 7.72 | 37 | 6.4 |
| FA-4H | 84 | 14.7 | 65 | 11.46 | 55 | 9.57 |
| FA-5H | 105 | 16.56 | 76 | 13.36 | 62 | 10.9 |
| FA-6H | 147 | 23.15 | 116 | 18.22 | 87 | 15.26 |
| FA-7H | 165 | 25.94 | 129 | 20.37 | 97 | 16.93 |
| FA-8H | 187 | 29.45 | 147 | 23.1 | 121 | 19.02 |
| FA-9H | 219 | 34.52 | 171 | 26.93 | 141 | 22.14 |
| FA-10H | 258 | 40.55 | 199 | 31.3 | 164 | 25.84 |
| FA-12H | 300 | 47.23 | 230 | 36.25 | 188 | 29.66 |
| FA-13H | 349 | 54.98 | 267 | 42.1 | 218 | 34.4 |
| FA-15H | 404 | 63.64 | 312 | 49.11 | 254 | 39.93 |
| FA-20H | 411 | 64.76 | 319 | 50.26 | 258 | 40.62 |
| FA-22H | 583 | 81.63 | 428 | 67.39 | 350 | 55.04 |
| FA-25H | 675 | 94.45 | 524 | 73.39 | 400 | 63.06 |
| FA-30H | 820 | 114.83 | 633 | 88.59 | 480 | 75.52 |

# UNIT MODEL / COOLING FAN MODEL

| Refrigeration Unit Model | Cooling Capacity (kW) | Unit Model | Compressor Power (HP) | Condenser Fan Motor Power (kw) | Diameter of High-PressureLiquid Supply Pipe (mm) | Diameter of Return Gas Main Pipe (mm) | Evaporator Fan Model | Number of Evaporator Fans (units) | Evaporator Fan Motor Power (kw) | Evaporator Heating Element Power (kw) | Evaporator Fan Air Volume ($m^3/h$) | Evaporator Fan Throw Distance (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FA-1.5BH | 2.76 | FA-015-XR-H-22-PFJ | 1.5 | 0.11 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA5038-H-PFJ-R | 1 | 1×0.30 | 1×3.10 | 3604 | 17 |
| FA-2BH | 3.71 | FA-020-YM-H-22-PFJ | 2 | 0.15 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA5043-H-PFJ-R | 1 | 1×0.30 | 1×3.72 | 3392 | 16 |
| FA-3BH | 5.28 | FA-030-YM-H-22-PFJ | 3 | 0.33 | ϕ12.7×1.0 | ϕ22×1.0 | FA5063-H-PFJ-R | 1 | 1×0.48 | 1×4.56 | 5953 | 19 |
| FA-2H | 3.71 | FA-020-YM-H-22-TFD | 2 | 0.15 | ϕ9.52×1.0 | ϕ19.05×1.0 | FA5043-H-TFD-R | 1 | 1×0.30 | 1×3.72 | 3392 | 16 |
| FA-3H | 5.28 | FA-030-YM-H-22-TFD | 3 | 0.33 | ϕ12.7×1.0 | ϕ22×1.0 | FA5063-H-TFD-R | 1 | 1×0.48 | 1×4.56 | 5953 | 19 |
| FA-4H | 7.73 | FA-040-YM-H-22-TFD | 4 | 0.55 | ϕ12.7×1.0 | ϕ28×1.5 | FA5090-H-TFD-R | 1 | 1×0.60 | 1×6.54 | 6770 | 23 |
| FA-5H | 9.22 | FA-050-YM-H-22-TFD | 5 | 0.55 | ϕ12.7×1.0 | ϕ28×1.5 | FA5102-H-TFD-R | 1 | 1×0.60 | 1×7.63 | 6366 | 22 |
| FA-6H | 11.28 | FA-060-YM-H-507-TFD | 6 | 0.66 | ϕ15.88×1.0 | ϕ35×1.5 | FA5136-H-TFD-R | 1 | 1×0.90 | 1×9.36 | 10155 | 27 |
| FA-7H | 12.24 | FA-070-YM-H-507-TFD | 7 | 0.66 | ϕ15.88×1.0 | ϕ35×1.5 | FA5149-H-TFD-R | 1 | 1×0.96 | 1×9.87 | 11259 | 27 |
| FA-8H | 13.89 | FA-080-YM-H-507-TFD | 8 | 1.10 | ϕ15.88×1.0 | ϕ35×1.5 | FA5169-H-TFD-R | 1 | 1×0.96 | 1×11.28 | 10732 | 26 |
| FA-9H | 16.71 | FA-090-YM-H-507-TFD | 9 | 1.10 | ϕ15.88×1.0 | ϕ42×1.5 | FA5192-H-TFD-R | 1 | 1×1.44 | 1×11.70 | 17836 | 33 |
| FA-10H | 19.43 | FA-100-YM-H-507-TFD | 10 | 1.10 | ϕ22×1.0 | ϕ42×1.5 | FA5222-H-TFD-R | 1 | 1×1.44 | 1×13.65 | 16866 | 32 |
| FA-12H | 22.14 | FA-120-YM-H-507-TFD | 12 | 1.10 | ϕ22×1.0 | ϕ42×1.5 | FA5254-H-TFD-R | 1 | 1×1.44 | 1×15.60 | 16154 | 32 |
| FA-13H | 23.57 | FA-130-YM-H-507-TFD | 13 | 1.10 | ϕ22×1.0 | ϕ42×1.5 | FA5301-H-TFD-R | 1 | 1×1.92 | 1×18.13 | 22488 | 37 |
| FA-15H | 26.7 | FA-150-YM-H-507-TFD | 15 | 1.60 | ϕ22×1.0 | ϕ42×1.5 | FA5342-H-TFD-R | 1 | 1×1.92 | 1×20.72 | 21536 | 36 |
| FA-20H | 28.45 | FA-200-YM-H-507-TFD | 20 | 1.60 | ϕ22×1.0 | ϕ42×1.5 | FA5169-H-TFD-R | 2 | 2×0.96 | 2×11.28 | 2×10732 | 26 |
| FA-22H | 38.81 | FA-220-YM-H-507-TFD | 22 | 1.50 | ϕ28×1.0 | ϕ54×2.0 | FA5222-H-TFD-R | 2 | 2×1.44 | 2×13.65 | 2×16866 | 32 |
| FA-25H | 44.18 | FA-250-YM-H-507-TFD | 25 | 2.48 | ϕ28×1.0 | ϕ54×2.0 | FA5254-H-TFD-R | 2 | 2×1.44 | 2×15.60 | 2×16154 | 32 |
| FA-30H | 54.23 | FA-300-XR-H-507-TFD | 30 | 3.60 | ϕ28×1.0 | ϕ54×2.0 | FA5301-H-TFD-R | 2 | 2×1.92 | 2×18.13 | 2×22488 | 37 |

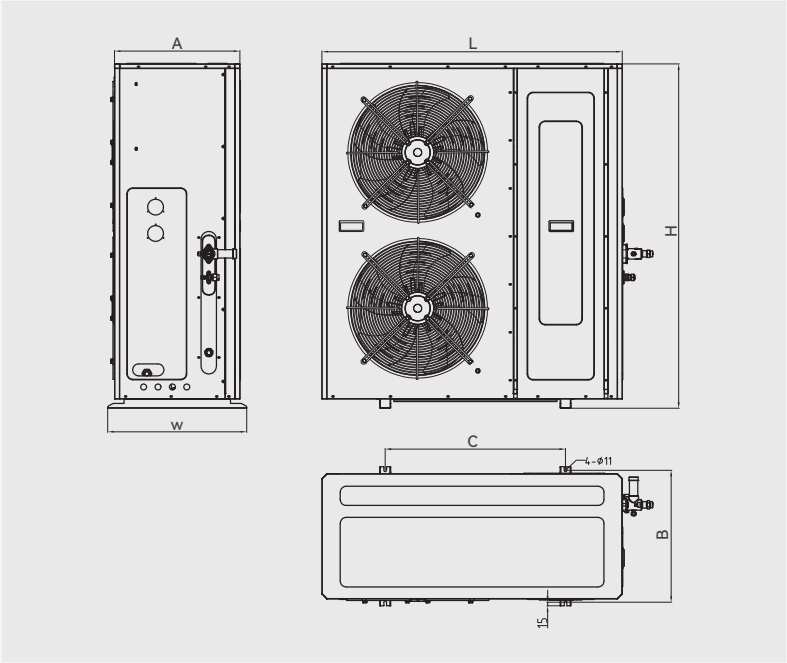
# FRESH-KEEPING ROOM-UNIT EXTERNAL DIMENSIONS

## Left-and-Right Structure with Single Fan and Side Air Discharge-Unit External Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-015-XR-H-22-PFJ | 1×ϕ400 | 983 | 480 | 640 | 423 | 450 | 692 |
| FA-020-YM-H-22-TFD | 1×ϕ450 | 1033 | 480 | 724 | 423 | 450 | 642 |
| FA-020-YM-H-22-PFJ | 1×ϕ450 | 1033 | 480 | 724 | 423 | 450 | 642 |
| FA-030-YM-H-22-TFD | 1×ϕ550 | 1253 | 520 | 724 | 463 | 490 | 752 |
| FA-030-YM-H-22-PFJ | 1×ϕ550 | 1253 | 520 | 724 | 463 | 490 | 752 |
| FA-040-YM-H-22-TFD | 1×ϕ630 | 1383 | 610 | 848 | 553 | 580 | 812 |
| FA-050-YM-H-22-TFD | 1×ϕ630 | 1383 | 610 | 848 | 553 | 580 | 812 |

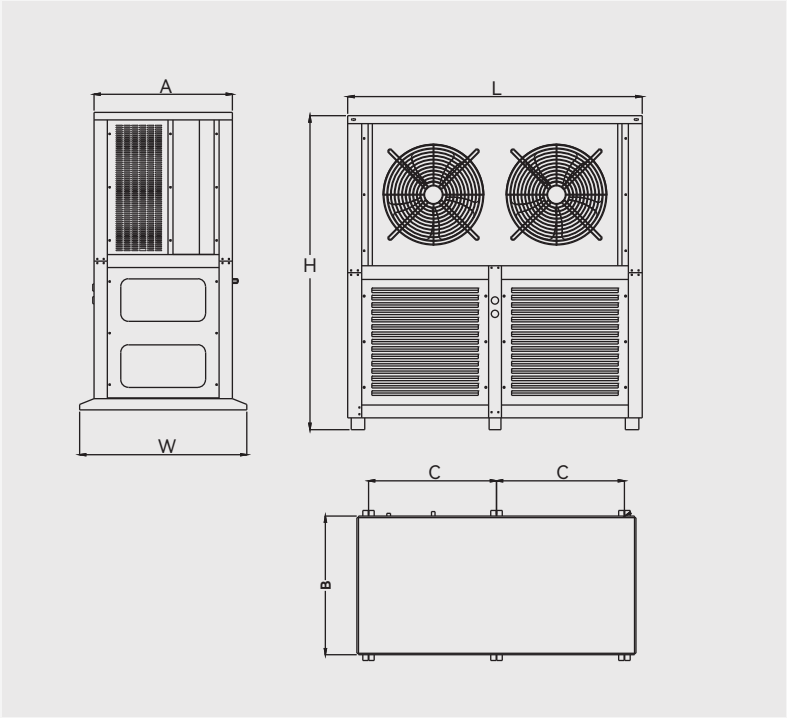
## Left-and-Right Structure with Dual Fans and Side Air Discharge-Unit External Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-060-YM-H-507-TFD | 2×ϕ550 | 1253 | 580 | 1436 | 522 | 550 | 752 |
| FA-070-YM-H-507-TFD | 2×ϕ550 | 1253 | 580 | 1436 | 522 | 550 | 752 |
| FA-080-YM-H-507-TFD | 2×ϕ630 | 1382 | 640 | 1646 | 583 | 610 | 912 |
| FA-090-YM-H-507-TFD | 2×ϕ630 | 1383 | 640 | 1646 | 583 | 610 | 912 |
| FA-100-YM-H-507-TFD | 2×ϕ630 | 1383 | 640 | 1646 | 583 | 610 | 912 |

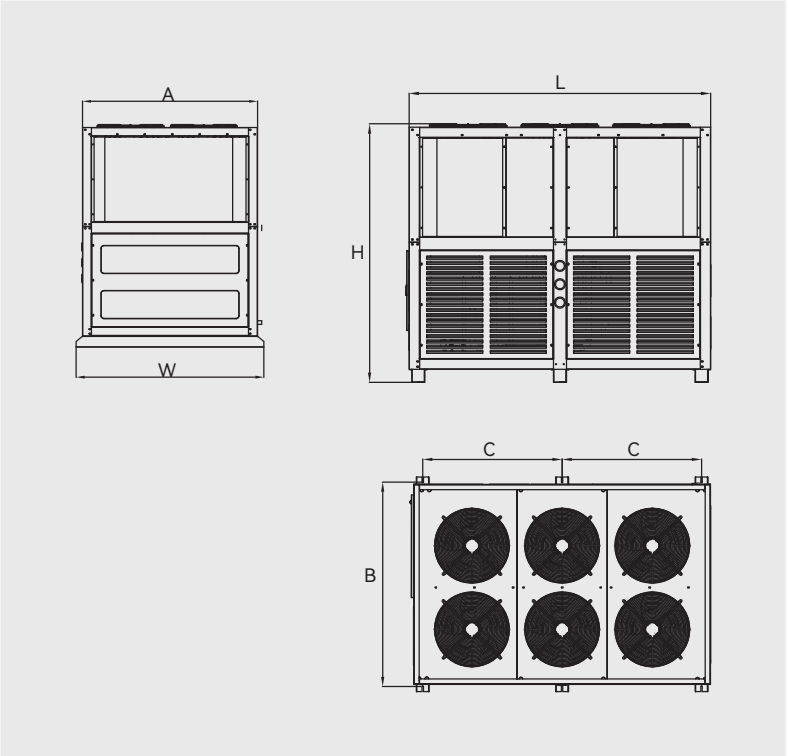
# FRESH-KEEPING ROOM-UNIT EXTERNAL DIMENSIONS

## Top-and-Bottom Structure with Dual Fans and Side Air Discharge-Unit External Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-120-YM-H-507-TFD | 2×ϕ630 | 1809 | 991 | 1954 | 908 | 911 | 832 |
| FA-130-YM-H-507-TFD | 2×ϕ630 | 1809 | 991 | 1954 | 908 | 911 | 832 |
| FA-150-YM-H-507-TFD | 2×ϕ630 | 1859 | 991 | 2173 | 908 | 911 | 859 |
| FA-200-YM-H-507-TFD | 2×ϕ630 | 1859 | 991 | 2173 | 908 | 911 | 859 |

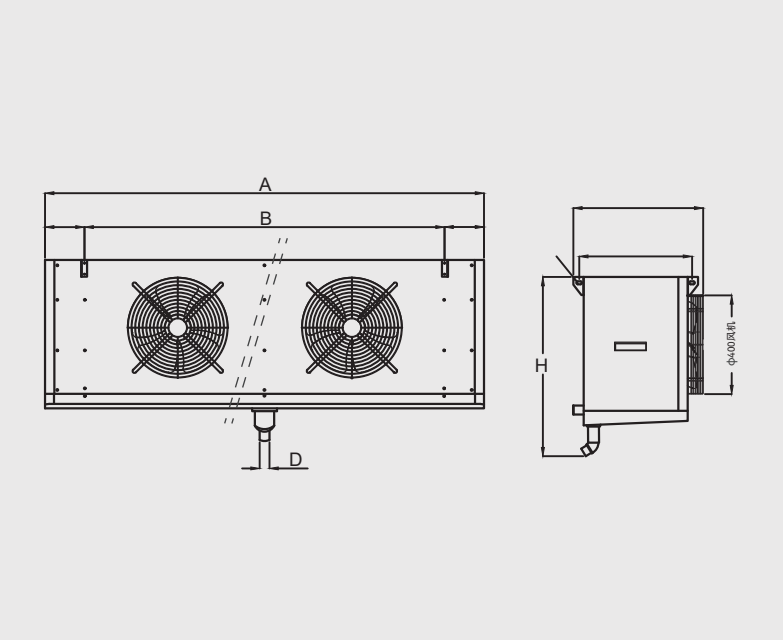
## Top-and-Bottom Structure with Dual Fans and Top Air Discharge-Unit External Dimensions




| Unit Model | Condenser Fan | Unit External Dimensions(mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | L | W | H | A | B | C |
| FA-220-YM-H-507-TFD | 6×ϕ450 | 2002 | 1444 | 1715 | 1332 | 1364 | 931 |
| FA-250-YM-H-507-TFD | 6×ϕ500 | 2152 | 1544 | 1815 | 1432 | 1464 | 1006 |
| FA-300-XR-H-507-TFD | 6×ϕ550 | 2304 | 1666 | 1975 | 1554 | 1586 | 1082 |

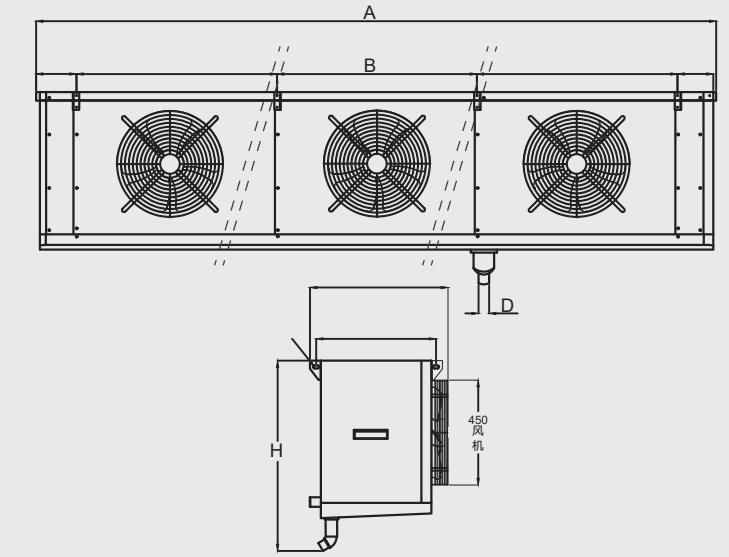
# FRESH-KEEPING ROOM-COOLING FAN UNIT EXTERNAL DIMENSIONS

## ϕ400Diameter Fan with Side Air Discharge - Cooling Fan Unit External Dimensions




| Cooling Fan Model | Cooling Fan Axial Fan | External Dimensions of Cooling Fan(mm) | | | | |
|---|---|---|---|---|---|---|
| | | A | B | C | H | D |
| FA5038-H-PFJ-R | 1×ϕ400 | 990 | 630 | / | 692 | ϕ33 |
| FA5043-H-PFJ-R | 1×ϕ400 | 990 | 630 | / | 692 | ϕ33 |
| FA5090-H-TFD-R | 2×ϕ400 | 1580 | 1220 | / | 692 | ϕ33 |
| FA5102-H-TFD-R | 2×ϕ400 | 1580 | 1220 | / | 692 | ϕ33 |
| FA5136-H-TFD-R | 3×ϕ400 | 2170 | 1810 | / | 708 | ϕ45 |

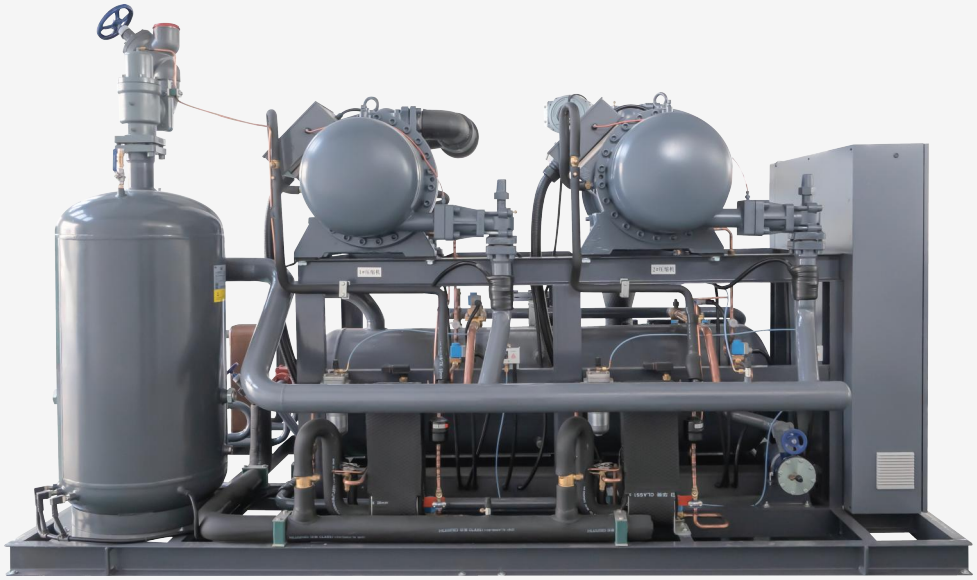
## ϕ450Diameter Fan with Side Air Discharge - Cooling Fan Unit External Dimensions




| Cooling Fan Model | Cooling Fan Axial Fan | External Dimensions of Cooling Fan(mm) | | | | |
|---|---|---|---|---|---|---|
| | | A | B | C | H | D |
| FA5063-H-PFJ-R | 1×ϕ450 | 1200 | 840 | / | 800 | ϕ33 |
| FA5149-H-TFD-R | 2×ϕ450 | 2000 | 1640 | / | 816 | ϕ45 |
| FA5169-H-TFD-R | 2×ϕ450 | 2000 | 1640 | / | 816 | ϕ45 |
| FA5192-H-TFD-R | 3×ϕ450 | 2800 | 2440 | / | 830 | ϕ58 |
| FA5222-H-TFD-R | 3×ϕ450 | 2800 | 2440 | / | 830 | ϕ58 |
| FA5254-H-TFD-R | 3×ϕ450 | 2800 | 2440 | / | 830 | ϕ58 |
| FA5301-H-TFD-R | 4×ϕ450 | 3600 | 1634 | 1606 | 830 | ϕ58 |
| FA5342-H-TFD-R | 4×ϕ450 | 3600 | 1634 | 1606 | 830 | ϕ58 |

# SCREW CONDENSING UNIT

SCREW AIR-COOLED SINGLE PARALLEL UNIT



SCREW AIR-COOLED DUAL PARALLEL UNIT

# SCREW AIR COOLING SINGLE MACHINE MEDIUM HIGH TEMPERATURE SERIES 1

| MODEL | | | LBGF | | | | |
|---|---|---|---|---|---|---|---|
| | | | 50L | 60L | 70L | 80L | 90L |
| Compressor | Model | | SRL160B-MS | SRL200B-MS | SRL240B-MS | SRL290B-MS | SRL330B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 103.8 | 129 | 158.3 | 192.3 | 216.8 |
| | | Power(kW) | 31 | 37.3 | 45.6 | 55.8 | 61.4 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 85.5 | 106.2 | 130.4 | 158.4 | 178.7 |
| | | Power(kW) | 29.7 | 35.8 | 43.7 | 53.2 | 58.5 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 69.8 | 86.7 | 106.4 | 129.3 | 145.8 |
| | | Power(kW) | 28.3 | 34.1 | 41.6 | 50.5 | 55.7 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 87 | 108 | 119 | 165 | 180 |
| Suction Port (mm) | | | ϕ67 | ϕ67 | ϕ76 | ϕ76 | ϕ108 |
| Liquid Supply Port (mm) | | | ϕ35 | ϕ35 | ϕ35 | ϕ35 | ϕ42 |
| Discharge Port (mm) | | | ϕ42 | ϕ42 | ϕ54 | ϕ54 | ϕ67 |
| Liquid Inlet Port (mm) | | | ϕ35 | ϕ35 | ϕ35 | ϕ35 | ϕ54 |
| Dimensions | | L(mm) | 1400 | 1680 | 1680 | 1800 | 1900 |
| | | W(mm) | 1000 | 1100 | 1100 | 1200 | 1300 |
| | | H(mm) | 1200 | 1300 | 1300 | 1400 | 1400 |

| MODEL | | | LBGF | | | | |
|---|---|---|---|---|---|---|---|
| | | | 100L | 105L | 110L | 120L | 140L |
| Compressor | Model | | SRL350B-MS | SRL370B-MS | SRL400B-MS | SRL480B-MS | SRL510B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 232.3 | 248.2 | 272.8 | 328.4 | 347.3 |
| | | Power(kW) | 65.7 | 71.4 | 77.9 | 93 | 96.7 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 191.4 | 204.5 | 224.7 | 270.5 | 286.1 |
| | | Power(kW) | 62.6 | 68.4 | 74.6 | 89.1 | 92.6 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 156.2 | 166.8 | 183.4 | 220.7 | 233.4 |
| | | Power(kW) | 59.6 | 65.2 | 71.1 | 84.9 | 88.2 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 185 | 209 | 217 | 250 | 258 |
| Suction Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Supply Port (mm) | | | ϕ42 | ϕ42 | ϕ42 | ϕ42 | ϕ42 |
| Discharge Port (mm) | | | ϕ67 | ϕ67 | ϕ67 | ϕ76 | ϕ76 |
| Liquid Inlet Port (mm) | | | ϕ54 | ϕ54 | ϕ54 | ϕ54 | ϕ54 |
| Dimensions | | L(mm) | 2000 | 2000 | 2100 | 2100 | 2200 |
| | | W(mm) | 1300 | 1300 | 1400 | 1400 | 1500 |
| | | H(mm) | 1400 | 1400 | 1500 | 1500 | 1500 |

- **Unit Design Conditions:**
  Evaporating Temperature -7℃, Ambient Temperature 35℃
  (Unit dimensions are subject to the actual product).

- **Design operating conditions of the unit:**
  Evaporating temperature -7℃, ambient temperature35℃
  (The dimensions of the unit are subject to the actual product).

# SCREW AIR COOLING SINGLE MACHINE MEDIUM HIGH TEMPERATURE SERIES 2

| MODEL | | | LBGF | | | | |
|---|---|---|---|---|---|---|---|
| | | | 150L | 160L | 180L | 200L | 210L |
| Compressor | Model | | SRL580B-MS | SRL610B-MS | SRL670B-MS | SRL720B-MS | SRL760B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 395.8 | 425.6 | 465.7 | 502.1 | 526.6 |
| | | Power(kW) | 109.9 | 118.1 | 128.9 | 136.8 | 142.9 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 326.1 | 350.6 | 383.6 | 413.6 | 433.7 |
| | | Power(kW) | 105.2 | 113.1 | 123.6 | 131.1 | 136.4 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 266.1 | 286.1 | 313 | 337.5 | 353.7 |
| | | Power(kW) | 100 | 107.7 | 117.7 | 124.9 | 129.6 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 330 | 335 | 340 | 375 | 379 |
| Suction Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Supply Port (mm) | | | DN40 | DN40 | DN40 | DN40 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ89 | ϕ89 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN80 |
| Dimensions | | L(mm) | 2200 | 2200 | 2200 | 2200 | 2500 |
| | | W(mm) | 1500 | 1500 | 1500 | 1500 | 1500 |
| | | H(mm) | 1500 | 1500 | 1500 | 1500 | 1800 |

| MODEL | | | LBGF | | | |
|---|---|---|---|---|---|---|
| | | | 220L | 230L | 240L | 250L |
| Compressor | Model | | SRL810B-MS | SRL850B-MS | SRL910B-MS | SRL940B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 565.4 | 588.7 | 638.4 | 658.3 |
| | | Power(kW) | 151.5 | 156.3 | 166.5 | 171.1 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 465.6 | 485 | 525.9 | 542.3 |
| | | Power(kW) | 144.6 | 149.8 | 159.6 | 164 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 379.7 | 395.7 | 429.2 | 442.5 |
| | | Power(kW) | 137.3 | 142.6 | 152 | 156.1 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 383 | 431 | 436 | 444 |
| Suction Port (mm) | | | ϕ108 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Supply Port (mm) | | | DN50 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ89 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 2500 | 3000 | 3000 | 3000 |
| | | W(mm) | 1500 | 1500 | 1500 | 1500 |
| | | H(mm) | 1800 | 1900 | 1900 | 1900 |

- **Unit Design Conditions:**
  Evaporating Temperature -7°C, Ambient Temperature 35°C
  (Unit dimensions are subject to the actual product).

- **Design operating conditions of the unit:**
  Evaporating temperature -7°C, ambient temperature35°C
  (The dimensions of the unit are subject to the actual product).

# SCREW AIR COOLING SINGLE MACHINELOW TEMPERATURE SERIES 1

| MODEL | | | LBGF | | | | |
|---|---|---|---|---|---|---|---|
| | | | 50D | 60D | 70D | 80D | 90D |
| Compressor | Model | | SRL160B-DS | SRL200B-DS | SRL240B-DS | SRL290B-DS | SRL330B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 70.5 | 87.7 | 107.6 | 130.9 | 146.5 |
| | | Power(kW) | 29.4 | 35.3 | 43.1 | 52.7 | 61.1 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 58.0 | 72.1 | 88.5 | 107.6 | 120.1 |
| | | Power(kW) | 28.2 | 33.9 | 41.3 | 50.6 | 59.9 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 47.2 | 58.7 | 72.0 | 87.6 | 97.5 |
| | | Power(kW) | 27.4 | 33.0 | 40.2 | 49.3 | 59.3 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 87 | 108 | 119 | 165 | 180 |
| Suction Port (mm) | | | ϕ67 | ϕ67 | ϕ76 | ϕ76 | ϕ108 |
| Liquid Supply Port (mm) | | | ϕ35 | ϕ35 | ϕ35 | ϕ35 | ϕ42 |
| Discharge Port (mm) | | | ϕ42 | ϕ42 | ϕ54 | ϕ54 | ϕ67 |
| Liquid Inlet Port (mm) | | | ϕ35 | ϕ35 | ϕ35 | ϕ35 | ϕ54 |
| Dimensions | | L(mm) | 1400 | 1680 | 1680 | 1800 | 1900 |
| | | W(mm) | 1000 | 1100 | 1100 | 1200 | 1300 |
| | | H(mm) | 1200 | 1300 | 1300 | 1400 | 1400 |

- **Unit design operating conditions:** Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.(Dimensions of the unit are subject to the actual product).

| MODEL | | | LBGF | | | | |
|---|---|---|---|---|---|---|---|
| | | | 100D | 105D | 110D | 120D | 140D |
| Compressor | Model | | SRL350B-DS | SRL370B-DS | SRL400B-DS | SRL480B-DS | SRL510B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 157.0 | 168.7 | 185.2 | 223.2 | 236.0 |
| | | Power(kW) | 65.3 | 67.4 | 73.5 | 85.9 | 91.0 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 128.7 | 138.7 | 152.3 | 183.5 | 194.0 |
| | | Power(kW) | 64.1 | 64.7 | 70.5 | 81.8 | 87.3 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 104.5 | 112.9 | 123.9 | 149.4 | 157.9 |
| | | Power(kW) | 63.5 | 63.0 | 68.7 | 79.3 | 84.9 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 185 | 209 | 217 | 250 | 258 |
| Suction Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Supply Port (mm) | | | ϕ42 | ϕ42 | ϕ42 | ϕ42 | ϕ42 |
| Discharge Port (mm) | | | ϕ67 | ϕ67 | ϕ67 | ϕ76 | ϕ76 |
| Liquid Inlet Port (mm) | | | ϕ54 | ϕ54 | ϕ54 | ϕ54 | ϕ54 |
| Dimensions | | L(mm) | 2000 | 2000 | 2100 | 2100 | 2200 |
| | | W(mm) | 1300 | 1300 | 1400 | 1400 | 1500 |
| | | H(mm) | 1400 | 1400 | 1500 | 1500 | 1500 |

- **Unit design operating conditions:** Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.(Dimensions of the unit are subject to the actual product).

# SCREW AIR COOLING SINGLE MACHINELOW TEMPERATURE SERIES 2

| MODEL | | | LBGF | | | | |
|---|---|---|---|---|---|---|---|
| | | | 150D | 160D | 180D | 200D | 210D |
| Compressor | Model | | SRL580B-DS | SRL610B-DS | SRL670B-DS | SRL720B-DS | SRL760B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 271.0 | 289.3 | 316.4 | 341.3 | 355.8 |
| | | Power(kW) | 102.9 | 111.1 | 121.3 | 128.5 | 140.8 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 223.5 | 237.8 | 260.1 | 280.6 | 292.0 |
| | | Power(kW) | 98.5 | 106.6 | 116.3 | 123.3 | 137.4 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 182.2 | 193.6 | 211.8 | 228.4 | 237.5 |
| | | Power(kW) | 95.8 | 103.7 | 113.1 | 120.0 | 136.0 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 330 | 335 | 340 | 375 | 379 |
| Suction Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Supply Port (mm) | | | DN40 | DN40 | DN40 | DN40 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ89 | ϕ89 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN80 |
| Dimensions | | L(mm) | 2200 | 2200 | 2200 | 2200 | 2500 |
| | | W(mm) | 1500 | 1500 | 1500 | 1500 | 1500 |
| | | H(mm) | 1500 | 1500 | 1500 | 1500 | 1800 |

- **Unit design operating conditions:**
  Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.
  (Dimensions of the unit are subject to the actual product).

| MODEL | | | LBGF | | | |
|---|---|---|---|---|---|---|
| | | | 220D | 230D | 240D | 250D |
| Compressor | Model | | SRL810B-DS | SRL850B-DS | SRL910B-DS | SRL940B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 382.1 | 400.2 | 434.1 | 446.3 |
| | | Power(kW) | 149.0 | 146.4 | 155.8 | 160.0 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 313.6 | 329.1 | 356.8 | 366.7 |
| | | Power(kW) | 145.4 | 140.4 | 149.3 | 153.4 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 255.1 | 267.9 | 290.5 | 298.4 |
| | | Power(kW) | 143.5 | 136.6 | 145.2 | 149.2 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 383 | 431 | 436 | 444 |
| Suction Port (mm) | | | ϕ108 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Supply Port (mm) | | | DN50 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ89 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 2500 | 3000 | 3000 | 3000 |
| | | W(mm) | 1500 | 1500 | 1500 | 1500 |
| | | H(mm) | 1800 | 1900 | 1900 | 1900 |

- **Unit design operating conditions:**
  Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.
  (Dimensions of the unit are subject to the actual product).

# AIR COOLED MEDIUM HIGH TEMPERATURE SCREW TWO PARALLEL SERIES 1

| MODEL | | | LBGF2 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 100L | 120L | 140L | 160L | 180L |
| Compressor | Model | | SRL160B-MS | SRL200B-MS | SRL240B-MS | SRL290B-MS | SRL330B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 207.6 | 258 | 316.6 | 384.6 | 433.6 |
| | | Power(kW) | 62 | 74.6 | 91.2 | 111.6 | 122.8 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 171 | 212.4 | 260.8 | 316.8 | 357.4 |
| | | Power(kW) | 59.4 | 71.6 | 87.4 | 106.4 | 117 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 139.6 | 173.4 | 212.8 | 258.6 | 291.6 |
| | | Power(kW) | 56.6 | 68.2 | 83.2 | 101 | 111.4 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 174 | 216 | 238 | 330 | 360 |
| Suction Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ108 | ϕ108 |
| Liquid Supply Port (mm) | | | DN40 | DN40 | DN40 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ76 | ϕ76 | ϕ76 | ϕ89 | ϕ89 |
| Liquid Inlet Port (mm) | | | DN50 | DN50 | DN50 | DN65 | DN65 |
| Dimensions | | L(mm) | 2400 | 2400 | 2600 | 3000 | 3000 |
| | | W(mm) | 1500 | 1500 | 1600 | 1800 | 1800 |
| | | H(mm) | 1800 | 1800 | 1800 | 1900 | 1900 |

- **Unit Design Conditions:**
  Evaporating Temperature -7℃, Ambient Temperature 35℃
  (Unit dimensions are subject to the actual product).

| MODEL | | | LBGF2 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 200L | 210L | 220L | 240L | 280L |
| Compressor | Model | | SRL350B-MS | SRL370B-MS | SRL400B-MS | SRL480B-MS | SRL510B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 464.6 | 496.4 | 545.6 | 656.8 | 694.6 |
| | | Power(kW) | 131.4 | 545.6 | 155.8 | 186 | 193.4 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 382.8 | 409 | 449.4 | 541 | 572.2 |
| | | Power(kW) | 125.2 | 136.8 | 149.2 | 178.2 | 185.2 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 312.4 | 333.6 | 366.8 | 441.4 | 466.8 |
| | | Power(kW) | 119.2 | 130.4 | 142.2 | 169.8 | 176.4 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 370 | 418 | 434 | 500 | 516 |
| Suction Port (mm) | | | ϕ108 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ89 | ϕ89 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Dimensions | | L(mm) | 3200 | 3200 | 3200 | 3200 | 3500 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 1900 | 1900 | 1900 | 1900 | 2000 |

- **Unit Design Conditions:**
  Evaporating Temperature -7℃, Ambient Temperature 35℃
  (Unit dimensions are subject to the actual product).

# AIR COOLED MEDIUM HIGH TEMPERATURE SCREW TWO PARALLEL SERIES 2

| MODEL | | | LBGF2 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 300L | 320L | 360L | 400L | 420L |
| Compressor | Model | | SRL580B-MS | SRL610B-MS | SRL670B-MS | SRL720B-MS | SRL760B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 791.6 | 851.2 | 931.4 | 1004.2 | 1053.2 |
| | | Power(kW) | 219.8 | 236.2 | 257.8 | 273.6 | 285.8 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 652.2 | 701.2 | 767.2 | 827.2 | 867.4 |
| | | Power(kW) | 210.4 | 226.2 | 247.2 | 262.2 | 272.8 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 532.2 | 572.2 | 626 | 675 | 707.4 |
| | | Power(kW) | 200 | 215.4 | 235.4 | 249.8 | 259.2 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 660 | 670 | 680 | 750 | 758 |
| Suction Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN65 |
| Discharge Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN80 |
| Dimensions | | L(mm) | 3500 | 3500 | 3500 | 3500 | 3500 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 | 2000 |

- **Unit Design Conditions:**
  Evaporating Temperature -7℃, Ambient Temperature 35℃
  (Unit dimensions are subject to the actual product).

| MODEL | | | LBGF2 | | | |
|---|---|---|---|---|---|---|
| | | | 440L | 460L | 480L | 500L |
| Compressor | Model | | SRL810B-MS | SRL850B-MS | SRL910B-MS | SRL940B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 1130.8 | 1177.4 | 1276.8 | 1316.6 |
| | | Power(kW) | 303 | 312.6 | 333 | 342.2 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 931.2 | 970 | 1051.8 | 1084.6 |
| | | Power(kW) | 289.2 | 299.6 | 319.2 | 328 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 759.4 | 791.4 | 858.4 | 885 |
| | | Power(kW) | 274.6 | 285.2 | 304 | 312.2 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 766 | 862 | 872 | 888 |
| Suction Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 3500 | 3500 | 4000 | 4000 |
| | | W(mm) | 1800 | 1800 | 2000 | 2000 |
| | | H(mm) | 2000 | 2000 | 2100 | 2100 |

- **Unit Design Conditions:**
  Evaporating Temperature -7℃, Ambient Temperature 35℃
  (Unit dimensions are subject to the actual product).

# AIR COOLED LOW TEMPERATURE SCREW TWO PARALLEL SERIES 1

| MODEL | | | LBGF2 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 100D | 120D | 140D | 160D | 180D |
| Compressor | Model | | SRL160B-DS | SRL200B-DS | SRL240B-DS | SRL290B-DS | SRL330B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 141.0 | 175.4 | 215.2 | 261.8 | 293.0 |
| | | Power(kW) | 58.8 | 70.6 | 86.2 | 105.4 | 122.2 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 116.0 | 144.2 | 177.0 | 215.2 | 240.2 |
| | | Power(kW) | 56.4 | 67.8 | 82.6 | 101.2 | 119.8 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 94.4 | 117.4 | 144.0 | 175.2 | 195.0 |
| | | Power(kW) | 54.8 | 66.0 | 80.4 | 98.6 | 118.6 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 174 | 216 | 238 | 330 | 360 |
| Suction Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ108 | ϕ108 |
| Liquid Supply Port (mm) | | | DN40 | DN40 | DN40 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ76 | ϕ76 | ϕ76 | ϕ89 | ϕ89 |
| Liquid Inlet Port (mm) | | | DN50 | DN50 | DN50 | DN65 | DN65 |
| Dimensions | | L(mm) | 2400 | 2400 | 2600 | 3000 | 3000 |
| | | W(mm) | 1500 | 1500 | 1600 | 1800 | 1800 |
| | | H(mm) | 1800 | 1800 | 1800 | 1900 | 1900 |

- **Unit design operating conditions:**
  Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.
  (Dimensions of the unit are subject to the actual product).

| MODEL | | | LBGF2 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 200D | 210D | 220D | 240D | 280D |
| Compressor | Model | | SRL350B-DS | SRL370B-DS | SRL400B-DS | SRL480B-DS | SRL510B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 314.0 | 337.4 | 370.4 | 446.4 | 472.0 |
| | | Power(kW) | 130.6 | 134.8 | 147.0 | 171.8 | 182.0 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 257.4 | 277.4 | 304.6 | 367.0 | 388.0 |
| | | Power(kW) | 128.2 | 129.4 | 141.0 | 163.6 | 174.6 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 209.0 | 225.8 | 247.8 | 298.8 | 315.8 |
| | | Power(kW) | 127.0 | 126.0 | 137.4 | 158.6 | 169.8 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 370 | 418 | 434 | 500 | 516 |
| Suction Port (mm) | | | ϕ108 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ89 | ϕ89 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Dimensions | | L(mm) | 3200 | 3200 | 3200 | 3200 | 3500 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 1900 | 1900 | 1900 | 1900 | 2000 |

- **Unit design operating conditions:**
  Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.
  (Dimensions of the unit are subject to the actual product).

# AIR COOLED LOW TEMPERATURE SCREW TWO PARALLEL SERIES 2

| MODEL | | | LBGF2 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 300D | 320D | 360D | 400D | 420D |
| Compressor | Model | | SRL580B-DS | SRL610B-DS | SRL670B-DS | SRL720B-DS | SRL760B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 542.0 | 578.6 | 632.8 | 682.6 | 711.6 |
| | | Power(kW) | 205.8 | 222.2 | 242.6 | 257.0 | 281.6 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 447.0 | 475.6 | 520.2 | 561.2 | 584.0 |
| | | Power(kW) | 197.0 | 213.2 | 232.6 | 246.6 | 274.8 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 364.4 | 387.2 | 423.6 | 456.8 | 475.0 |
| | | Power(kW) | 191.6 | 207.4 | 226.2 | 240.0 | 272.0 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 660 | 670 | 680 | 750 | 758 |
| Suction Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN65 |
| Discharge Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN80 |
| Dimensions | | L(mm) | 3500 | 3500 | 3500 | 3500 | 3500 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 | 2000 |

- **Unit design operating conditions:**
  Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.
  (Dimensions of the unit are subject to the actual product).

| MODEL | | | LBGF2 | | | |
|---|---|---|---|---|---|---|
| | | | 440D | 460D | 480D | 500D |
| Compressor | Model | | SRL810B-DS | SRL850B-DS | SRL910B-DS | SRL940B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 764.2 | 800.4 | 868.2 | 892.6 |
| | | Power(kW) | 298.0 | 292.8 | 311.6 | 320 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 627.2 | 658.2 | 713.6 | 733.4 |
| | | Power(kW) | 290.8 | 280.8 | 298.6 | 306.8 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 510.2 | 535.8 | 581.0 | 596.8 |
| | | Power(kW) | 287 | 273.2 | 290.4 | 298.4 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 766 | 862 | 872 | 888 |
| Suction Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 3500 | 3500 | 4000 | 4000 |
| | | W(mm) | 1800 | 1800 | 2000 | 2000 |
| | | H(mm) | 2000 | 2000 | 2100 | 2100 |

- **Unit design operating conditions:**
  Evaporation temperature -25℃, ambient temperature 35℃, operating with an economizer.
  (Dimensions of the unit are subject to the actual product).

# AIR COOLED MEDIUM HIGH TEMPERATURE SCREW THREE PARALLEL SERIES 1

| MODEL | | | LBGF3 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 150L | 180L | 210L | 240L | 270L |
| Compressor | Model | | SRL160B-MS | SRL200B-MS | SRL240B-MS | SRL290B-MS | SRL330B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 311.4 | 387 | 474.9 | 576.9 | 650.4 |
| | | Power(kW) | 93 | 111.9 | 136.8 | 167.4 | 184.2 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 256.5 | 318.6 | 391.2 | 475.2 | 536.1 |
| | | Power(kW) | 89.1 | 107.4 | 131.1 | 159.6 | 175.5 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 209.4 | 260.1 | 319.2 | 387.9 | 437.4 |
| | | Power(kW) | 84.9 | 102.3 | 124.8 | 151.5 | 167.1 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 261 | 324 | 357 | 495 | 540 |
| Suction Port (mm) | | | ϕ89*2 | ϕ89*2 | ϕ89*2 | ϕ108*2 | ϕ108*2 |
| Liquid Supply Port (mm) | | | DN40 | DN40 | DN40 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN50 | DN50 | DN50 | DN65 | DN65 |
| Dimensions | | L(mm) | 3200 | 3200 | 3400 | 4000 | 4000 |
| | | W(mm) | 1500 | 1500 | 1600 | 1800 | 1800 |
| | | H(mm) | 1800 | 1800 | 1800 | 1900 | 1900 |

- **Unit design operating conditions:**
  Evaporating temperature -7℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product).

| MODEL | | | LBGF3 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 300L | 315L | 330L | 360L | 420L |
| Compressor | Model | | SRL350B-MS | SRL370B-MS | SRL400B-MS | SRL480B-MS | SRL510B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 696.9 | 744.6 | 818.4 | 985.2 | 1041.9 |
| | | Power(kW) | 197.1 | 818.4 | 233.7 | 279 | 290.1 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 574.2 | 613.5 | 674.1 | 811.5 | 858.3 |
| | | Power(kW) | 187.8 | 205.2 | 223.8 | 267.3 | 277.8 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 468.6 | 500.4 | 550.2 | 662.1 | 700.2 |
| | | Power(kW) | 178.8 | 195.6 | 213.3 | 254.7 | 264.6 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 555 | 627 | 651 | 750 | 774 |
| Suction Port (mm) | | | ϕ108*2 | ϕ108*2 | ϕ108*2 | ϕ108*2 | ϕ108*2 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ108 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Dimensions | | L(mm) | 4000 | 4000 | 4000 | 4000 | 4000 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 1900 | 1900 | 1900 | 1900 | 1900 |

- **Unit design operating conditions:**
  Evaporating temperature -7℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product).

# AIR COOLED MEDIUM HIGH TEMPERATURE SCREW THREE PARALLEL SERIES 2

| MODEL | | | LBGF3 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 450L | 480L | 540L | 600L | 630L |
| Compressor | Model | | SRL580B-MS | SRL610B-MS | SRL670B-MS | SRL720B-MS | SRL760B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 1187.4 | 1276.8 | 397.1 | 1506.3 | 1579.8 |
| | | Power(kW) | 329.7 | 354.3 | 386.7 | 410.4 | 428.7 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 978.3 | 1051.8 | 1150.8 | 1240.8 | 1301.1 |
| | | Power(kW) | 351.6 | 113.1 | 370.8 | 393.3 | 409.2 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 798.3 | 858.3 | 939 | 1012.5 | 1061.1 |
| | | Power(kW) | 300 | 323.1 | 353.1 | 374.7 | 388.8 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 990 | 1005 | 1020 | 1125 | 1137 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ133 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN80 |
| Dimensions | | L(mm) | 4500 | 4500 | 4500 | 4500 | 4500 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 | 2000 |

- **Unit design operating conditions:**
  Evaporating temperature -7℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product).

| MODEL | | | LBGF3 | | | |
|---|---|---|---|---|---|---|
| | | | 660L | 690L | 720L | 750L |
| Compressor | Model | | SRL810B-MS | SRL850B-MS | SRL910B-MS | SRL940B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 1696.2 | 1766.1 | 1915.2 | 1974.9 |
| | | Power(kW) | 454.5 | 468.9 | 499.5 | 513.3 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 1396.8 | 1455 | 1577.7 | 1626.9 |
| | | Power(kW) | 433.8 | 449.4 | 478.8 | 492 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 1139.1 | 1187.1 | 1287.6 | 1327.5 |
| | | Power(kW) | 411.9 | 427.8 | 456 | 468.3 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 1149 | 1293 | 1308 | 1332 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 4500 | 4500 | 4800 | 4800 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 |

- **Unit design operating conditions:**
  Evaporating temperature -5℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product).

# AIR COOLED MEDIUM AND LOW TEMPERATURE SCREW THREE PARALLEL SERIES 1

| MODEL | | | LBGF3 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 150D | 180D | 210D | 240D | 270D |
| Compressor | Model | | SRL160B-DS | SRL200B-DS | SRL240B-DS | SRL290B-DS | SRL330B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 211.5 | 263.1 | 322.8 | 392.7 | 439.5 |
| | | Power(kW) | 88.2 | 105.9 | 129.3 | 158.1 | 183.3 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 174 | 216.3 | 265.5 | 322.8 | 360.3 |
| | | Power(kW) | 84.6 | 101.7 | 123.9 | 151.8 | 179.7 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 141.6 | 176.1 | 216 | 262.8 | 292.5 |
| | | Power(kW) | 82.2 | 99 | 120.6 | 147.9 | 177.9 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 261 | 324 | 357 | 495 | 540 |
| Suction Port (mm) | | | ϕ89*2 | ϕ89*2 | ϕ89*2 | ϕ108*2 | ϕ108*2 |
| Liquid Supply Port (mm) | | | DN40 | DN40 | DN40 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN50 | DN50 | DN50 | DN65 | DN65 |
| Dimensions | | L(mm) | 3200 | 3200 | 3400 | 4000 | 4000 |
| | | W(mm) | 1500 | 1500 | 1600 | 1800 | 1800 |
| | | H(mm) | 1800 | 1800 | 1800 | 1900 | 1900 |

- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

| MODEL | | | LBGF3 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 300D | 315D | 330D | 360D | 420D |
| Compressor | Model | | SRL350B-DS | SRL370B-DS | SRL400B-DS | SRL480B-DS | SRL510B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 471 | 506.1 | 555.6 | 669.6 | 708 |
| | | Power(kW) | 195.9 | 202.2 | 220.5 | 257.7 | 273 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 386.1 | 416.1 | 456.9 | 550.5 | 582 |
| | | Power(kW) | 192.3 | 194.1 | 211.5 | 245.4 | 261.9 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 313.5 | 338.7 | 317.7 | 448.2 | 473.7 |
| | | Power(kW) | 190.5 | 189 | 206.1 | 237.9 | 254.7 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 555 | 627 | 651 | 750 | 774 |
| Suction Port (mm) | | | ϕ108*2 | ϕ108*2 | ϕ108*2 | ϕ108*2 | ϕ108*2 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ108 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Dimensions | | L(mm) | 4000 | 4000 | 4000 | 4000 | 4000 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 1900 | 1900 | 1900 | 1900 | 1900 |

- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

# AIR COOLED MEDIUM AND LOW TEMPERATURE SCREW THREE PARALLEL SERIES 2

| MODEL | | | LBGF3 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 450D | 480D | 540D | 600D | 630D |
| Compressor | Model | | SRL580B-DS | SRL610B-DS | SRL670B-DS | SRL720B-DS | SRL760B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 813 | 867.9 | 949.2 | 1023.9 | 1067.4 |
| | | Power(kW) | 308.7 | 333.3 | 363.9 | 385.5 | 422.4 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 670.5 | 713.4 | 780.3 | 841.8 | 876 |
| | | Power(kW) | 295.5 | 319.8 | 348.9 | 369.9 | 412.2 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 546.6 | 580.8 | 635.4 | 685.2 | 712.5 |
| | | Power(kW) | 287.4 | 311.1 | 339.3 | 360 | 408 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 990 | 1005 | 1020 | 1125 | 1137 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ133 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN80 |
| Dimensions | | L(mm) | 4500 | 4500 | 4500 | 4500 | 4500 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 | 2000 |

- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

| MODEL | | | LBGF3 | | | |
|---|---|---|---|---|---|---|
| | | | 660D | 690D | 720D | 750D |
| Compressor | Model | | SRL810B-DS | SRL850B-DS | SRL910B-DS | SRL940B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 1146.3 | 1200.6 | 1302.3 | 1338.9 |
| | | Power(kW) | 447.0 | 439.2 | 467.4 | 480.0 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 940.8 | 987.3 | 1070.4 | 1100.1 |
| | | Power(kW) | 436.2 | 421.2 | 447.9 | 460.2 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 765.3 | 803.7 | 871.5 | 895.2 |
| | | Power(kW) | 430.5 | 409.8 | 435.6 | 447.6 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 1149 | 1293 | 1308 | 1332 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 4500 | 4500 | 4800 | 4800 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 |

- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

# SCREW AIR-COOLED MEDIUM AND HIGH TEMPERATURE SERIES WITH FOUR PARALLEL UNITS 1

| MODEL | | | LBGF4 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 200L | 240L | 280L | 320L | 360L |
| Compressor | Model | | SRL160B-MS | SRL200B-MS | SRL240B-MS | SRL290B-MS | SRL330B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 415.2 | 516 | 633.2 | 769.2 | 867.2 |
| | | Power(kW) | 124 | 149.2 | 182.4 | 223.2 | 245.6 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 342 | 424.8 | 521.6 | 633.6 | 714.8 |
| | | Power(kW) | 118.8 | 143.2 | 174.8 | 212.8 | 234 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 279.2 | 346.8 | 425.6 | 517.2 | 583.2 |
| | | Power(kW) | 113.2 | 136.4 | 166.4 | 202 | 222.8 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 348 | 432 | 476 | 660 | 720 |
| Suction Port (mm) | | | ϕ89*2 | ϕ89*2 | ϕ89*2 | ϕ108*2 | ϕ108*2 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN50 | DN50 | DN50 | DN65 | DN65 |
| Dimensions | | L(mm) | 3900 | 3900 | 4100 | 4500 | 4500 |
| | | W(mm) | 1500 | 1500 | 1600 | 1800 | 1800 |
| | | H(mm) | 1800 | 1800 | 1800 | 1900 | 1900 |

| MODEL | | | LBGF4 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 400L | 420L | 440L | 480L | 560L |
| Compressor | Model | | SRL350B-MS | SRL370B-MS | SRL400B-MS | SRL480B-MS | SRL510B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 929.2 | 992.8 | 1091.2 | 1313.6 | 1389.2 |
| | | Power(kW) | 262.8 | 1091.2 | 311.6 | 372 | 386.8 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 765.6 | 818 | 898.8 | 1082 | 1144.4 |
| | | Power(kW) | 250.4 | 273.6 | 298.4 | 356.4 | 370.4 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 624.8 | 667.2 | 733.6 | 882.8 | 933.6 |
| | | Power(kW) | 238.4 | 260.8 | 284.4 | 339.6 | 352.8 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 740 | 836 | 868 | 1000 | 1032 |
| Suction Port (mm) | | | ϕ108*2 | ϕ133*2 | ϕ133*2 | ϕ133*2 | ϕ133*2 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Dimensions | | L(mm) | 4700 | 4700 | 4700 | 4700 | 5000 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 1900 | 1900 | 1900 | 1900 | 2000 |

- **Unit design operating conditions:**
  Evaporating temperature -7℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product)

- **Unit design operating conditions:**
  Evaporating temperature -7℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product)

# SCREW AIR-COOLED MEDIUM AND HIGH TEMPERATURE SERIES WITH FOUR PARALLEL UNITS 2

| MODEL | | | LBGF4 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 600L | 640L | 720L | 800L | 840L |
| Compressor | Model | | SRL580B-MS | SRL610B-MS | SRL670B-MS | SRL720B-MS | SRL760B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 1583.2 | 1702.4 | 1862.8 | 2008.4 | 2106.4 |
| | | Power(kW) | 439.6 | 472.4 | 515.6 | 547.2 | 571.6 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 1304.4 | 1402.4 | 1534.4 | 1654.4 | 1734.8 |
| | | Power(kW) | 420.8 | 452.4 | 494.4 | 524.4 | 545.6 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 1064.4 | 1144.4 | 1252 | 1350 | 1414.8 |
| | | Power(kW) | 400 | 430.8 | 470.8 | 499.6 | 518.4 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 1320 | 1340 | 1360 | 1500 | 1516 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ133 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 5000 | 5000 | 5000 | 5000 | 5000 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 | 2000 |

- **Unit design operating conditions:**
  Evaporating temperature -7℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product)

| MODEL | | | LBGF4 | | | |
|---|---|---|---|---|---|---|
| | | | 880L | 920L | 960L | 1000L |
| Compressor | Model | | SRL810B-MS | SRL850B-MS | SRL910B-MS | SRL940B-MS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -5℃ | Cooling Capacity(kW) | 2261.2 | 2354.8 | 2553.6 | 2633.2 |
| | | Power(kW) | 606 | 625.2 | 666 | 684.4 |
| | Evaporation -10℃ | Cooling Capacity(kW) | 1862.4 | 1940 | 2103.6 | 2169.2 |
| | | Power(kW) | 578.4 | 599.2 | 638.4 | 656 |
| | Evaporation -15℃ | Cooling Capacity(kW) | 1518.8 | 1582.8 | 1716.8 | 1770 |
| | | Power(kW) | 549.2 | 570.4 | 608 | 624.4 |
| Applicable Warehouse Temperature (℃) | | | -5~5℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 1532 | 1724 | 1744 | 1776 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Discharge Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 5000 | 5000 | 5500 | 5500 |
| | | W(mm) | 1800 | 1800 | 2000 | 2000 |
| | | H(mm) | 2000 | 2000 | 2100 | 2100 |

- **Unit design operating conditions:**
  Evaporating temperature -7℃, ambient temperature 40℃
  (Unit dimensions are subject to the actual product)

# AIR COOLED LOW TEMPERATURE SCREW FOUR PARALLEL SERIES 1

| MODEL | | | LBGF4 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 200D | 240D | 280D | 320D | 360D |
| Compressor | Model | | SRL160B-DS | SRL200B-DS | SRL240B-DS | SRL290B-DS | SRL330B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 282 | 350.8 | 430.4 | 523.6 | 586 |
| | | Power(kW) | 117.6 | 141.2 | 172.4 | 210.8 | 244.4 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 232 | 288.4 | 354.0 | 430.4 | 480.4 |
| | | Power(kW) | 112.8 | 135.6 | 165.2 | 202.4 | 239.6 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 188.8 | 234.8 | 288 | 350.4 | 390.0 |
| | | Power(kW) | 109.6 | 132 | 160.8 | 197.2 | 237.2 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 348 | 432 | 476 | 660 | 720 |
| Suction Port (mm) | | | ϕ89*2 | ϕ89*2 | ϕ89*2 | ϕ108*2 | ϕ108*2 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ89 | ϕ89 | ϕ89 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN50 | DN50 | DN50 | DN65 | DN65 |
| Dimensions | | L(mm) | 3900 | 3900 | 4100 | 4500 | 4500 |
| | | W(mm) | 1500 | 1500 | 1600 | 1800 | 1800 |
| | | H(mm) | 1800 | 1800 | 1800 | 1900 | 1900 |

| MODEL | | | LBGF4 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 400D | 420D | 440D | 480D | 560D |
| Compressor | Model | | SRL350B-DS | SRL370B-DS | SRL400B-DS | SRL480B-DS | SRL510B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 628.0 | 674.8 | 740.8 | 892.8 | 944 |
| | | Power(kW) | 261.2 | 269.6 | 294.0 | 343.6 | 364 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 514.8 | 554.8 | 609.2 | 734 | 776 |
| | | Power(kW) | 256.4 | 258.8 | 282.0 | 327.2 | 349.2 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 418 | 451.6 | 495.6 | 597.6 | 631.6 |
| | | Power(kW) | 254 | 252 | 274.8 | 317.2 | 339.6 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 740 | 836 | 868 | 1000 | 1032 |
| Suction Port (mm) | | | ϕ108*2 | ϕ133*2 | ϕ133*2 | ϕ133*2 | ϕ133*2 |
| Liquid Supply Port (mm) | | | DN50 | DN50 | DN50 | DN50 | DN50 |
| Discharge Port (mm) | | | ϕ108 | ϕ108 | ϕ108 | ϕ108 | ϕ108 |
| Liquid Inlet Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Dimensions | | L(mm) | 4700 | 4700 | 4700 | 4700 | 5000 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 1900 | 1900 | 1900 | 1900 | 2000 |

- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

# AIR COOLED LOW TEMPERATURE SCREW FOUR PARALLEL SERIES 2

| MODEL | | | LBGF4 | | | | |
|---|---|---|---|---|---|---|---|
| | | | 600D | 650D | 720D | 800D | 840D |
| Compressor | Model | | SRL580B-DS | SRL610B-DS | SRL670B-DS | SRL720B-DS | SRL760B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | | |
| | Energy Regulation | | 66%-100% | | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 1084 | 1157.2 | 1265.6 | 1365.2 | 1423.2 |
| | | Power(kW) | 411.6 | 444.4 | 485.2 | 514 | 563.2 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 894 | 951.2 | 1040.4 | 1122.4 | 1168 |
| | | Power(kW) | 394 | 426.4 | 465.2 | 493.2 | 549.6 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 728.8 | 774.4 | 847.2 | 913.6 | 950 |
| | | Power(kW) | 383.2 | 414.8 | 452.4 | 480 | 544 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | | |
| Refrigerant | | | R22 | | | | |
| Power Supply | | | 380V/3P/50Hz | | | | |
| Maximum Operating Current (A) | | | 1320 | 1340 | 1360 | 1500 | 1516 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN65 | DN65 | DN65 | DN65 | DN65 |
| Discharge Port (mm) | | | ϕ133 | ϕ133 | ϕ133 | ϕ133 | ϕ133 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 5000 | 5000 | 5000 | 5000 | 5000 |
| | | W(mm) | 1800 | 1800 | 1800 | 1800 | 1800 |
| | | H(mm) | 2000 | 2000 | 2000 | 2000 | 2000 |

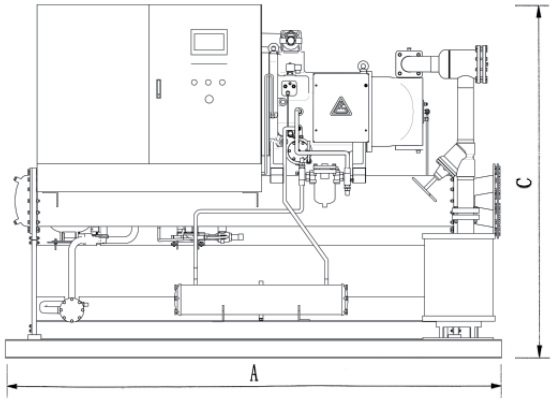
| MODEL | | | LBGF4 | | | |
|---|---|---|---|---|---|---|
| | | | 880D | 920D | 960D | 1000D |
| Compressor | Model | | SRL810B-DS | SRL850B-DS | SRL910B-DS | SRL940B-DS |
| | Type | | Semi-hermetic Screw Compressor | | | |
| | Energy Regulation | | 66%-100% | | | |
| Cooling Capacity and Power | Evaporation -20℃ | Cooling Capacity(kW) | 1528.4 | 1600.8 | 1736.4 | 1785.2 |
| | | Power(kW) | 596 | 585.6 | 623.2 | 640.2 |
| | Evaporation -25℃ | Cooling Capacity(kW) | 1254.4 | 1316.4 | 1427.2 | 1466.8 |
| | | Power(kW) | 581.6 | 561.6 | 597.2 | 613.6 |
| | Evaporation -30℃ | Cooling Capacity(kW) | 1020.4 | 1071.6 | 1162 | 1193.6 |
| | | Power(kW) | 574 | 546.4 | 580.8 | 596.8 |
| Applicable Warehouse Temperature (℃) | | | -20~-15℃ | | | |
| Refrigerant | | | R22 | | | |
| Power Supply | | | 380V/3P/50Hz | | | |
| Maximum Operating Current (A) | | | 1532 | 1724 | 1744 | 1776 |
| Suction Port (mm) | | | ϕ159*2 | ϕ159*2 | ϕ159*2 | ϕ159*2 |
| Liquid Supply Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Discharge Port (mm) | | | ϕ159 | ϕ159 | ϕ159 | ϕ159 |
| Liquid Inlet Port (mm) | | | DN80 | DN80 | DN80 | DN80 |
| Dimensions | | L(mm) | 5000 | 5000 | 5500 | 5500 |
| | | W(mm) | 1800 | 1800 | 2000 | 2000 |
| | | H(mm) | 2000 | 2000 | 2100 | 2100 |

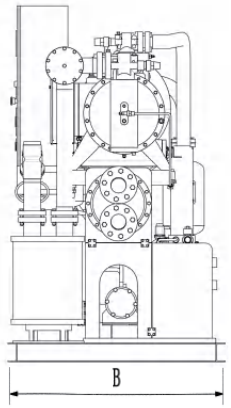
- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

- **Design operating conditions of the unit:**
  Evaporation temperature -25℃, ambient temperature 40℃, operating with an economizer.
  (The dimensions of the unit are subject to the actual product).

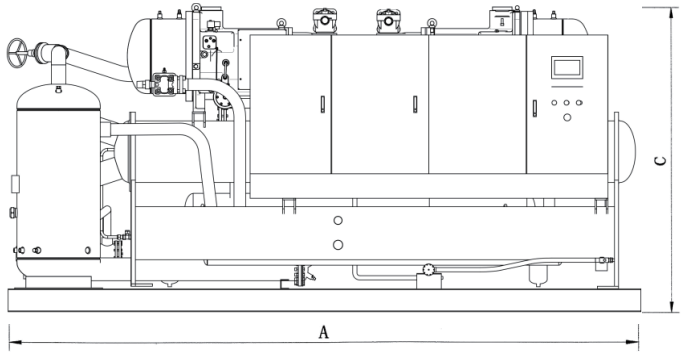
# UNIT DIMENSION DIAGRAM

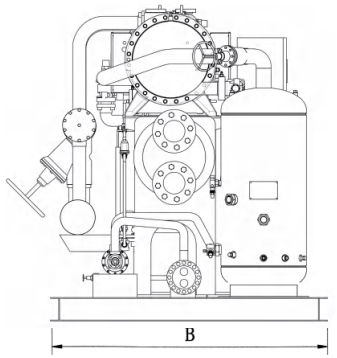
## LBGS-xxM Single Unit Schematic Diagram



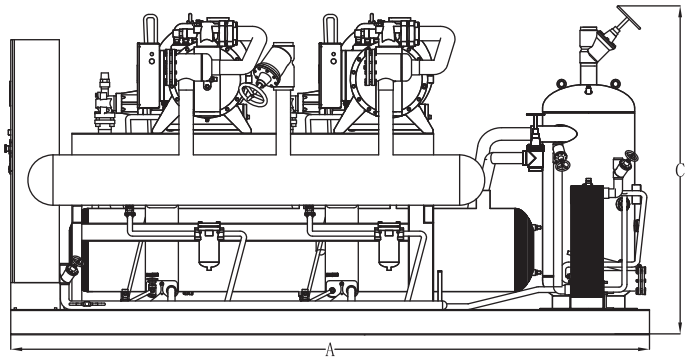

## HLGS-xx Water-Cooled Parallel Unit Schematic Diagram

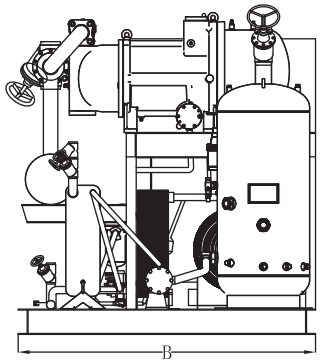


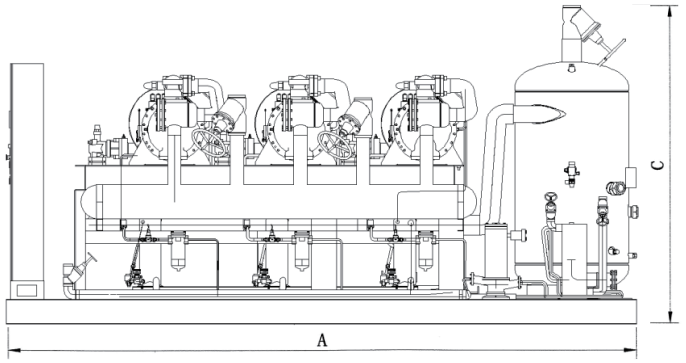
# UNIT DIMENSION DIAGRAM

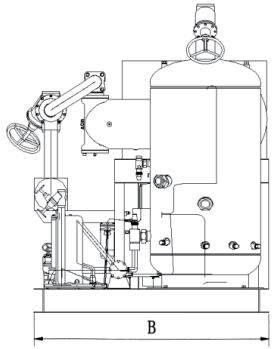
## LBGFx-xxM Air-Cooled Parallel Unit Schematic Diagram




## HLGFx-xxL Air-Cooled Parallel Unit Schematic Diagram



# FLAND COLD STORAGE ENCLOSURE SYSTEM

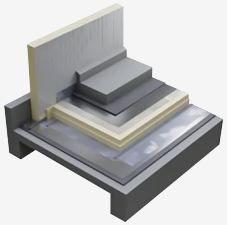
## Mature and comprehensive system

Fully leverage the overall advantages of prefabricated cold storage.

Suspended Ceiling System

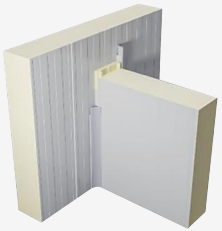
Cold Storage Insulated Door

Wall Panel and Corner Ceiling

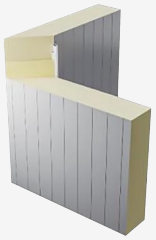


Cold Storage Floor

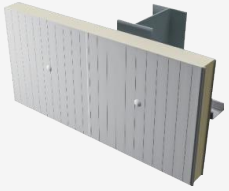
Wall Panel Installation



Wall Panel and Partition



Wall Panel Corner



Reinforced Wall Panel Installation

# PU COLD STORAGE PANEL

Made with pentane foaming,it has excellent insulation and fire resistance,outstanding high and low temperature stability,and a higher fire rating.It is environmentally friendly and is the preferred material for constructing various types of cold storage projects.

## THERMAL INSULATION

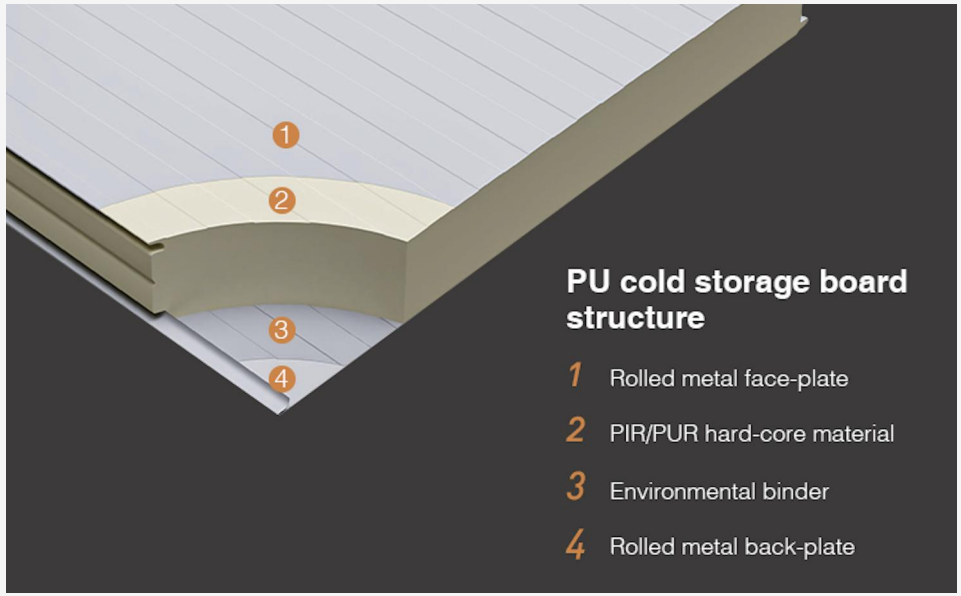
Adopting the new generation of pentane-foamed polyurethane rigid core material, the thermal conductivity of polyurethane rigid foam is ≤ 0.024 W/(M·K);The dense foam is fully bonded to the facing material, forming an uninterrupted thermal shield, effectively blocking heat conduction, and offering excellent insulation performance.

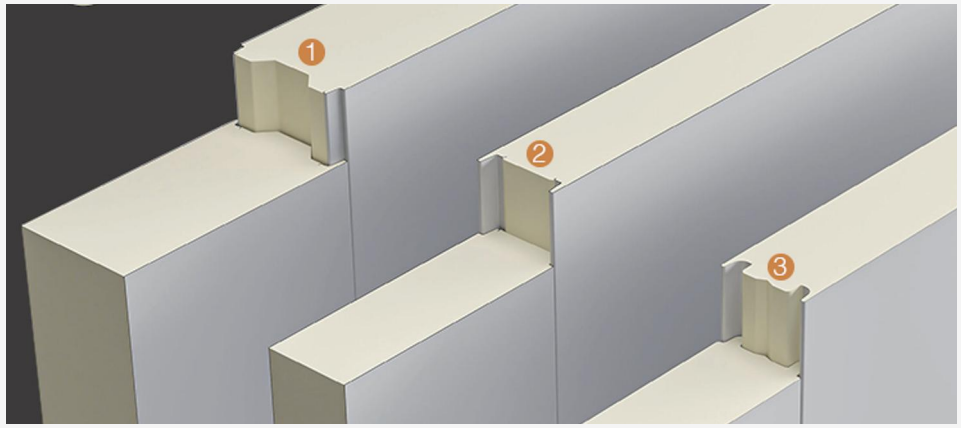
## WATERPROOF PERFORMANCE

The closed-cell rate of polyurethane rigid foam insulation material can reach over 95%, with an absorption rate of ≤ 2%, which is superior to the requirements of the Chinese national standard (GB/T21558-2008).

## FIRE RETARDANT

B1-grade next-generation pentane-based polyurethane rigid core material fully complies with the GB8624-2012 "Classification for Fire Performance of Building Materials and Products" standard. As a thermoset material, it offers good structural stability and meets customers' demands for higher fire resistance. The combination of polyurethane with metal facing further enhances the flame retardancy of the panels.



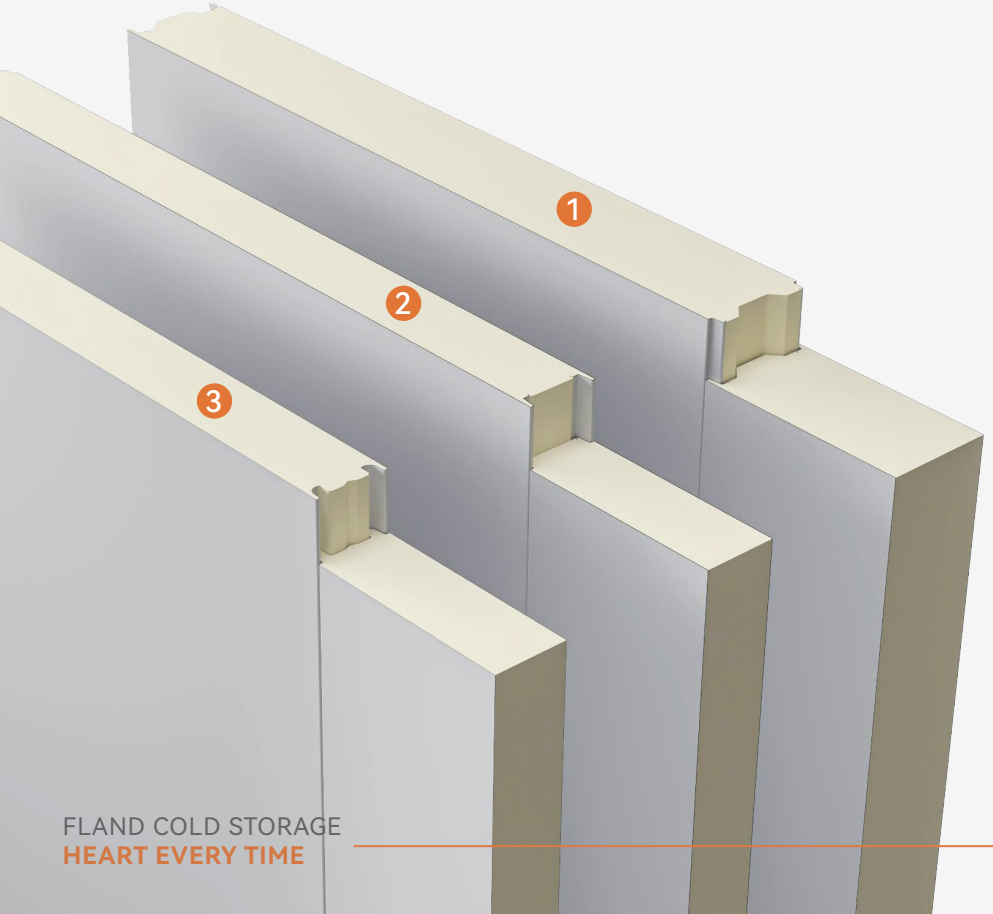
# PANEL TYPES

Three types of plug-in interfaces meet various application requirements.

1 E-Channel Panel

2 C-Channel Panel

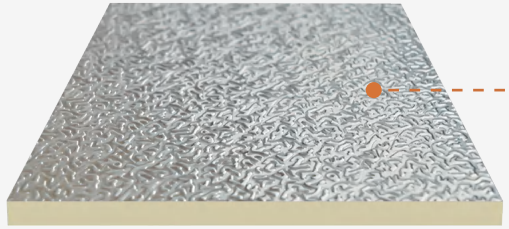
2 W-Channel Panel



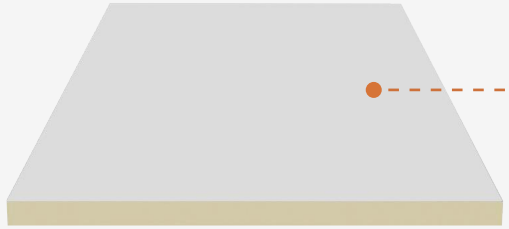

# PANEL MATERIAL

Embossed Aluminum Plate

Stainless Steel Plate

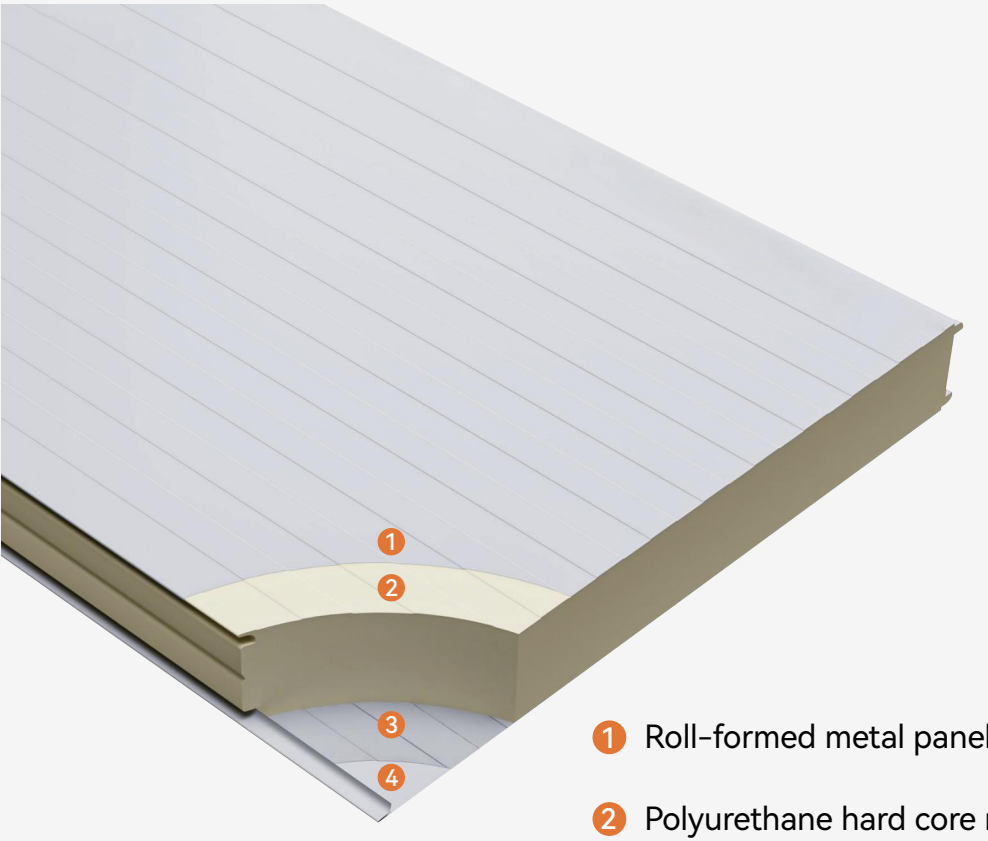


Orange Peel Aluminum Plate



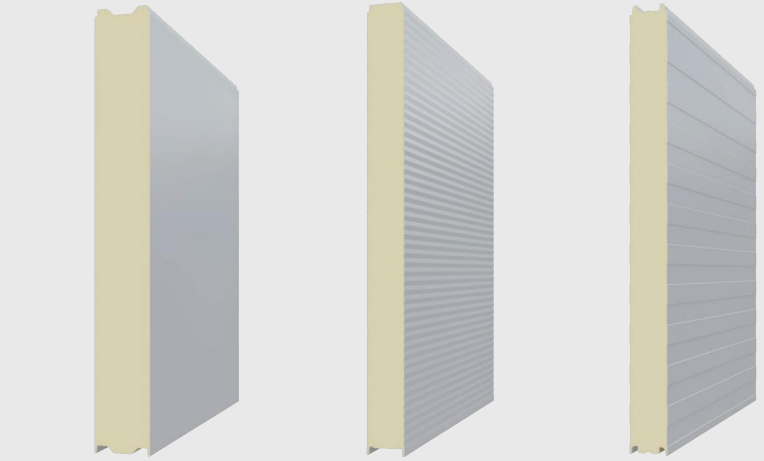
Double-sided Color Steel Plate

# PANEL CONSTRUCTION




1. Roll-formed metal panel
2. Polyurethane hard core material
3. Environmentally friendly adhesive
4. Roll-formed metal back panel

# PANEL SPECIFICATIONS



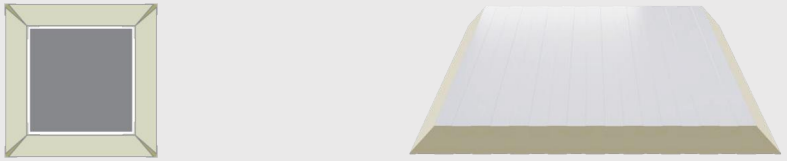
Smooth and Flat | Water Ripple (or simply Ripple) | Straight Ribbed

| | |
|---|---|
| **WIDTH** | 920~1,130mm |
| **THICKNESS** | 40/60/100/150/180/200/220/250mm |
| **LENGTH** | ≤24,000mm |
| **CORE MATERIAL** | PIR/PUR polyurethane |
| **THERMAL CONDUCTIVITY** | ≤0.024 (w/m·k) |
| **FIRE RATING** | B1 rating |
| **PANEL TYPE** | E type/C type/W type |
| **SURFACE TEXTURE** | Smooth and flat / Water ripple pattern / Straightened ribbing |

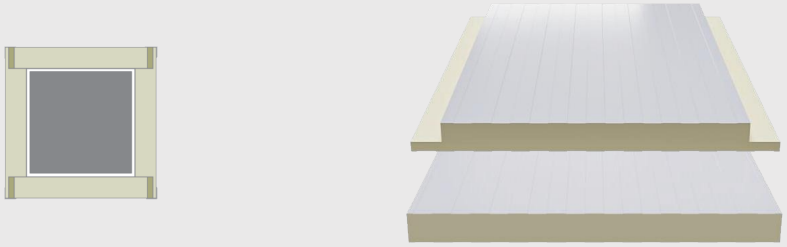
# SPECIAL-SHAPED PLATE

Integrated corner panel

L-shaped corner panel

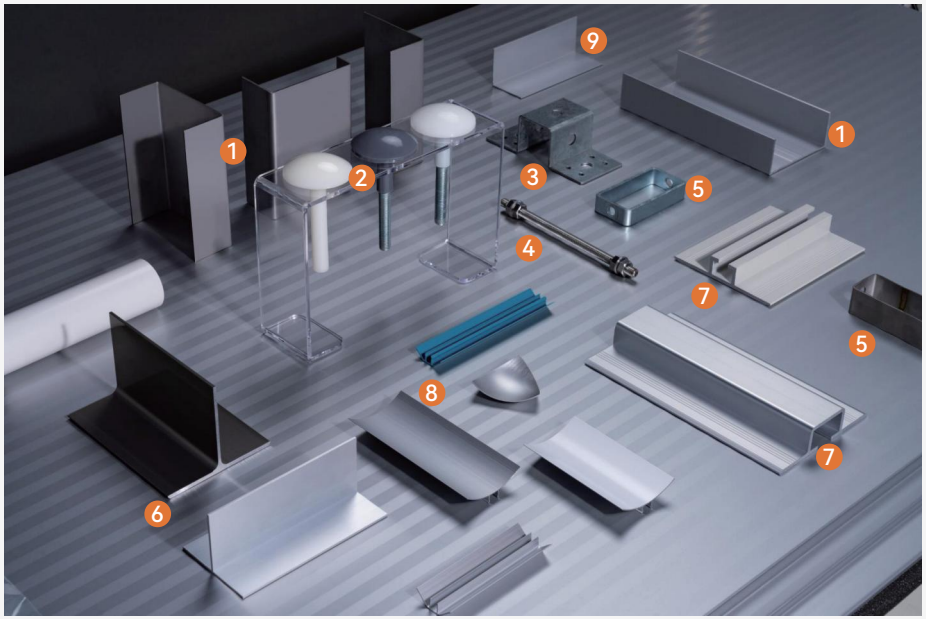


corner joint panel



Flat corner panel

# MOUNTING AUXILIARY ACCESSORIES




1 Positioning groove
2 Mushroom head bolt
3 Angle piece
4 Suspended rod screw
5 Square adjuster
6 T-section aluminum
7 Aluminum beam support
8 Curved aluminum
9 Angle aluminum

# COLD STORAGE DOOR

## ELECTRIC SLIDING DOOR/SLIDING DOOR

Reliable, durable, and aesthetically pleasing cold storage insulating door

| | |
|---|---|
| **MAXIMUM SIZE** | Width 3,000mm, Height 4,000mm |
| **POWER SUPPLY** | 220V, 50HZ, Motor power 0.75-1.5KW Heating cable for electrical components and mechanical parts 30W/m |
| **OPERATING SPEED** | 0.3-1.0M/S |
| **WORKING LIFE** | No less than 1,000,000 cycles |
| **OPENING FUNCTION** | Remote control, manual, electric opening (pull rope or button), related equipment linkage |
| **INSULATION PERFORMANCE** | Thermal conductivity coefficient 0.024W/m²K |
| **DOOR THICKNESS** | 100/150mm, broken cold bridge structure |
| | Prepainted steel plate: Thickness 0.6-0.8mm, PE, customizable color<br>Stainless steel: Thickness 0.8-1.0mm, 2B surface/brushed/surface embossed |

## FULL-BURIED DOOR/SEMI-BURIED DOOR

Simple, reliable, and superior sealing cold storage insulation door

| | |
|---|---|
| **MAXIMUM SIZE** | Width 1,200mm, Height 2,200mm |
| **POWER SUPPLY** | 220V, 50HZ |
| **WORKING LIFE** | Not less than 1,000,000 cycles |
| **INSULATION PERFORMANCE** | Thermal conductivity coefficient 0.024W/m²K |
| **DOOR THICKNESS** | 100/150mm, broken cold bridge structure |
| **DOOR MATERIAL** | Prepainted steel plate: Thickness 0.6-0.8mm, PE, customizable color<br>Stainless steel: Thickness 0.8-1.0mm, 2B surface/brushed/surface embossed |

# COLD STORAGE DOOR

## FULL-BURIED DOOR/SEMI-BURIED DOOR WITH OBSERVATION WINDOW

Quick opening and closing, reduced convection, energy saving and consumption reduction

| | |
|---|---|
| MAXIMUM SIZE | Width 1,200mm, Height 2,200mm, Observation window 500mm, 500mm |
| POWER SUPPLY | 220V, 50HZ, Motor power 0.75-1.5KW Heating cable for electrical components and mechanical parts 30W/m |
| OPERATING SPEED | 0.8-2.4m/s |
| WORKING LIFE | Not less than 1,000,000 cycles |
| OPENING FUNCTION | Manual opening (pull rope), radar, magnetic, remote control, related equipment linkage |
| INSULATION PERFORMANCE | Thermal conductivity coefficient 0.024W/m²K |
| DOOR THICKNESS | 100/150mm |
| DOOR MATERIAL | PVC door body, aluminum alloy broken cold bridge profile door body, customizable color |

## DOUBLE DOOR

Quick opening and closing, reduced convection, energy saving and consumption reduction

| | |
|---|---|
| MAXIMUM SIZE | Width 2,000mm, Height 2,200mm |
| POWER SUPPLY | 220V, 50HZ, Motor power 1.5KW Heating cable for electrical components and mechanical parts 30W/m |
| OPERATING SPEED | 0.8-2.4m/s |
| WORKING LIFE | Not less than 1,000,000 cycles |
| OPENING FUNCTION | Manual opening (pull rope), radar, magnetic, remote control, related equipment linkage |
| INSULATION PERFORMANCE | Thermal conductivity coefficient 0.024W/m²K |
| DOOR THICKNESS | 100/150mm |
| DOOR MATERIAL | PVC door body, aluminum alloy broken cold bridge profile door body, customizable color |

# FLAND COLD CLOUD

### LOW-ENERGY CONSUMPTION OF COLD STORAGE

- FRESH - KEEPING TECHNOLOGY
- TEMPERATURE CONTROL

Real-time monitoring of product temperature enhances the quality of cold cutting and ensures data transparency and traceability.

### AI INTELLIGENT ANALYSIS

- AI FAULT DIAGNOSIS
- INTELLIGENT ANALYSIS

Based on the operating parameters of the cold storage and combined with the usage habits of the cold storage,big data analysis is used to formulate cold storage operation strategies.

### LONG SERVICE LIFE

- MAINTENANCE PLAN
- FAULT DIAGNOSIS

Can generate maintenance plans and provide regular maintenance reminders,preventing the cold storage from operating with malfunctions.


### LOW-ENERGY CONSUMPTION OF COLD STORAGE

- BIG DATA ENERGY SAVING
- INTELLIGENT DEFROSTING

The intelligent defrosting algorithm actively analyzes and continuously optimizes the defrosting logic.

### EARLY RISK DETECTION

- RISK EARLY WARNING
- REMOTE HANDLING

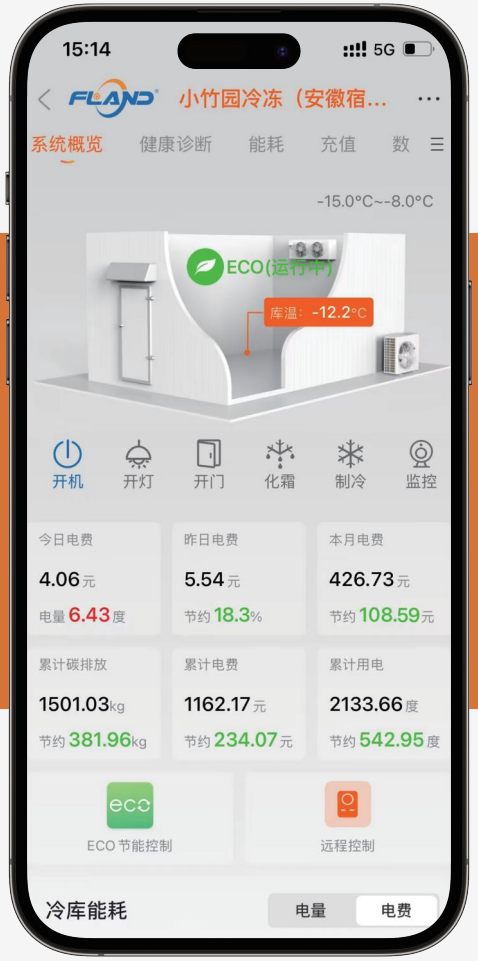
Risk early warning is advanced by 5 hours,ensuring early detection and prompt handling.Remote rapid response enables timely problem-solving.

### MONITORING IS MORE COMPREHENSIVE

- WHOLE - MACHINE MONITORING
- USAGE MONITORING

Pressure,Temperature,Voltage,Current,Monitoring,Door Opening and Closing Detection,Comprehensive Monitoring of Equipment Operation.

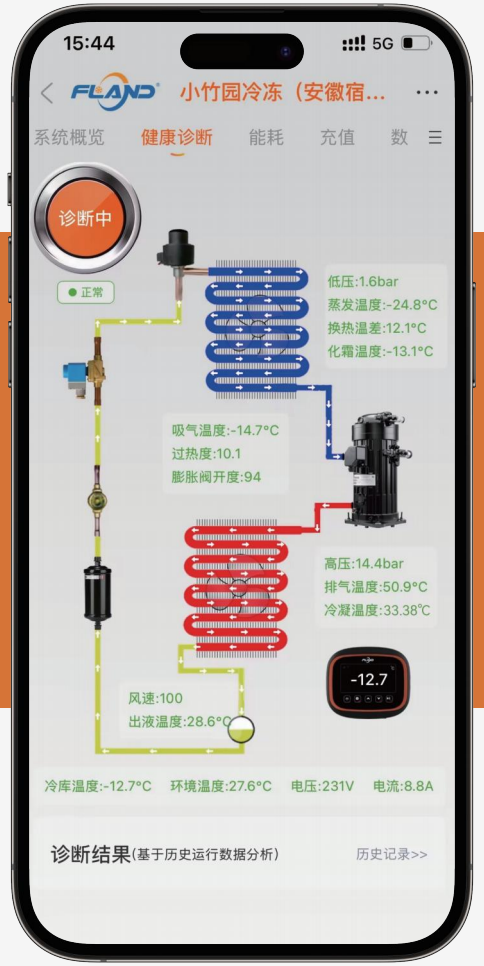
# SMART MOBILE COLD STORAGE




## ECO BIG DATA ENERGY SAVING

- After the Fulande cold storage is switched to AI intelligent learning mode, it will automatically collect your cold storage usage habits, environmental temperature, system operation status, etc.;
- Automatically generate the best operating parameters for the cold storage to achieve big data cloud energy saving, with energy saving effects reaching 30%;
- During operation, please do not turn off the cold storage; if you reset the parameters, the system will enter re-learning mode, with a learning period of about 1-2 days.

# SMART MOBILE COLD STORAGE




## AI HEALTH DIAGNOSIS

- AI one-click cold storage health diagnosis, perceives subtle changes, intelligently analyzes potential risks, provides early warning maintenance, more worry-free;
- By reading parameters such as pressure, temperature, voltage, and current, comprehensively monitors equipment operation;
- Through video monitoring and door opening/closing monitoring, standardizes the use of cold storage.

# SMART MOBILE COLD STORAGE


## LIFECYCLE MANAGEMENT

- Can automatically generate maintenance plans, provide regular maintenance reminders, prevent the cold storage from operating with issues, and avoid small problems from becoming major ones;
- Risk warning function, can send warning information through text messages, emails, voice, and other methods, for early detection and early handling;
- Quick remote response, online maintenance available, problems can be solved in a timely manner.

FLAND

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