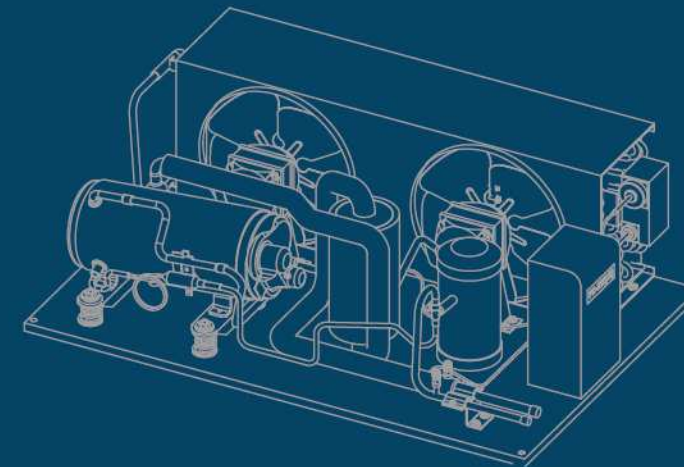
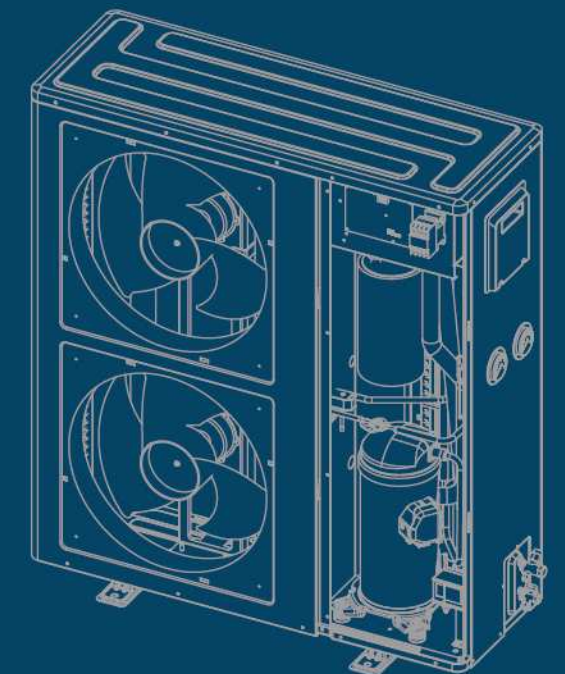


# BOYANG UNIT

## CATALOG



 **浙江博阳压缩机有限公司**  
**ZHEJIANG BOYANG COMPRESSOR CO.,LTD.**

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E-Catalog



Official Website

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**BOYARD**  
**博阳机组**

BOYARD

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关于我们 ABOUT US

浙江博阳压缩机有限公司成立于2006年，是一家专业从事卡车、新能源汽车、房车、移动冷链运输车制冷压缩机、中低温压缩机及冷凝机组产品技术研发、生产、制造、销售和服务为一体的国家级高新技术企业。公司始终坚持“诚信、执着、创新、共赢”的企业核心价值观，经过多年的创新发展，博阳压缩机已在同行业中遥遥领先。

公司立足科技创新，倡导绿色环保理念，产品已获得浙江省名牌产品荣誉。是省级高新技术企业研发中心，全国家用电器标准化技术委员会冷链用压缩机标准起草单位，并受邀参与起草了《冷冻冷藏用喷液旋转式压缩机行业标准》。公司倡导自主创新，已获得国家专利局授权专利37项，其中发明专利6项，实用新型31项。

公司占地33000㎡,建筑面积21000㎡，拥有员工近400人。现代化标准厂房、技术研发中心和先进的检测设备，拥有工业产品生产许可证资质，具备年产100万台转子压缩机的能力。2018年江南工厂筹建完成，工厂占地面积98亩，建筑面积30137㎡,项目总投资2.5亿元，主要生产制冷机组及相关制冷产品。建立了完整的产品质量保证体系和环境管理体系，通过IATF16949质量体系认证、ISO14001环境管理体系认证、CCC、CE、UL、RoHS、REACH等多项认证。

公司始终坚持“质量第一，信誉第一”的宗旨，以科学的管理手段，雄厚的技术力量，不断深化改革，创新机制，适应市场，全面发展，不断拓展压缩机的应用领域，产品广泛应用于商超冷柜、物流冷链、冷库、除湿干燥设备、液体冷却、电池热管理、新能源汽车、卡车、船舶等不同的领域。公司凭借着良好的产品性价比和完善的售后服务体系，已与众多的国内外客户建立了良好的合作关系，产品远销欧盟、北美、澳洲、中东、东南亚、南非、南美洲等国家和地区。

Zhejiang Boyang Compressor Co., LTD was born in 2006,is a state-level high-tech enterprise specializing in R&D, production, manufacture, sales and service of refrigeration compressors and units for trucks, new energy vehicles, RV and mobile cold chain transport vehicles, Medium and low temperature compressor and condensing unit. The company always adheres to the core values of "Faith, Persistence, Innovation, win-win situation" . After years of continuous innovation and development, Boyang Compressor has taken the lead in the industry.

Based on scientific and technological innovation, the company advocates the concept of green environmental protection. The products have won the honor of Zhejiang brand products. It is the research and development center of provincial high-tech enterprises, the drafting unit of the National Standardization Technical Committee of Household Appliances for Cold Chain Compressor Standards, and has been invited to participate in the drafting of the "Industrial standard for liquid injection rotary compressors for refrigeration". The company advocates independent innovation and has obtained 37 patents authorized by the State Patent Office, including 6 invention patents and 31 utility models.

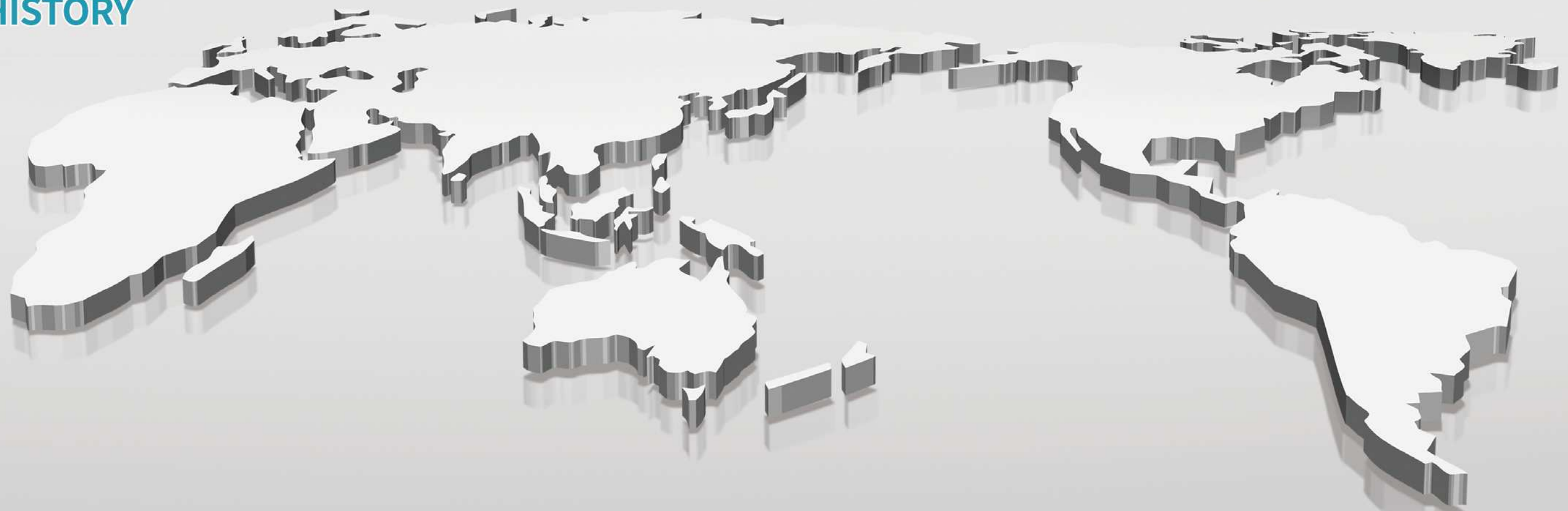
The company covers 33,000 square meters including 20,000 square meters of architectural area and nearly 400 employees. We have advanced production line, testing equipment and R&D center, We have the qualification of industrial product production license and the ability to produce 1 million rotary compressors per year. jiangnan factory construction completed in 2018, the factory covers an area of 98 acres, construction area of 30137 square meters, the total investment of 250 million yuan, the main production of refrigeration unit and related cooling products.A complete product quality assurance system and environmental management system have been established. It has passed IATF16949 quality system certification, ISO14001 environmental management system certification, CCC, CE, UL, RoHS, REACH and other certifications.

The company always adheres to the tenet of "quality first, reputation first". With scientific management means and strong technical force, it continuously deepens reform, innovates mechanism, adapts to market, develops all-round development and expands compressor application fields. The products are widely used in commercial ultra-cold cabinets, logistics cold chain, cold storage, dehumidification and drying equipment, liquid cooling, battery heat management, new energy automobiles. Different fields such as trucks, ships, etc. With good product cost performance and perfect after-sales service system, the company has established good cooperative relations with many domestic and foreign customers. The products are exported to European Union, North America, Australia, Middle East, Southeast Asia, South Africa, South America and other countries and regions.



## 发展历程

## DEVELOPMENT HISTORY



**2002**

公司通过ISO9001  
质量体系认证  
Passed ISO9001

**2005**

公司主要产品获得  
CCC/CE/TUV/ROHS证书  
Obtained CCC/CE/TUV/ROHS  
certificates

**2008**

成功开发DC12/24/48/  
72/312V直流变频压缩机  
Developed DC 12/24/48/72/312V  
DC inverted frequency AC  
compressor

**2012**

投入生产技改, 实现产能  
100万台  
Achieved 1 million units  
compressor annual production capacity

**2016**

TS16949全面推行  
Passed TS16949

**2022**

箱式机组批量销售  
Batch selling of Box-type unit

**2001**

公司创立, 开发出高效  
节能空调压缩机, 并投  
入生产  
High efficiency AC compressor  
been put in production

**2004**

成功开发中低温压缩机  
和卧式车用空调压缩机  
Developed low temp compressor  
and horizontal vehicle AC compressor

**2006**

实现公司产品转型, 主导  
产品以特种压缩机和机组  
为主  
Company focused on special  
type compressor and  
condensing unit

**2010**

成立省级研发中心, 获得  
国家高新技术企业称号  
Established state R&D center  
and nominated with national  
high-tech company

**2013**

纯电动车用直流变频压缩  
机量产  
DC electric car AC compressor  
been put in production

**2018**

二期工厂全自动化机组  
生产线投入使用  
New automated condensing unit  
production line put in use

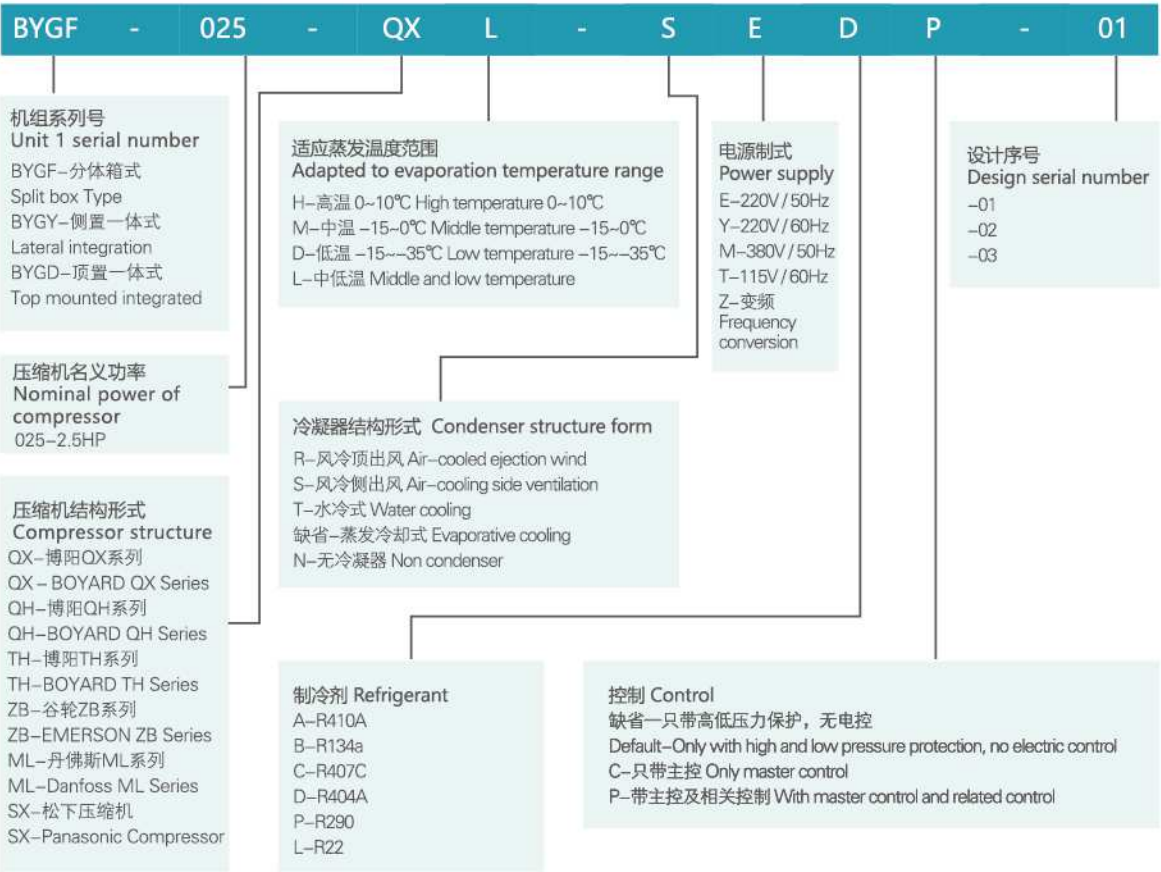
# 产品命名

## PRODUCT NAMING

### 命名方法 (一)



### 命名方法(二)



# 产品型谱

## PRODUCT TYPE SPECTRUM

| 换热形式 | 结构形式   | 冷媒    | 电源规格                 | 马力 (HP) |       |       |       |       |       |       |
|------|--------|-------|----------------------|---------|-------|-------|-------|-------|-------|-------|
|      |        |       |                      | 0.75HP  | 1.0HP | 1.5HP | 2.0HP | 2.5HP | 3.0HP | 4.0HP |
| 风冷   | 卧式标准型  | R22   | 1PH 220V/50Hz        |         |       |       |       |       |       |       |
|      |        | R290  | 1PH 220V ~ 240V/50Hz |         |       |       |       |       |       |       |
|      |        | R404A | 1PH 220V ~ 240V/50Hz |         |       |       |       |       |       |       |
|      |        | R404A | 1PH 220V ~ 240V/60Hz |         |       |       |       |       |       |       |
|      | 卧式变频型  | R404A | 1PH 220V/50Hz ~ 60Hz |         |       |       |       |       |       |       |
|      | 卧式接水盘型 | R404A | 1PH 220V ~ 240V/50Hz |         |       |       |       |       |       |       |
|      | 立式标准型  | R404A | 1PH 220V ~ 240V/50Hz |         |       |       |       |       |       |       |
| 水冷   | 一体变频型  | R404A | 1PH 220V 50/60Hz     |         |       |       |       |       |       |       |
|      |        | R404A | 1PH 220V ~ 240V/50Hz |         |       |       |       |       |       |       |

| 换热形式 | 压缩机品牌 | 电源形式                 | 用途   | 制冷剂       | 马力 (HP) |       |       |       |       |       |       |       |       |       |
|------|-------|----------------------|------|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |       |                      |      |           | 1.0HP   | 1.5HP | 2.0HP | 2.5HP | 3.0HP | 3.5HP | 4.0HP | 5.0HP | 6.0HP | 7.0HP |
| 风冷   | 博阳    | 1PH 220V/50Hz        | 冷冻冷藏 | R404A     |         |       |       |       |       |       |       |       |       |       |
|      |       | 3HP 380V/50Hz        | 冷冻冷藏 | R404A     |         |       |       |       |       |       |       |       |       |       |
|      |       | 1PH 220V/50Hz ~ 60Hz | 冷冻冷藏 | R404A     |         |       |       |       |       |       |       |       |       |       |
|      |       | 3HP 380V/50Hz ~ 60Hz | 冷冻冷藏 | R404A     |         |       |       |       |       |       |       |       |       |       |
|      | 松下    | 3HP 380V/50Hz        | 冷藏   | R22       |         |       |       |       |       |       |       |       |       |       |
|      |       |                      | 冷冻   | R22/R404A |         |       |       |       |       |       |       |       |       |       |
| 水冷   | 谷轮    | 3HP 380V/50Hz        | 冷藏   | R22/R404A |         |       |       |       |       |       |       |       |       |       |
|      |       |                      | 冷冻   | R404A     |         |       |       |       |       |       |       |       |       |       |
|      | 日立    | 3HP 380V/50Hz ~ 60Hz | 冷冻   | R404A     |         |       |       |       |       |       |       |       |       |       |
|      | 三菱    | 3HP 380V/50Hz ~ 60Hz | 冷冻   | R410A     |         |       |       |       |       |       |       |       |       |       |

# 产品特点

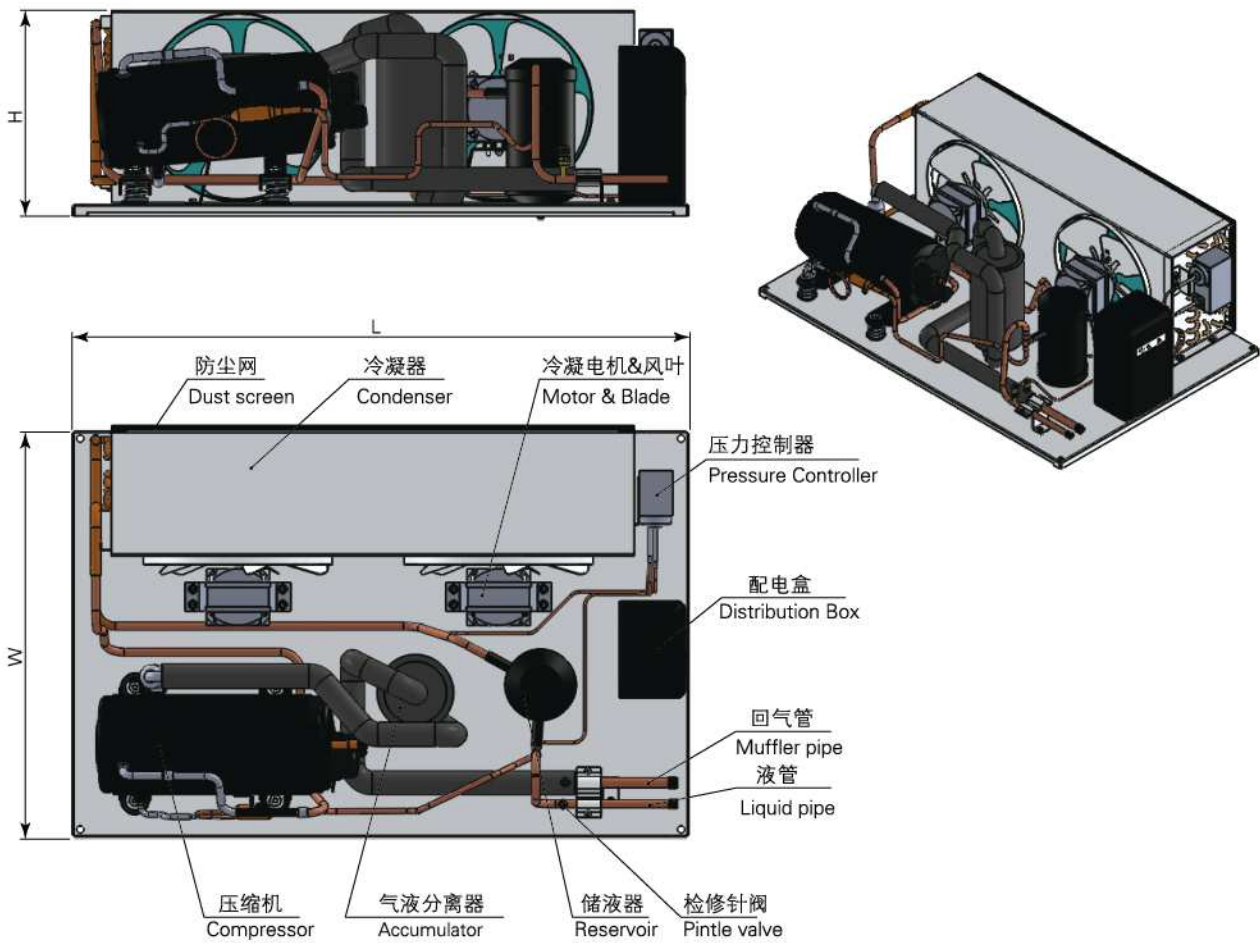
## PRODUCT FEATURES

### 卧式机组特点:

- 适用于中低温工况，可在蒸发温度-40~5℃范围内运行；
- 满足多品类制冷剂，如R290、R22、R404A等同品制冷剂；
- 满足多种电源规格，如220V/50Hz、220V/60Hz或115V/60Hz；
- 满足不同马力需求，涵盖0.75~3.0HP；
- 结构紧凑，安装简单，可提供差异化定制，安装高度可低至200mm。

### Horizontal Unit Features:

- Be suitable for MBP&LBP application, Eva. temp. of running range from -40 ~ 5 °C;
- Able to run with a variety of refrigerant, such as R290, R22, R404A, etc.;
- Able to run under a variety of power supply, such as 220V/50Hz, 220V/60Hz or 115V/60Hz, etc.;
- Able to Meet different horsepower requirements, ranging from 0.75 ~ 3.0HP;
- With Compact size, easy installing, can be customized, and the height of installing limits can be less than 200mm.



# 产品特点

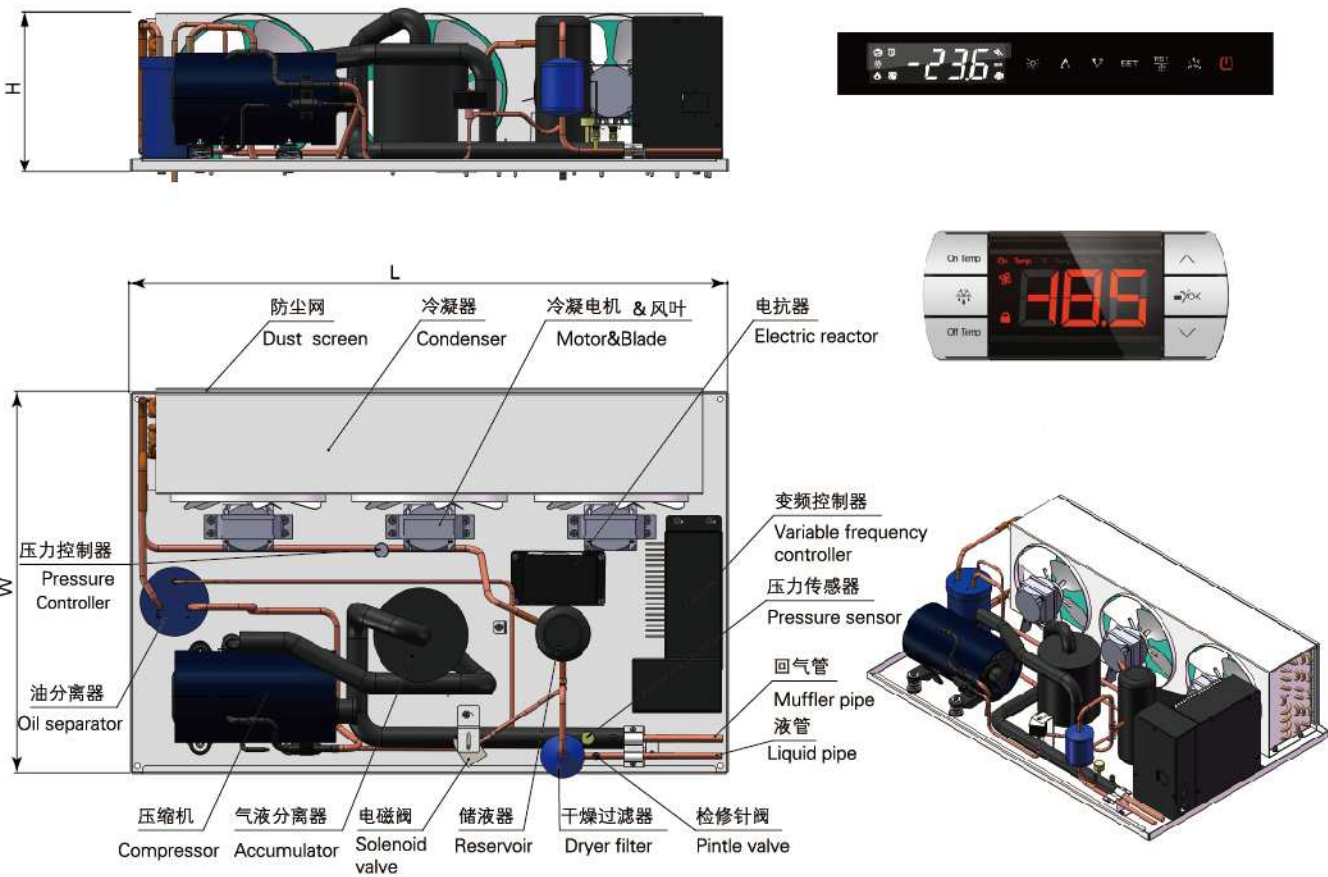
## PRODUCT FEATURES

### 变频机组特点:

- 适用于中低温工况，可在蒸发温度-40~5℃范围内运行；
- 满足多品类制冷剂，如R290、R404A等同品制冷剂；
- 快速降温，精准控温，温差范围±0.5℃；
- 高效节能，节能效果25%以上；
- 控制方案灵活，可根据目标温度变频控制或根据低压压力设定值变频控制，控制器内部参数设定开放，厂家可DIY设定；
- 满足不同应用场景，适用于一拖一或一拖多。

### Variable Frequency Unit Features:

- Be suitable for MBP&LBP application, Eva. temp. of running range from -40 ~ 5 °C;
- Able to run with a variety of refrigerant, such as R290, R404A, etc.;
- Fast cooling and temp. can be controlled precisely, temp. variations between ± 0.5 °C;
- High efficiency and energy saving efficiency can be more than 25%;
- Flexible control programme, variable frequency can be set according to target temp or low voltage setting. The parameter setting of the controller is open, and the manufacturer can set DIY;
- Able to run under a variety of applications, especially suitable for one-to-one or one-to-multi.



# 产品特点

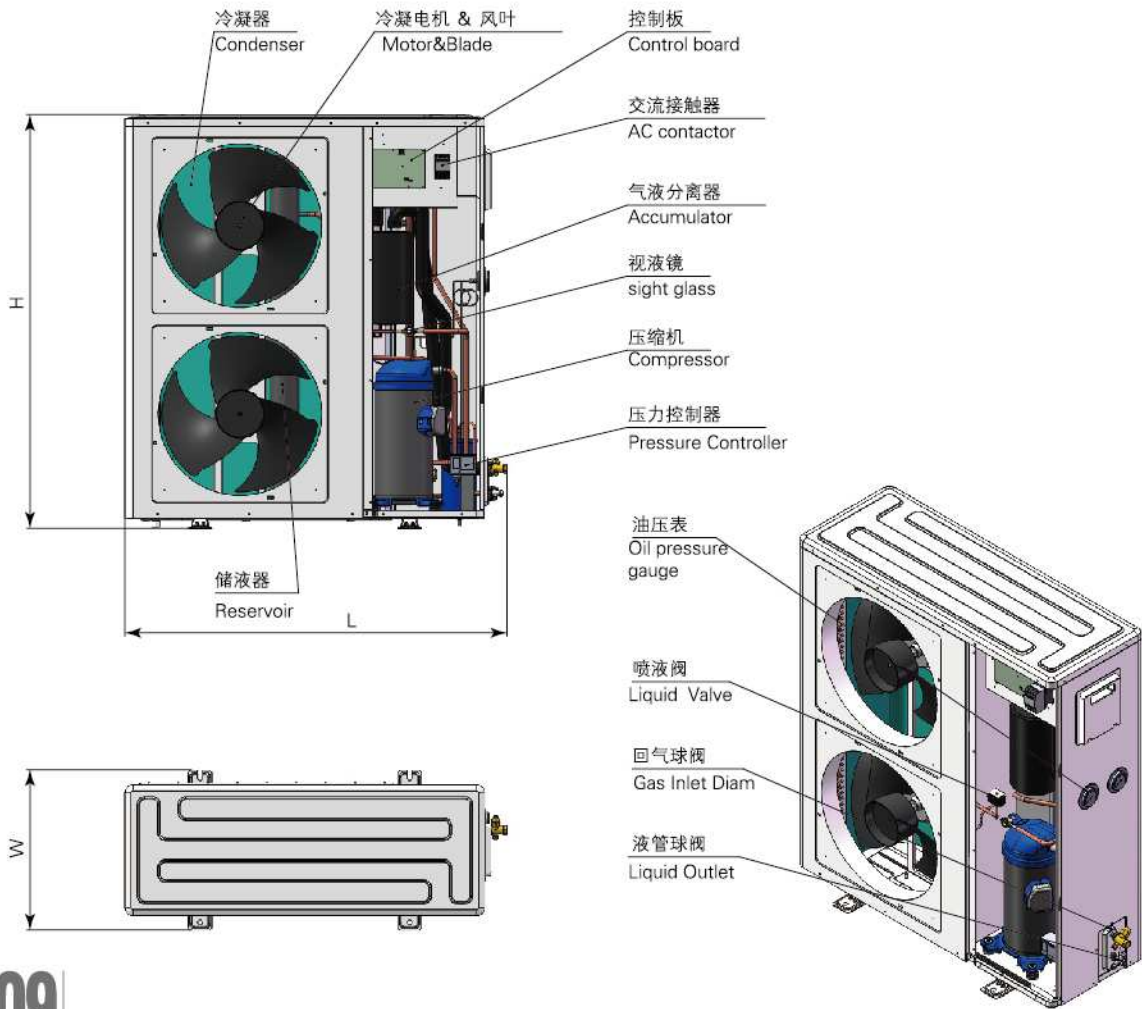
## PRODUCT FEATURES

### 箱式机组特点:

- 产品包含定频机组与变频机组，马力涵盖1~12HP;
- 满足多品牌压缩机需求，包含博阳、谷轮、松洋、日立等;
- 冷凝器优化升级，降低冷媒加注量，换热面积相较于市面同类产品加大20%以上，可满足48℃环温正常工作;
- 整机标配微电脑控制板、视液镜，方便终端调试;
- 可提供差异化定制。

### Outdoor Unit Features:

- Include fixed frequency unit and variable frequency unit, horse power from 1 to 12HP;
- Able to assemble with multi-brand compressors, such as BOYARD, COPELAND, SANYO, HITACHI, etc.;
- The condenser is optimized and upgraded to reduce the charging volume of refrigerant. The heat exchange area is more than 20% larger than competitive products in market, able to be run at 48 °C ambient temp.;
- The unit is equipped with microcomputer control panel and sight glass as standard, which is convenient for terminal commissioning;
- Able to be customized based on customer's requirement.



# 产品特点

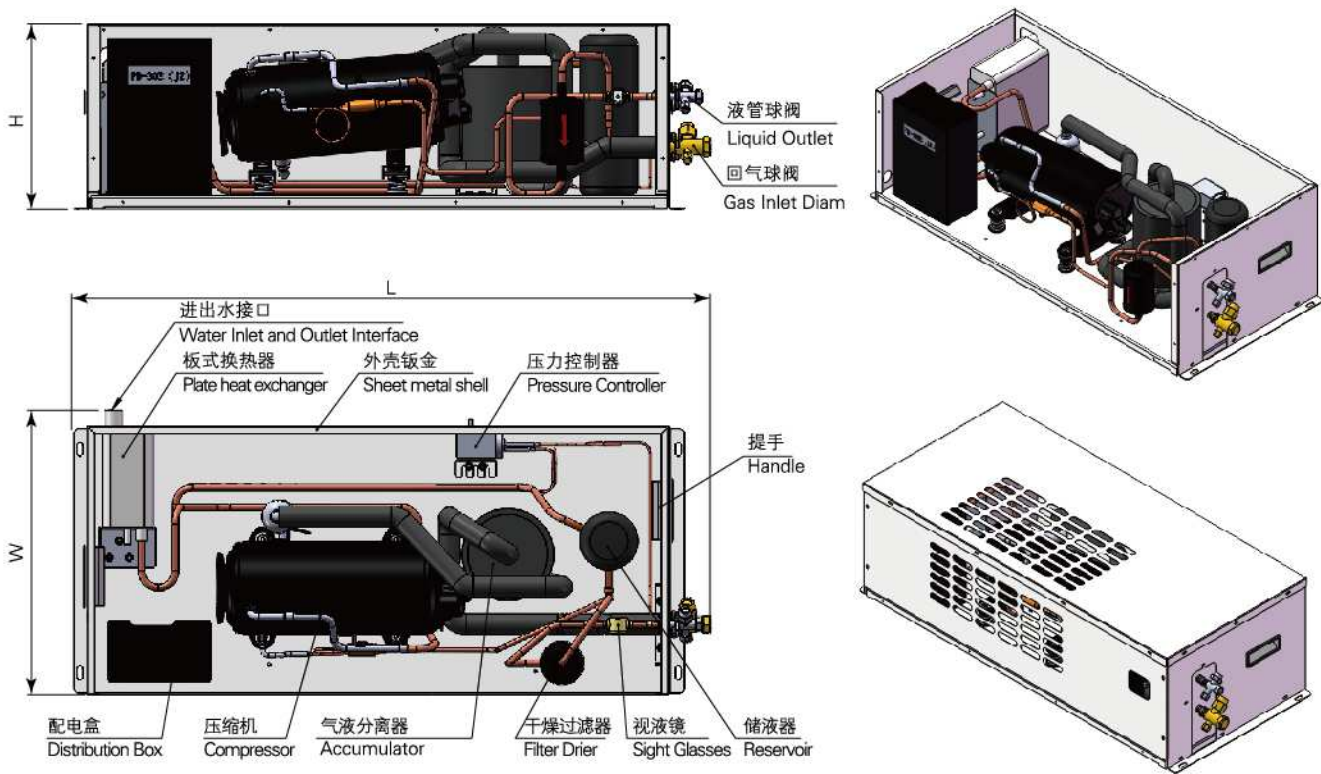
## PRODUCT FEATURES

### 水冷机组特点:

- 产品包含定频机组与变频机组，马力涵盖1~12HP;
- 适用于中低温工况，可在蒸发温度-40~5℃范围内运行;
- 制冷剂加注量小;
- 满足多品类制冷剂，如R290、R404A等同品制冷剂;
- 可以提供全封闭干冷器配套使用;
- 调试简单，只需要接水路和电线连接。

### Water-cooling Unit Features:

- Include fixed frequency unit and variable frequency unit, horse power from 1 to 12HP;
- Be suitable for MBP&LBP application, Eva. temp. of running range from -40 ~ 5 °C ;
- Charging small volume of refrigerant;
- Able to run with a variety of refrigerant, such as R290, R404A, etc.;
- Able to work together with hermetic dry cooler;
- Simple commissioning, only need to connect with water and wires.



# 产品特点

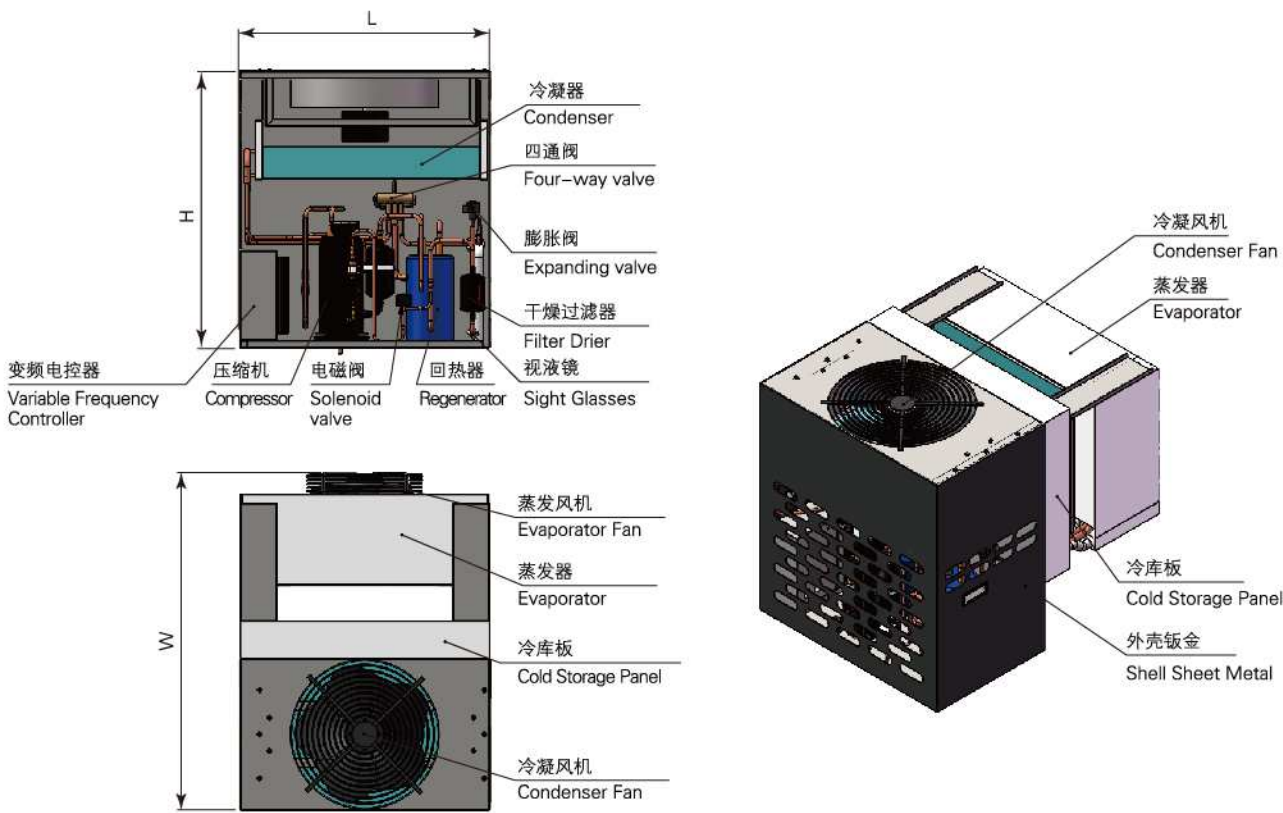
## PRODUCT FEATURES

### 一体机组特点:

- 产品包含定频机组与变频机组，马力涵盖1~12HP;
- 安装简单，即插即用，现场安装无需焊接与充注制冷剂;
- 使用电子膨胀阀节流控制;
- 使用四通阀热气化霜，化霜方案可选择定时化霜或按需化霜;
- 冷凝水可以实现自蒸发。

### Integrated Unit Features:

- Include fixed frequency unit and variable frequency unit, horse power from 1 to 12HP;
- Easy installation, plug and play, no need welding or refrigerant charging;
- Throttling control by electronic expansion valve;
- Defrosting by four-way valve,and the defrosting scheme can be timed or done as required;
- Condensated water can be self-evaporated.



# 产品外形图

## PRODUCT OUTLINE DRAWING



性能参数 PERFORMANCE PARAMETER

博阳1–3HP箱式定频冷冻冷藏机组技术数据 (R404A)

Boyard 1–3HP fixed frequency freezing and refrigeration outdoor unit technical data (R404A)

| 机组型号 Model                      |                                   | BYGF-010-<br>QXD-SEDP                                                                                                                                                                                                                                                                              | BYGF-015-<br>QXD-SEDP | BYGF-020-<br>QXD-SEDP | BYGF-025-<br>QXD-SEDP | BYGF-030-<br>QXD-SEDP | BYGF-030-<br>QXD-SMDP |
|---------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 电源 Power Supply                 |                                   | 1PH 220V/50Hz                                                                                                                                                                                                                                                                                      |                       |                       |                       |                       | 3PH<br>380V 50Hz      |
| 马力 Horsepower                   |                                   | 1 HP                                                                                                                                                                                                                                                                                               | 1.5 HP                | 2 HP                  | 2.5 HP                | 3 HP                  | 3 HP                  |
| 冷媒 Refrigerant                  |                                   | R404A 或等同品 R404A or equivalent                                                                                                                                                                                                                                                                     |                       |                       |                       |                       |                       |
| 最大充注量 Refrigerant Max. (Kg)     |                                   | 1.5                                                                                                                                                                                                                                                                                                | 2.0                   | 2.5                   | 3.0                   | 3.5                   | 3.5                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                   | -40 ~ -5℃                                                                                                                                                                                                                                                                                          |                       |                       |                       |                       |                       |
| 环境温度范围 Ambient Temp(°C)         |                                   | -15 ~ 46℃                                                                                                                                                                                                                                                                                          |                       |                       |                       | -15 ~ 46℃             |                       |
| 基础配置<br>Basic<br>configuration  | 压缩机 Compressor                    | QXD-16K                                                                                                                                                                                                                                                                                            | QXD-23K               | QXD-30K               | QXD-36K               | TXSD456KS             | TXSD456F              |
|                                 | 压力控制器<br>Pressure Controller(Mpa) | 膜片式高压压力开关和低压压力开关<br>Diaphragm type high pressure switch and low pressure switch                                                                                                                                                                                                                    |                       |                       |                       |                       |                       |
|                                 | 风扇电机 Fan Motor                    | 40W*1                                                                                                                                                                                                                                                                                              |                       |                       |                       | 65W*1                 |                       |
|                                 | 储液器 Reservoir                     | -                                                                                                                                                                                                                                                                                                  |                       | 0.8L                  |                       | 2.5L                  |                       |
|                                 | 视液镜 Sight glass                   | -                                                                                                                                                                                                                                                                                                  |                       | 3/8                   |                       |                       |                       |
|                                 | 油压表 Oil pressure gauge            | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                                                                   |                       |                       |                       |                       |                       |
|                                 | 干燥过滤器 Dryer filter                | 083S                                                                                                                                                                                                                                                                                               |                       |                       |                       |                       |                       |
|                                 | 单向阀 Check valve                   | Φ19*110                                                                                                                                                                                                                                                                                            |                       |                       |                       | SR-10                 |                       |
| 选配<br>Choose<br>configuration   | 气液分离器 Accumulator                 | 0.6L                                                                                                                                                                                                                                                                                               |                       | 1L                    |                       |                       |                       |
|                                 | 制冷电磁阀 Solenoid valve              | 3/8                                                                                                                                                                                                                                                                                                |                       |                       |                       |                       |                       |
|                                 | 曲轴加热带 Crankshaft heating belt     | 27W                                                                                                                                                                                                                                                                                                |                       | 35W                   |                       |                       |                       |
| 电控<br>Electric<br>control       | 交流接触器 AC contactor                | 18/01                                                                                                                                                                                                                                                                                              |                       |                       |                       | 25/01                 | 18/01                 |
|                                 | 控制板 Control board                 | 相序保护和缺相保护、排气温度保护、喷液控制、冷凝风扇调速控制、故障代码报警输出等功能或风机<br>开停控制 Functions such as phase sequence protection and phase loss protection, exhaust<br>temperature protection, liquid spraying control, speed regulation control of condensing fan,<br>fault code alarm output, etc Or Fan start and stop control |                       |                       |                       |                       |                       |
| 接管(mm)<br>Pipe                  | 吸气口(直径) Gas Inlet Diam OD         | 1/2" (12.7)                                                                                                                                                                                                                                                                                        |                       |                       |                       | 5/8" (15.88)          |                       |
|                                 | 液体出口(直径) Liquid Outlet OD         | 1/4" (6.35)                                                                                                                                                                                                                                                                                        |                       | 3/8" (9.53)           |                       |                       |                       |
| 产品尺寸 Product size(mm)           |                                   | 900*350*610                                                                                                                                                                                                                                                                                        |                       |                       |                       | 1015*420*850          |                       |
| 安装尺寸 Installation dimension(mm) |                                   | 500*320                                                                                                                                                                                                                                                                                            |                       |                       |                       | 580*385               |                       |
| R404A<br>制冷量(W)<br>Capacity     | 蒸发温度(°C) Evap Temp                | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32℃ 过冷度 Subcooled Temp:0℃                                                                                                                                                                                                                   |                       |                       |                       |                       |                       |
|                                 | -40                               | 530                                                                                                                                                                                                                                                                                                | 670                   | 880                   | 980                   | 1365                  | 1365                  |
|                                 | -35                               | 700                                                                                                                                                                                                                                                                                                | 870                   | 1100                  | 1250                  | 1625                  | 1625                  |
|                                 | -30                               | 800                                                                                                                                                                                                                                                                                                | 980                   | 1350                  | 1450                  | 2060                  | 2060                  |
|                                 | -25                               | 970                                                                                                                                                                                                                                                                                                | 1230                  | 1550                  | 1730                  | 2485                  | 2485                  |
|                                 | -20                               | 1220                                                                                                                                                                                                                                                                                               | 1500                  | 2000                  | 2200                  | 3100                  | 3100                  |
|                                 | -15                               | 1550                                                                                                                                                                                                                                                                                               | 1770                  | 2400                  | 2710                  | 3550                  | 3550                  |
|                                 | -10                               | 1750                                                                                                                                                                                                                                                                                               | 2250                  | 2800                  | 3250                  | 4525                  | 4525                  |
| -5                              | 2000                              | 2600                                                                                                                                                                                                                                                                                               | 3150                  | 3900                  | 5440                  | 5440                  |                       |

博阳2–12HP箱式变频冷冻冷藏机组技术数据 (R404A)

Boyard 2–12HP variable frequency freezing and refrigeration outdoor unit technical data (R404A)

| 机组型号 Model                      |                                               | BYGF-020-QXL-SZDP                                                                                                                                                                                                                                                                                      | BYGF-030-QXL-SZDP | BYGF-040-QXL-SZDP | BYGF-060-HIL-SZDP | BYGF-080-HIL-SZDP | BYGF-100-SLL-SZDP | BYGF-120-SLL-SZDP |
|---------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                 |                                               | 1PH 220V 50/60 Hz                                                                                                                                                                                                                                                                                      |                   |                   | 3PH 380V 50/60 Hz |                   |                   |                   |
| 变频控制方案 Inverter control scheme  |                                               | 根据温控器变频控制或低压压力变频控制<br>Frequency conversion control according to temperature controller or low pressure frequency conversion control                                                                                                                                                                    |                   |                   |                   |                   |                   |                   |
| 马力 Horsepower                   |                                               | 2 HP                                                                                                                                                                                                                                                                                                   | 3 HP              | 4 HP              | 6 HP              | 8 HP              | 10HP              | 12HP              |
| 冷媒 Refrigerant                  |                                               | R404A或等同品 R404A or equivalent                                                                                                                                                                                                                                                                          |                   |                   |                   |                   | R410A             |                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                               | -40~-5℃                                                                                                                                                                                                                                                                                                |                   |                   |                   |                   |                   |                   |
| 基础配置<br>Basic configuration     | 压力控制器<br>Pressure Controller(Mpa)             | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压压力传感器或低压压力开关 Low Pressure Sensor or Low Pressure Switch                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |
|                                 | 储液器 Reservoir                                 | 1.1L                                                                                                                                                                                                                                                                                                   | 1.6L              | 2.2L              | 6L                |                   | 10L               |                   |
|                                 | 干燥过滤器 Dryer filter                            | 083S                                                                                                                                                                                                                                                                                                   |                   | 084S              |                   | 165S              |                   |                   |
|                                 | 视镜 Sight glass                                | 3/8                                                                                                                                                                                                                                                                                                    |                   | 1/2"              |                   | 5/8"              |                   |                   |
|                                 | 油压表 Oil pressure gauge                        | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |
|                                 | 喷液阀 Liquid Valve                              | 喷液电磁阀或电子膨胀阀 Liquid Injection Valve or Electronic expansion valvee                                                                                                                                                                                                                                      |                   |                   |                   |                   |                   |                   |
| 电控<br>Electric control          | 断路器 Disjunctor                                | D63                                                                                                                                                                                                                                                                                                    |                   |                   |                   |                   |                   |                   |
|                                 | 变频控制功能<br>Variable frequency control function | 压缩机变频控制、电子膨胀阀控制、冷凝风机控制、化霜控制、高低压力保护、喷液控制、排气温度保护、电流保护和故障代码输出。Compressor frequency control, electronic expansion valve control, condensing fan control, defrosting control, high and low pressure protection, spray protection, exhaust temperature protection, current protection and fault code output. |                   |                   |                   |                   |                   |                   |
| 接管 (mm)<br>Pipe                 | 吸气口(直径) Gas Inlet Diam OD                     | 5/8"(15.88)                                                                                                                                                                                                                                                                                            |                   | 3/4"(19.05)       | 7/8"(22.22)       |                   | 1-1/8"(28.58)     |                   |
|                                 | 液体出口(直径) Liquid Outlet OD                     | 3/8"(9.53)                                                                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   | 5/8"(15.88)       |                   |                   |
| 产品尺寸 Product size(mm)           |                                               | 1015*420*850                                                                                                                                                                                                                                                                                           |                   | 1180*490*860      | 1200*490*1250     |                   | 1200*490*1570     |                   |
| 安装尺寸 Installation dimension(mm) |                                               | 580*385                                                                                                                                                                                                                                                                                                |                   | 640*440           |                   |                   |                   |                   |
| 选配<br>Optional configuration    | 制冷电磁阀 Solenoid valve                          | 3/8"(9.53)                                                                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   | 5/8"(15.88)       |                   |                   |
|                                 | 油分离器 Oil separator                            | BLR/A-W 55833                                                                                                                                                                                                                                                                                          |                   | BLR/A-W 55824     |                   |                   | BLR/A-W 55855     | BLR/A-W 55877     |
|                                 | 气液分离器 Accumulator                             | 1L                                                                                                                                                                                                                                                                                                     |                   | 2.8L              |                   | 3.0L              | 7L                |                   |
|                                 | 曲轴加热带Crankshaft heating belt                  | 35W                                                                                                                                                                                                                                                                                                    |                   | 40W               |                   |                   | 90W               |                   |
| R404A<br>制冷量(W)<br>Capacity     | 蒸发温度(°C) Evap Temp                            | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32℃<br>过冷度 Sub-cooling 0℃ 吸气温度Suction temperature 18℃                                                                                                                                                                                           |                   |                   |                   |                   |                   |                   |
|                                 | -40                                           | 920                                                                                                                                                                                                                                                                                                    | 1365              | 1980              | 3000              | 4550              | 4950              | 6800              |
|                                 | -35                                           | 1150                                                                                                                                                                                                                                                                                                   | 1625              | 2460              | 3670              | 5420              | 6150              | 8280              |
|                                 | -30                                           | 1350                                                                                                                                                                                                                                                                                                   | 2060              | 3070              | 4500              | 6450              | 7600              | 10000             |
|                                 | -25                                           | 1650                                                                                                                                                                                                                                                                                                   | 2485              | 3820              | 5500              | 7670              | 9500              | 12200             |
|                                 | -20                                           | 2100                                                                                                                                                                                                                                                                                                   | 3100              | 4680              | 6750              | 9150              | 11600             | 14800             |
|                                 | -15                                           | 2460                                                                                                                                                                                                                                                                                                   | 3550              | 5650              | 8250              | 10800             | 14000             | 18000             |
|                                 | -10                                           | 2920                                                                                                                                                                                                                                                                                                   | 4525              | 6700              | 10000             | 13000             | 16700             | 21800             |
|                                 | -5                                            | 3250                                                                                                                                                                                                                                                                                                   | 5440              | 7900              | 12300             | 15300             | 19600             | 26500             |

松下3.5–7HP箱式定频冷藏机组技术数据 (R22)

Panasonic 3.5–7HP fixed frequency refrigeration outdoor unit technical data (R22)

| 机组型号 Model                      |                                    | BYGF-035-SXM-SMLP                                                                                                                                                                                                                                      | BYGF-040-SXM-SMLP | BYGF-050-SXM-SMLP | BYGF-060-SXM-SMLP | BYGF-070-SXM-SMLP |
|---------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                 |                                    | 3PH 380V 50Hz                                                                                                                                                                                                                                          |                   |                   |                   |                   |
| 马力 Horsepower                   |                                    | 3.5 HP                                                                                                                                                                                                                                                 | 4 HP              | 5 HP              | 6 HP              | 7 HP              |
| 冷媒 Refrigerant                  |                                    | R22                                                                                                                                                                                                                                                    |                   |                   |                   |                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                    | -12 ~ 10°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |
| 环境温度范围 Ambient Temp(°C)         |                                    | -15 ~ 48°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |
| 基础配置<br>Basic configuration     | 压缩机 Compressor                     | C-SB263H8A                                                                                                                                                                                                                                             | C-SB303H8A        | C-SB373H8A        | C-SB453H8A        | C-SBR235H38A      |
|                                 | 压力控制器 Pressure Controller(Mpa)     | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压可调节压力开关 Low Pressure Adjustable Pressure Switch                                                                                                                                                     |                   |                   |                   |                   |
|                                 | 风扇电机 Fan Motor                     | 65W*1                                                                                                                                                                                                                                                  |                   | 65W*2             |                   | 90W*2             |
|                                 | 储液器 Reservoir                      | 2.5L                                                                                                                                                                                                                                                   |                   | 4L                |                   | 6L                |
|                                 | 干燥过滤器 Dryer filter                 | 083S                                                                                                                                                                                                                                                   |                   | 084S              |                   |                   |
|                                 | 视液镜 Sight glass                    | 3/8                                                                                                                                                                                                                                                    |                   | 1/2               |                   |                   |
|                                 | 油压表 Oil pressure gauge             | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                       |                   |                   |                   |                   |
|                                 | 喷液阀 Liquid Valve                   | 1/4                                                                                                                                                                                                                                                    |                   |                   |                   |                   |
| 电控<br>Electric control          | 交流接触器 AC contactor                 | 18/01                                                                                                                                                                                                                                                  |                   |                   |                   |                   |
|                                 | 控制板 Control board                  | 相序保护和缺相保护、排气温度保护、喷液控制、冷凝风扇调速控制、故障代码报警输出等功能<br>Functions such as phase sequence protection and phase loss protection, exhaust temperature protection, liquid spraying control, speed regulation control of condensing fan, fault code alarm output, etc |                   |                   |                   |                   |
| 接管 (mm)<br>Pipe                 | 吸气口(直径) Gas Inlet Diam OD          | 5/8"(15.88)                                                                                                                                                                                                                                            |                   | 3/4"(19.05)       |                   |                   |
|                                 | 液体出口(直径) Liquid Outlet OD          | 3/8"(9.53)                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   |                   |
| 产品尺寸 Product size(mm)           |                                    | 1015*420*850                                                                                                                                                                                                                                           |                   | 1015*420*1250     |                   |                   |
| 安装尺寸 Installation dimension(mm) |                                    | 580*385                                                                                                                                                                                                                                                |                   |                   |                   |                   |
| 选配<br>Optional configuration    | 油分离器 Oil separator                 | BLR/A-W-55833                                                                                                                                                                                                                                          |                   | BLR/A-W-55824     |                   |                   |
|                                 | 制冷电磁阀 Refrigeration solenoid valve | 3/8                                                                                                                                                                                                                                                    |                   | 1/2               |                   |                   |
|                                 | 气液分离器 Accumulator                  | 1L                                                                                                                                                                                                                                                     |                   | 2.8L              |                   |                   |
|                                 | 曲轴加热带Crankshaft heating belt       | 40W                                                                                                                                                                                                                                                    |                   |                   |                   |                   |
| R22<br>制冷量(W)<br>Capacity       | 蒸发温度(°C) Evap Temp                 | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32°C<br>过冷度 Sub-cooling 0°C 吸气温度Suction temperature 18°C                                                                                                                                        |                   |                   |                   |                   |
|                                 | -10                                | 5500                                                                                                                                                                                                                                                   | 6450              | 8100              | 9700              | 11500             |
|                                 | -5                                 | 6650                                                                                                                                                                                                                                                   | 7600              | 9500              | 11800             | 13700             |
|                                 | 0                                  | 7600                                                                                                                                                                                                                                                   | 9200              | 11100             | 13800             | 15000             |
|                                 | 5                                  | 9700                                                                                                                                                                                                                                                   | 11600             | 14000             | 18000             | 19100             |

松下3.5–12HP箱式定频冷冻机组技术数据 (R22)

Panasonic 3.5–12HP fixed frequency freezing outdoor unit technical data (R22)

| 机组型号 Model                      |                                    | BYGF-035-SXL-SMLP                                                                                                                                                                                                                                      | BYGF-040-SXL-SMLP | BYGF-050-SXL-SMLP | BYGF-060-SXL-SMLP | BYGF-080-SXL-SMLP | BYGF-100-SXL-SMLP | BYGF-120-SXL-SMLP |
|---------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                 |                                    | 3PH 380V 50Hz                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |
| 马力 Horsepower                   |                                    | 3.5 HP                                                                                                                                                                                                                                                 | 4 HP              | 5 HP              | 6 HP              | 8 HP              | 10HP              | 12HP              |
| 冷媒 Refrigerant                  |                                    | R22                                                                                                                                                                                                                                                    |                   |                   |                   |                   |                   |                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                    | -30 ~ 5°C                                                                                                                                                                                                                                              |                   |                   |                   |                   |                   |                   |
| 环境温度范围 Ambient Temp(°C)         |                                    | -15 ~ 48°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |
| 基础配置<br>Basic configuration     | 压缩机 Compressor                     | C-SBR120H38Q                                                                                                                                                                                                                                           | C-SBR145H38Q      | C-SBR180H38Q      | C-SBR205H38Q      | C-SBR295H38Q      | C-SBR370H38Q      | C-SBR435H38Q      |
|                                 | 压力控制器<br>Pressure Controller(Mpa)  | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压可调节压力开关 Low Pressure Adjustable Pressure Switch                                                                                                                                                     |                   |                   |                   |                   |                   |                   |
|                                 | 风扇电机 Fan Motor                     | 65W*1                                                                                                                                                                                                                                                  |                   | 65W*2             |                   | 150W*2            | 200W*2            | 250W*2            |
|                                 | 储液器 Reservoir                      | 2.5L                                                                                                                                                                                                                                                   |                   | 4L                |                   | 6L                | 10L               |                   |
|                                 | 干燥过滤器 Dryer filter                 | 083S                                                                                                                                                                                                                                                   |                   | 084S              |                   | 165S              |                   |                   |
|                                 | 视镜 Sight glass                     | 3/8                                                                                                                                                                                                                                                    |                   | 1/2"              |                   | 5/8"              |                   |                   |
|                                 | 油压表 Oil pressure gauge             | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |
|                                 | 喷液阀 Liquid Valve                   | 喷液电磁阀或电子膨胀阀 Liquid Injection Valve or Electronic expansion valve                                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |
| 电控<br>Electric control          | 交流接触器 AC contactor                 | 18/01                                                                                                                                                                                                                                                  |                   |                   |                   | 25/01             |                   |                   |
|                                 | 控制板 Control board                  | 相序保护和缺相保护、排气温度保护、喷液控制、冷凝风扇调速控制、故障代码报警输出等功能<br>Functions such as phase sequence protection and phase loss protection, exhaust temperature protection, liquid spraying control, speed regulation control of condensing fan, fault code alarm output, etc |                   |                   |                   |                   |                   |                   |
| 接管 (mm)<br>Pipe                 | 吸气口(直径) Gas Inlet Diam OD          | 5/8"(15.88)                                                                                                                                                                                                                                            |                   | 3/4"(19.05)       |                   | 7/8"(22.22)       | 1-1/8"(28.58)     |                   |
|                                 | 液体出口(直径) Liquid Outlet OD          | 3/8"(9.53)                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   | 5/8"(15.88)       |                   |                   |
| 产品尺寸 Product size(mm)           |                                    | 1015*420*850                                                                                                                                                                                                                                           |                   | 1015*420*1250     |                   | 1200*490*1570     |                   |                   |
| 安装尺寸 Installation dimension(mm) |                                    | 580*385                                                                                                                                                                                                                                                |                   |                   |                   | 640*440           |                   |                   |
| 选配<br>Optional configuration    | 油分离器 Oil separator                 | BLR/A-W 55833                                                                                                                                                                                                                                          |                   | BLR/A-W 55824     |                   | BLR/A-W 55855     |                   | BLR/A-W55877      |
|                                 | 制冷电磁阀 Refrigeration solenoid valve | 3/8"(9.53)                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   | 5/8"(15.88)       |                   |                   |
|                                 | 气液分离器 Accumulator                  | 1L                                                                                                                                                                                                                                                     |                   | 2.8L              |                   | 3.6L              | 7L                |                   |
|                                 | 曲轴加热带Crankshaft heating belt       | 40W                                                                                                                                                                                                                                                    |                   |                   |                   |                   | 90W               |                   |
| R404A<br>制冷量(W)<br>Capacity     | 蒸发温度(°C) Evap Temp                 | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32°C<br>过冷度 Sub-cooling 0°C 吸气温度Suction temperature 18°C                                                                                                                                        |                   |                   |                   |                   |                   |                   |
|                                 | -30                                | 2800                                                                                                                                                                                                                                                   | 2950              | 3650              | 4300              | 6200              | 7350              | 9200              |
|                                 | -25                                | 3370                                                                                                                                                                                                                                                   | 3650              | 4600              | 5300              | 7400              | 9100              | 11100             |
|                                 | -20                                | 4050                                                                                                                                                                                                                                                   | 4500              | 5600              | 6450              | 8800              | 11200             | 13500             |
|                                 | -15                                | 4800                                                                                                                                                                                                                                                   | 5400              | 6750              | 7900              | 10500             | 13500             | 16500             |
|                                 | -10                                | 5650                                                                                                                                                                                                                                                   | 6450              | 8100              | 9700              | 12500             | 16100             | 20000             |
|                                 | -5                                 | 6650                                                                                                                                                                                                                                                   | 7600              | 9500              | 11800             | 14800             | 18900             | 24200             |
|                                 | 0                                  | 7600                                                                                                                                                                                                                                                   | 9200              | 11100             | 13800             | 18300             | 23000             | 27100             |
|                                 | 5                                  | 9700                                                                                                                                                                                                                                                   | 11600             | 14000             | 18000             | 23800             | 29500             | 35000             |

松下4–12.5HP箱式定频冷冻机组技术数据 (R404A)

Panasonic 4–12.5HP fixed frequency freezing outdoor unit technical data (R404A)

| 机组型号 Model                      |                                    |        | BYGF-040-SXL-SMDP                                                                                                                                                                                                                                      | BYGF-050-SXL-SMDP | BYGF-060-SXL-SMDP | BYGF-070-SXL-SMDP | BYGF-080-SXL-SMDP | BYGF-100-SXL-SMDP | BYGF-125-SXL-SMDP |
|---------------------------------|------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                 |                                    |        | 3PH 380V 50Hz                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |
| 马力 Horsepower                   |                                    |        | 4 HP                                                                                                                                                                                                                                                   | 5 HP              | 6 HP              | 7 HP              | 8 HP              | 10 HP             | 12.5 HP           |
| 冷媒 Refrigerant                  |                                    |        | R404A或等同品 R404A or equivalent                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                    |        | -45 ~ -5°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |
| 环境温度范围 Ambient Temp(°C)         |                                    |        | -15 ~ 48°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |
| 基础配置<br>Basic configuration     | 压缩机 Compressor                     | 中温 MBP | 3CB067SAOM                                                                                                                                                                                                                                             | 3CB084SAOM        | 3CB100SAOM        | 3CB110SAOM        | 3CC137LAOM        | 3CC171LAOM        | 3CC205LAOM        |
|                                 |                                    | 低温 LBP | C-SBN303L8A                                                                                                                                                                                                                                            | C-SBN373L8A       | C-SBN453L8A       | 3CC120SA03        | 3CC137SA03        | 3CC171SA03        | 3CC216SA03        |
|                                 | 压力控制器 Pressure Controller(Mpa)     |        | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压可调节压力开关 Low Pressure Adjustable Pressure Switch                                                                                                                                                     |                   |                   |                   |                   |                   |                   |
|                                 | 风扇电机 Fan Motor                     |        | 65W*1                                                                                                                                                                                                                                                  | 65W*2             |                   | 90W*2             | 150W*2            | 200W*2            | 250W*2            |
|                                 | 储液器 Reservoir                      |        | 2.5L                                                                                                                                                                                                                                                   | 4L                |                   | 6L                |                   | 10L               |                   |
|                                 | 干燥过滤器 Dryer filter                 |        | 083S                                                                                                                                                                                                                                                   | 084S              |                   |                   | 165S              |                   |                   |
|                                 | 视液镜 Sight glass                    |        | 3/8                                                                                                                                                                                                                                                    | 1/2"              |                   |                   | 5/8"              |                   |                   |
|                                 | 油压表 Oil pressure gauge             |        | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |
|                                 | 喷液阀 Liquid Valve                   |        | 喷液电磁阀或电子膨胀阀 Liquid Injection Valve or Electronic expansion valve                                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |
| 电控<br>Electric control          | 交流接触器 AC contactor                 |        | 18/01                                                                                                                                                                                                                                                  |                   |                   |                   |                   | 25/01             |                   |
|                                 | 控制板 Control board                  |        | 相序保护和缺相保护、排气温度保护、喷液控制、冷凝风扇调速控制、故障代码报警输出等功能<br>Functions such as phase sequence protection and phase loss protection, exhaust temperature protection, liquid spraying control, speed regulation control of condensing fan, fault code alarm output, etc |                   |                   |                   |                   |                   |                   |
| 接管(mm)<br>Pipe                  | 吸气口(直径) Gas Inlet Diam OD          |        | 5/8"(15.88)                                                                                                                                                                                                                                            | 3/4"(19.05)       |                   | 7/8"(22.22)       |                   | 1-1/8"(28.58)     |                   |
|                                 | 液体出口(直径) Liquid Outlet OD          |        | 3/8"(9.53)                                                                                                                                                                                                                                             | 1/2"(12.7)        |                   |                   | 5/8"(15.88)       |                   |                   |
| 产品尺寸 Product size(mm)           |                                    |        | 1015*420*850                                                                                                                                                                                                                                           |                   | 1015*420*1250     |                   | 1200*490*1570     |                   |                   |
| 安装尺寸 Installation dimension(mm) |                                    |        | 580*385                                                                                                                                                                                                                                                |                   |                   |                   | 640*440           |                   |                   |
| 选配<br>Optional configuration    | 油分离器 Oil separator                 |        | BLR/A-W 55833                                                                                                                                                                                                                                          |                   | BLR/A-W 55824     |                   | BLR/A-W 55855     |                   | BLR/A-W 55877     |
|                                 | 制冷电磁阀 Refrigeration Solenoid valve |        | 3/8"(9.53)                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   | 5/8"(15.88)       |                   |                   |
|                                 | 气液分离器 Accumulator                  |        | 1L                                                                                                                                                                                                                                                     |                   | 2.8L              |                   | 3.0L              |                   | 7L                |
|                                 | 曲轴加热带 Crankshaft heating belt      |        | 40W                                                                                                                                                                                                                                                    |                   |                   |                   | 90W               |                   |                   |
| R404A<br>制冷量(W)<br>Capacity     | 蒸发温度(°C) Evap Temp                 |        | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32°C<br>过冷度 Sub-cooling 0°C 吸气温度Suction temperature 18°C                                                                                                                                        |                   |                   |                   |                   |                   |                   |
|                                 | -40                                |        | 1980                                                                                                                                                                                                                                                   | 2440              | 3000              | 4250              | 4550              | 4950              | 6800              |
|                                 | -35                                |        | 2460                                                                                                                                                                                                                                                   | 3050              | 3670              | 5050              | 5420              | 6150              | 8280              |
|                                 | -30                                |        | 3070                                                                                                                                                                                                                                                   | 3800              | 4500              | 6020              | 6450              | 7600              | 10000             |
|                                 | -25                                |        | 3820                                                                                                                                                                                                                                                   | 4750              | 5500              | 7150              | 7670              | 9500              | 12200             |
|                                 | -20                                |        | 4680                                                                                                                                                                                                                                                   | 5800              | 6750              | 8500              | 9150              | 11600             | 14800             |
|                                 | -15                                |        | 5650                                                                                                                                                                                                                                                   | 7050              | 8250              | 10100             | 10800             | 14000             | 18000             |
|                                 | -10                                |        | 6700                                                                                                                                                                                                                                                   | 8350              | 10000             | 12000             | 13000             | 16700             | 21800             |
|                                 | -5                                 |        | 7900                                                                                                                                                                                                                                                   | 9850              | 12300             | 14200             | 15300             | 19600             | 26500             |

谷轮3–12HP箱式定频冷藏机组技术数据 (R22)

Copeland 3–12HP fixed frequency refrigeration outdoor unit technical data (R22)

| 机组型号 Model                      |                                    | BYGF-030-ZBM-SMLP                                                                                                                                                                                                                                      | BYGF-040-ZBM-SMLP | BYGF-050-ZBM-SMLP | BYGF-060-ZBM-SMLP | BYGF-070-ZBM-SMLP | BYGF-080-ZBM-SMLP | BYGF-100-ZBM-SMLP | BYGF-120-ZBM-SMLP |
|---------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                 |                                    | 3PH 380V 50Hz                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |                   |
| 马力 Horsepower                   |                                    | 3 HP                                                                                                                                                                                                                                                   | 4 HP              | 5 HP              | 6 HP              | 7 HP              | 8 HP              | 10HP              | 12HP              |
| 冷媒 Refrigerant                  |                                    | R22                                                                                                                                                                                                                                                    |                   |                   |                   |                   |                   |                   |                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                    | -12 ~ 10°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |
| 环境温度范围 Ambient Temp(°C)         |                                    | -15 ~ 48°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |
| 基础配置<br>Basic configuration     | 压缩机 Compressor                     | ZB21KQ                                                                                                                                                                                                                                                 | ZB29KQ            | ZB38KQ            | ZB45KQ            | ZB48KQ            | ZB58KQ            | ZB76KQ            | ZB88KQ            |
|                                 | 压力控制器 Pressure Controller(Mpa)     | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压可调节压力开关 Low Pressure Adjustable Pressure Switch                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |
|                                 | 风扇电机 Fan Motor                     | 65W*1                                                                                                                                                                                                                                                  |                   | 65W*2             |                   | 90W*2             | 150W*2            | 200W*2            | 250W*2            |
|                                 | 储液器 Reservoir                      | 2.5L                                                                                                                                                                                                                                                   |                   | 4L                |                   | 6L                |                   | 10L               |                   |
|                                 | 干燥过滤器 Dryer filter                 | 083S                                                                                                                                                                                                                                                   |                   | 084S              |                   |                   | 165S              |                   |                   |
|                                 | 视液镜 Sight glass                    | 3/8                                                                                                                                                                                                                                                    |                   | 1/2"              |                   |                   | 5/8"              |                   |                   |
|                                 | 油压表 Oil pressure gauge             | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |                   |
|                                 | 喷液阀 Liquid Valve                   | 喷液电磁阀或电子膨胀阀 Liquid Injection Valve or Electronic expansion valve                                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |                   |
| 电控<br>Electric control          | 交流接触器 AC contactor                 | 18/01                                                                                                                                                                                                                                                  |                   |                   |                   |                   |                   | 25/01             |                   |
|                                 | 控制板 Control board                  | 相序保护和缺相保护、排气温度保护、喷液控制、冷凝风扇调速控制、故障代码报警输出等功能<br>Functions such as phase sequence protection and phase loss protection, exhaust temperature protection, liquid spraying control, speed regulation control of condensing fan, fault code alarm output, etc |                   |                   |                   |                   |                   |                   |                   |
| 接管(mm)<br>Pipe                  | 吸气口(直径) Gas Inlet Diam OD          | 5/8"(15.88)                                                                                                                                                                                                                                            |                   | 3/4"(19.05)       |                   | 7/8"(22.22)       |                   | 1-1/8" ( 28.58)   |                   |
|                                 | 液体出口(直径) Liquid Outlet OD          | 3/8"(9.53)                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   |                   | 5/8"(15.88)       |                   |                   |
| 产品尺寸 Product size(mm)           |                                    | 1015*420*850                                                                                                                                                                                                                                           |                   | 1015*420*1250     |                   |                   | 1200*490*1570     |                   |                   |
| 安装尺寸 Installation dimension(mm) |                                    | 580*385                                                                                                                                                                                                                                                |                   |                   |                   |                   | 640*440           |                   |                   |
| 选配<br>Optional configuration    | 油分离器 Oil separator                 | BLR/A-W 55833                                                                                                                                                                                                                                          |                   | BLR/A-W 55824     |                   |                   | BLR/A-W 55855     |                   | BLR/A-W 55877     |
|                                 | 制冷电磁阀 Refrigeration solenoid valve | 3/8"(9.53)                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   |                   | 5/8"(15.88)       |                   |                   |
|                                 | 气液分离器 Accumulator                  | 1L                                                                                                                                                                                                                                                     |                   | 2.8L              |                   | 3.6L              |                   | 7L                |                   |
|                                 | 曲轴加热带 Crankshaft heating belt      | 40W                                                                                                                                                                                                                                                    |                   |                   |                   |                   |                   | 90W               |                   |
| R22<br>制冷量(W)<br>Capacity       | 蒸发温度(°C) Evap Temp                 | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32°C<br>过冷度 Sub-cooling 0°C 吸气温度Suction temperature 18°C                                                                                                                                        |                   |                   |                   |                   |                   |                   |                   |
|                                 | -10                                | 4850                                                                                                                                                                                                                                                   | 6600              | 8300              | 9700              | 10600             | 12800             | 16800             | 18500             |
|                                 | -5                                 | 5770                                                                                                                                                                                                                                                   | 7800              | 9800              | 11500             | 12600             | 18100             | 20200             | 22300             |
|                                 | 0                                  | 6750                                                                                                                                                                                                                                                   | 9100              | 11500             | 13500             | 14800             | 17800             | 23700             | 26500             |
|                                 | 5                                  | 7850                                                                                                                                                                                                                                                   | 10600             | 13300             | 15700             | 17300             | 20600             | 27600             | 31000             |

谷轮2–13HP箱式定频冷藏机组技术数据 (R404A)

Copeland 2–13HP fixed frequency refrigeration outdoor unit technical data (R404A)

| 机组型号 Model                      |                                    | BYGF-020-ZBM-SMDP                                                                                                                                                                                                                                                                      | BYGF-030-ZBM-SMDP | BYGF-040-ZBM-SMDP | BYGF-050-ZBM-SMDP | BYGF-060-ZBM-SMDP | BYGF-070-ZBM-SMDP | BYGF-080-ZBM-SMDP | BYGF-100-ZBM-SMDP | BYGF-130-ZBM-SMDP |
|---------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                 |                                    | 3PH 380V 50Hz                                                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |                   |                   |
| 马力 Horsepower                   |                                    | 3 HP                                                                                                                                                                                                                                                                                   | 3 HP              | 4 HP              | 5 HP              | 6 HP              | 7 HP              | 8 HP              | 10HP              | 13HP              |
| 冷媒 Refrigerant                  |                                    | R404A或等同品 R404A or equivalent                                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |                   |                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                    | -20 ~ 10°C                                                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |                   |
| 环境温度范围 Ambient Temp(°C)         |                                    | -15 ~ 48°C                                                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |                   |
| 基础配置<br>Basic configuration     | 压缩机 Compressor                     | ZB15KQE                                                                                                                                                                                                                                                                                | ZB21KQE           | ZB29KQE           | ZB38KQE           | ZB45KQE           | ZB48KQE           | ZB58KQE           | ZB76KQE           | ZB95KQE           |
|                                 | 压力控制器 Pressure Controller(Mpa)     | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压可调节压力开关 Low Pressure Adjustable Pressure Switch                                                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |
|                                 | 风扇电机 Fan Motor                     | 65W*1                                                                                                                                                                                                                                                                                  |                   |                   | 65W*2             |                   | 90W*2             | 150W*2            | 200W*2            | 250W*2            |
|                                 | 储液器 Reservoir                      | 2.5L                                                                                                                                                                                                                                                                                   |                   |                   | 4L                |                   | 6L                |                   | 10L               | 10L               |
|                                 | 干燥过滤器 Dryer filter                 | 083S                                                                                                                                                                                                                                                                                   |                   |                   | 084S              |                   |                   | 165S              |                   |                   |
|                                 | 视液镜 Sight glass                    | 3/8                                                                                                                                                                                                                                                                                    |                   |                   | 1/2"              |                   |                   | 5/8"              |                   |                   |
|                                 | 油压表 Oil pressure gauge             | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |                   |                   |
|                                 | 喷液阀 Liquid Valve                   | 喷液电磁阀或电子膨胀阀 Liquid Injection Valve or Electronic expansion valvee                                                                                                                                                                                                                      |                   |                   |                   |                   |                   |                   |                   |                   |
| 电控<br>Electric control          | 交流接触器 AC contactor                 | 18/01                                                                                                                                                                                                                                                                                  |                   |                   |                   |                   |                   |                   | 25/01             |                   |
|                                 | 控制板 Control board                  | 相序保护和缺相保护、排气温度保护、喷液控制、冷凝风扇调速控制、故障代码报警输出等功能<br>Functions such as phase sequence protection and phase loss protection, exhaust temperature protection, exhaust temperature protection, liquid spraying control, speed regulation control of condensing fan, fault code alarm output, etc |                   |                   |                   |                   |                   |                   |                   |                   |
| 接管(mm)<br>Pipe                  | 吸气口(直径) Gas Inlet Diam OD          | 5/8"(15.88)                                                                                                                                                                                                                                                                            |                   |                   | 3/4"(19.05)       | 7/8"(22.22)       |                   |                   | 1-1/8"(28.58)     |                   |
|                                 | 液体出口(直径) Liquid Outlet OD          | 3/8"(9.53)                                                                                                                                                                                                                                                                             |                   |                   | 1/2"(12.7)        |                   |                   | 5/8"(15.88)       |                   |                   |
| 产品尺寸 Product size(mm)           |                                    | 1015*420*850                                                                                                                                                                                                                                                                           |                   |                   | 1015*420*1250     |                   |                   | 1200*490*1570     |                   |                   |
| 安装尺寸 Installation dimension(mm) |                                    | 580*385                                                                                                                                                                                                                                                                                |                   |                   |                   |                   |                   | 640*440           |                   |                   |
| 选配<br>Optional configuration    | 油分离器Oil separator                  | BLR/A-W 55833                                                                                                                                                                                                                                                                          |                   |                   | BLR/A-W 55824     |                   |                   | BLR/A-W 55855     |                   | BLR/A-W55877      |
|                                 | 制冷电磁阀 Refrigeration solenoid valve | 3/8"(9.53)                                                                                                                                                                                                                                                                             |                   |                   | 1/2"(12.7)        |                   |                   | 5/8"(15.88)       |                   |                   |
|                                 | 气液分离器 Accumulator                  | 1L                                                                                                                                                                                                                                                                                     |                   |                   | 2.8L              |                   | 3.0L              |                   | 7L                |                   |
|                                 | 曲轴加热带 Crankshaft heating belt      | 40W                                                                                                                                                                                                                                                                                    |                   |                   |                   |                   |                   | 90W               |                   |                   |
| R404A<br>制冷量(W)<br>Capacity     | 蒸发温度(°C) Evap Temp                 | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32°C<br>过冷度 Sub-cooling 0°C 吸气温度Suction temperature 18°C                                                                                                                                                                        |                   |                   |                   |                   |                   |                   |                   |                   |
|                                 | -20                                | 2250                                                                                                                                                                                                                                                                                   | 3500              | 4800              | 6050              | 7100              | 7750              | 9000              | 12200             | 14800             |
|                                 | -15                                | 2770                                                                                                                                                                                                                                                                                   | 4250              | 5750              | 7250              | 8500              | 9350              | 11100             | 15000             | 18300             |
|                                 | -10                                | 3360                                                                                                                                                                                                                                                                                   | 5050              | 6850              | 8650              | 10100             | 11100             | 13300             | 17500             | 22000             |
|                                 | -5                                 | 4000                                                                                                                                                                                                                                                                                   | 6000              | 8100              | 10200             | 12000             | 13100             | 18800             | 21000             | 26000             |
|                                 | 0                                  | 4750                                                                                                                                                                                                                                                                                   | 7000              | 9500              | 12000             | 14000             | 15400             | 18500             | 24700             | 30200             |
|                                 | 5                                  | 5500                                                                                                                                                                                                                                                                                   | 8150              | 11000             | 13900             | 16400             | 18000             | 21500             | 28700             | 35100             |

谷轮2–12HP箱式定频冷冻机组技术数据 (R404A)

Copeland 2–12HP fixed frequency freezing outdoor unit technical data (R404A)

| 机组型号 Model                      |                                    |            | BYGF-020-ZSL-SMDP                                                                                                                                                                                                                                      | BYGF-030-ZSL-SMDP | BYGF-040-ZSL-SMDP | BYGF-050-ZSL-SMDP | BYGF-060-ZSL-SMDP | BYGF-070-ZSL-SMDP | BYGF-075-ZFL-SMDP | BYGF-100-ZFL-SMDP | BYGF-120-ZFL-SMDP |
|---------------------------------|------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                 |                                    |            | 3PH 380V 50Hz                                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |                   |                   |
| 马力 Horsepower                   |                                    |            | 2 HP                                                                                                                                                                                                                                                   | 3 HP              | 4 HP              | 5 HP              | 6 HP              | 7 HP              | 7.5 HP            | 10HP              | 12HP              |
| 冷媒 Refrigerant                  |                                    |            | R404A或等同品 R404A or equivalent                                                                                                                                                                                                                          |                   |                   |                   |                   |                   |                   |                   |                   |
| 蒸发温度范围 Evap.Temp(°C)            |                                    |            | -40 ~ -5°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |                   |
| 环境温度范围 Ambient Temp(°C)         |                                    |            | -15 ~ 48°C                                                                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |                   |                   |
| 基础配置<br>Basic configuration     | 压缩机 Compressor                     | ZSI Series | ZSI 06KQE                                                                                                                                                                                                                                              | ZSI 09KQE         | ZSI 11KQE         | ZSI 15KQE         | ZSI 18KQE         | ZSI 21KQE         | /                 | /                 | /                 |
|                                 |                                    | ZF Series  | ZF 06KQE                                                                                                                                                                                                                                               | ZF09 KQE          | ZF13 KQE          | ZF15 KQE          | ZF18 KQE          | /                 | ZF25KQE           | ZF34KQE           | ZF41KQE           |
|                                 | 压力控制器 Pressure Controller(Mpa)     |            | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压可调节压力开关 Low Pressure Adjustable Pressure Switch                                                                                                                                                     |                   |                   |                   |                   |                   |                   |                   |                   |
|                                 | 风扇电机 Fan Motor                     |            | 65W*1                                                                                                                                                                                                                                                  |                   |                   | 65W*2             |                   | 90W*2             |                   | 200W*2            | 250W*2            |
|                                 | 储液器 Reservoir                      |            | 2.5L                                                                                                                                                                                                                                                   |                   |                   | 4L                |                   | 6L                |                   | 10L               | 10L               |
|                                 | 干燥过滤器 Dryer filter                 |            | 083S                                                                                                                                                                                                                                                   |                   |                   | 084S              |                   |                   | 165S              |                   |                   |
|                                 | 视镜 Sight glass                     |            | 3/8                                                                                                                                                                                                                                                    |                   |                   | 1/2'              |                   |                   | 5/8'              |                   |                   |
|                                 | 油压表 Oil pressure gauge             |            | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |                   |                   |
|                                 | 喷液阀 Liquid Valve                   |            | 喷液电磁阀或电子膨胀阀 Liquid Injection Valve or Electronic expansion valvee                                                                                                                                                                                      |                   |                   |                   |                   |                   |                   |                   |                   |
| 电控<br>Electric control          | 交流接触器AC contactor                  |            | 18/01                                                                                                                                                                                                                                                  |                   |                   |                   |                   |                   |                   | 25/01             |                   |
|                                 | 控制板Control board                   |            | 相序保护和缺相保护、排气温度保护、喷液控制、冷凝风扇调速控制、故障代码报警输出等功能<br>Functions such as phase sequence protection and phase loss protection, exhaust temperature protection, liquid spraying control, speed regulation control of condensing fan, fault code alarm output, etc |                   |                   |                   |                   |                   |                   |                   |                   |
| 接管(mm)<br>Pipe                  | 吸气口(直径) Gas Inlet Diam OD          |            | 5/8"(15.88)                                                                                                                                                                                                                                            |                   |                   | 3/4"(19.05)       | 7/8"(22.22)       |                   |                   | 1-1/8"(28.58)     |                   |
|                                 | 液体出口(直径) Liquid Outlet OD          |            | 3/8"(9.53)                                                                                                                                                                                                                                             |                   |                   | 1/2"(12.7)        |                   |                   | 5/8"(15.88)       |                   |                   |
| 产品尺寸 Product size(mm)           |                                    |            | 1015*420*850                                                                                                                                                                                                                                           |                   |                   | 1015*420*1250     |                   |                   | 1200*490*1250     | 1200*490*1570     |                   |
| 安装尺寸 Installation dimension(mm) |                                    |            | 580*385                                                                                                                                                                                                                                                |                   |                   |                   |                   |                   | 640*440           |                   |                   |
| 选配<br>Optional configuration    | 油分离器 Oil separator                 |            | BLR/A-W 55833                                                                                                                                                                                                                                          |                   |                   | BLR/A-W 55824     |                   |                   |                   | BLR/A-W 55855     | BLR/A-W 55877     |
|                                 | 制冷电磁阀 Refrigeration solenoid valve |            | 3/8"(9.53)                                                                                                                                                                                                                                             |                   |                   | 1/2"(12.7)        |                   |                   | 5/8"(15.88)       |                   |                   |
|                                 | 气液分离器 Accumulator                  |            | 1L                                                                                                                                                                                                                                                     |                   |                   | 2.8L              |                   | 3.6L              |                   | 7L                |                   |
|                                 | 曲轴加热带 Crankshaft heating belt      |            | 40W                                                                                                                                                                                                                                                    |                   |                   |                   |                   |                   | 90W               |                   |                   |
| R404A<br>制冷量(W)<br>Capacity     | 蒸发温度(°C) Evap Temp                 |            | 测试工况Test conditions: GB/T 21363-2018 环境温度 Ambient Temp:32°C<br>过冷度 Sub-cooling 0°C 吸气温度Suction temperature 18°C                                                                                                                                        |                   |                   |                   |                   |                   |                   |                   |                   |
|                                 | -40                                |            | 1120                                                                                                                                                                                                                                                   | 1520              | 2170              | 2640              | 3250              | /                 | 4050              | 5250              | 6650              |
|                                 | -35                                |            | 1400                                                                                                                                                                                                                                                   | 1900              | 2720              | 3350              | 4100              | 4550              | 5000              | 6650              | 8400              |
|                                 | -30                                |            | 1710                                                                                                                                                                                                                                                   | 2530              | 3650              | 4500              | 5420              | 6050              | 6750              | 9000              | 11100             |
|                                 | -25                                |            | 2070                                                                                                                                                                                                                                                   | 2800              | 4100              | 5050              | 6050              | 6700              | 7500              | 1000              | 12300             |
|                                 | -20                                |            | 2250                                                                                                                                                                                                                                                   | 3370              | 4800              | 6050              | 7100              | 7750              | 8730              | 12200             | 14300             |
|                                 | -15                                |            | 2770                                                                                                                                                                                                                                                   | 3900              | 5750              | 7250              | 8500              | 9350              | 10700             | 15000             | 17700             |
|                                 | -10                                |            | 3360                                                                                                                                                                                                                                                   | 4750              | 6850              | 8650              | 10100             | 11100             | 12900             | 17500             | 21300             |
| -5                              |                                    | 4000       | 5600                                                                                                                                                                                                                                                   | 8100              | 10200             | 12000             | 13100             | 18200             | 21000             | 25200             |                   |

博阳2-12HP水冷变频机组技术数据 (R404A、R290、R410A)

Boyard 2-12HP variable frequency water-cooling unit technical data (R404A、R290、R410A)

| 机组型号 Model                                    |                                            | BYGF-020-QHL-TZDP                                                                                                                                                                                                                                                                                      | BYGF-030-QHL-TZDP | BYGF-040-QHL-TZDP | BYGF-060-HIL-TZDP | BYGF-080-HIL-TZDP | BYGF-100-SLL-TZDP | BYGF-120-SLL-TZDP |
|-----------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 电源 Power Supply                               |                                            | 1PH 220V 50/60 Hz                                                                                                                                                                                                                                                                                      |                   |                   | 3PH 380V 50/60 Hz |                   |                   |                   |
| 变频控制方案 Inverter control scheme                |                                            | 根据温控器变频控制或低压压力变频控制 Frequency conversion control according to temperature controller or low pressure frequency conversion control                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |
| 马力 Horsepower                                 |                                            | 2 HP                                                                                                                                                                                                                                                                                                   | 3 HP              | 4 HP              | 6 HP              | 8 HP              | 10HP              | 12HP              |
| 冷媒 Refrigerant                                |                                            | R404A或R290 R404A or R290                                                                                                                                                                                                                                                                               |                   |                   |                   |                   | R410A             |                   |
| 蒸发温度范围 Evap.Temp(°C)                          |                                            | -40~-5°C                                                                                                                                                                                                                                                                                               |                   |                   |                   |                   |                   |                   |
| 基础配置<br>Basic configuration                   | 压力控制器 Pressure Controller(Mpa)             | 膜片式高压压力开关 Diaphragm type high pressure switch<br>低压压力传感器或低压压力开关 Low Pressure Sensor or Low Pressure Switch                                                                                                                                                                                             |                   |                   |                   |                   |                   |                   |
|                                               | 储液器 Reservoir                              | 1.1L                                                                                                                                                                                                                                                                                                   | 1.6L              | 2.2L              | 6L                |                   | 10L               |                   |
|                                               | 干燥过滤器 Dryer filter                         | 083S                                                                                                                                                                                                                                                                                                   |                   | 084S              |                   | 165S              |                   |                   |
|                                               | 视液镜 Sight glass                            | 3/8                                                                                                                                                                                                                                                                                                    |                   | 1/2"              |                   | 5/8"              |                   |                   |
|                                               | 油压表 Oil pressure gauge                     | 高压压力油压表+低压压力油压表 High pressure oil pressure gauge+Low pressure oil pressure gauge                                                                                                                                                                                                                       |                   |                   |                   |                   |                   |                   |
|                                               | 喷液阀 Liquid Valve                           | 喷液电磁阀或电子膨胀阀 Liquid Injection Valve or Electronic expansion valvee                                                                                                                                                                                                                                      |                   |                   |                   |                   |                   |                   |
| 电控<br>Electric control                        | 断路器 Disjunctor                             | D63                                                                                                                                                                                                                                                                                                    |                   |                   |                   |                   |                   |                   |
|                                               | 变频控制功能 Variable frequency control function | 压缩机变频控制、电子膨胀阀控制、冷凝风机控制、化霜控制、高低压力保护、喷液控制、排气温度保护、电流保护和故障代码输出。Compressor frequency control, electronic expansion valve control, condensing fan control, defrosting control, high and low pressure protection, spray protection, exhaust temperature protection, current protection and fault code output. |                   |                   |                   |                   |                   |                   |
| 接管(mm)<br>Pipe                                | 吸气口(直径) Gas Inlet Diam OD                  | 5/8"(15.88)                                                                                                                                                                                                                                                                                            |                   | 3/4"(19.05)       | 7/8"(22.22)       |                   | 1-1/8"(28.58)     |                   |
|                                               | 液体出口(直径) Liquid Outlet OD                  | 3/8"(9.53)                                                                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   | 5/8"(15.88)       |                   |                   |
| 进出水接口尺寸 Water Inlet and Outlet Interface Size |                                            | DN20                                                                                                                                                                                                                                                                                                   | DN32              |                   |                   | DN40              |                   |                   |
| 产品尺寸 Product size(mm)                         |                                            | 990*420*280                                                                                                                                                                                                                                                                                            |                   |                   | 850*550*660       |                   |                   |                   |
| 安装尺寸 Installation dimension(mm)               |                                            | 970*335                                                                                                                                                                                                                                                                                                |                   |                   | 640*530           |                   |                   |                   |
| 选配<br>Optional configuration                  | 制冷电磁阀 Solenoid valve                       | 3/8"(9.53)                                                                                                                                                                                                                                                                                             |                   | 1/2"(12.7)        |                   | 5/8"(15.88)       |                   |                   |
|                                               | 油分离器 Oil separator                         | BLR/A-W 55833                                                                                                                                                                                                                                                                                          |                   | BLR/A-W 55824     |                   |                   | BLR/A-W 55855     | BLR/A-W 55877     |
|                                               | 气液分离器 Accumulator                          | 1L                                                                                                                                                                                                                                                                                                     |                   | 2.8L              |                   | 3.4L              | 7L                |                   |
|                                               | 曲轴加热带 Crankshaft heating belt              | 35W                                                                                                                                                                                                                                                                                                    |                   | 40W               |                   |                   | 90W               |                   |
| R404A<br>制冷量(W)<br>Capacity                   | 蒸发温度(°C) Evap Temp                         | 测试工况Test conditions: GB/T 21363-2018 进水温度 Water inlet temperature 30°C<br>出水温度 Water outlet temperature 35°C 过冷度 Sub-cooling 0°C 吸气温度Suction temperature 18°C                                                                                                                                          |                   |                   |                   |                   |                   |                   |
|                                               | -40                                        | 920                                                                                                                                                                                                                                                                                                    | 1365              | 1980              | 3000              | 4550              | 4950              | 6800              |
|                                               | -35                                        | 1150                                                                                                                                                                                                                                                                                                   | 1625              | 2460              | 3670              | 5420              | 6150              | 8280              |
|                                               | -30                                        | 1350                                                                                                                                                                                                                                                                                                   | 2060              | 3070              | 4500              | 6450              | 7600              | 10000             |
|                                               | -25                                        | 1680                                                                                                                                                                                                                                                                                                   | 2530              | 3900              | 5600              | 7820              | 9700              | 12400             |
|                                               | -20                                        | 2200                                                                                                                                                                                                                                                                                                   | 3250              | 4900              | 7100              | 9600              | 12200             | 15500             |
|                                               | -15                                        | 2600                                                                                                                                                                                                                                                                                                   | 3750              | 6000              | 8750              | 11500             | 14800             | 19100             |
|                                               | -10                                        | 3100                                                                                                                                                                                                                                                                                                   | 4850              | 7150              | 10700             | 14000             | 18000             | 23400             |
|                                               | -5                                         | 3500                                                                                                                                                                                                                                                                                                   | 5850              | 8500              | 13300             | 26500             | 21100             | 28500             |
| R290<br>制冷量(W)<br>Capacity                    | -40                                        | 780                                                                                                                                                                                                                                                                                                    | 1160              | 1680              | 2550              | /                 | /                 | /                 |
|                                               | -35                                        | 980                                                                                                                                                                                                                                                                                                    | 1380              | 2100              | 3200              | /                 | /                 | /                 |
|                                               | -30                                        | 1150                                                                                                                                                                                                                                                                                                   | 1750              | 2610              | 3850              | /                 | /                 | /                 |
|                                               | -25                                        | 1430                                                                                                                                                                                                                                                                                                   | 2150              | 3320              | 4750              | /                 | /                 | /                 |
|                                               | -20                                        | 1880                                                                                                                                                                                                                                                                                                   | 2700              | 4160              | 6050              | /                 | /                 | /                 |
|                                               | -15                                        | 2200                                                                                                                                                                                                                                                                                                   | 3150              | 5100              | 7400              | /                 | /                 | /                 |
|                                               | -10                                        | 2630                                                                                                                                                                                                                                                                                                   | 4250              | 6080              | 9100              | /                 | /                 | /                 |
|                                               | -5                                         | 2980                                                                                                                                                                                                                                                                                                   | 5000              | 7200              | 11400             | /                 | /                 | /                 |

博阳2-12HP干冷器机组技术数据

Boyard 2-12HP dry-cooler unit technical data

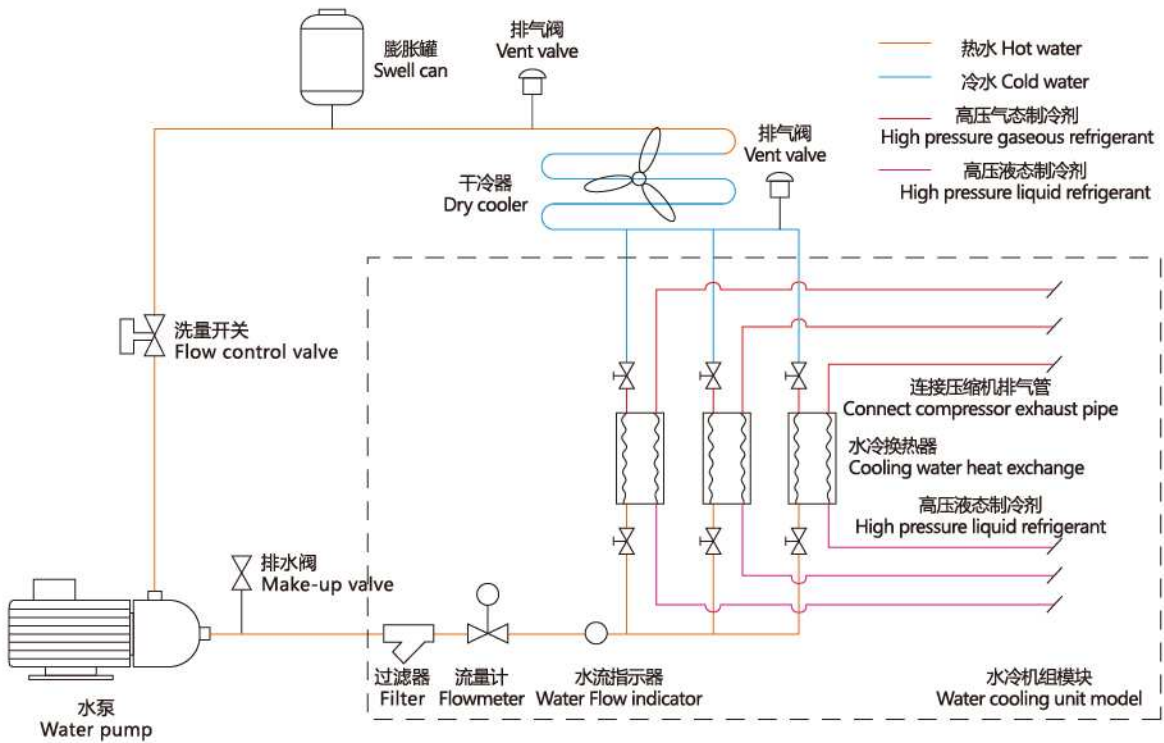
| 机组型号 Model                                    |                    | BYGF-020-TEP                                                                                                                                                                                     | BYGF-030-TEP | BYGF-040-TEP | BYGF-070-TEP  | BYGF-100-TEP  | BYGF-120-TEP |
|-----------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|---------------|---------------|--------------|
| 电源 Power Supply                               |                    | 1PH 220V/50Hz / 3PH 380/50Hz                                                                                                                                                                     |              |              |               |               |              |
| 换热介质 Heat Transferring Medium                 |                    | 纯水或乙二醇 Pure Water or Glycol                                                                                                                                                                      |              |              |               |               |              |
| 换热量 Heat Exchange Amount                      |                    | 5.5KW                                                                                                                                                                                            | 8KW          | 11KW         | 16KW          | 25KW          | 32KW         |
| 环境温度范围 Ambient Temp(℃)                        |                    | 0 ~ 43℃                                                                                                                                                                                          |              |              |               |               |              |
| 水流量 Water Discharge m³/h                      |                    | 2.5                                                                                                                                                                                              |              |              | 3.5           | 5             | 6            |
| 电控<br>Electric control                        | 交流接触器 AC contactor | 18/01                                                                                                                                                                                            |              |              |               |               |              |
|                                               | 控制板 Control board  | 相序保护, 缺水保护, 电机热保护, 冷凝风扇调速, 故障代码输出等功能。<br>Phase sequence protection, water shortage protection, motor thermal protection, condensing fan speed regulation, fault code output and other functions. |              |              |               |               |              |
| 进出水接口尺寸 Water Inlet and Outlet Interface Size |                    | DN20                                                                                                                                                                                             | DN32         |              |               | DN40          |              |
| 产品尺寸 Product size(mm)                         |                    | 1100*420*850                                                                                                                                                                                     |              |              | 1100*420*1250 | 1200*490*1570 |              |
| 安装尺寸 Installation dimension(mm)               |                    | 580*385                                                                                                                                                                                          |              |              |               | 640*440       |              |

工作原理:制冷剂经过压缩机压缩后排出高温高压的气体, 通过水冷换热器进行换热后变成高压液态制冷剂,通过节流装置进入蒸发器进行制冷。这个过程产生的高温热水通过干式冷却器和外部环境进行换热, 通过风扇加强干冷器内热水和外部环境换热, 降温后的冷却水从新进入水冷换热器和制冷剂进行换热。

Working principle: After the refrigerant is compressed by the compressor, the high temperature and high pressure gas is discharged, and the heat is exchanged by the water-cooled heat exchanger into the high pressure liquid refrigerant, and the cooling device enters the evaporator for refrigeration. The high temperature hot water generated by this process is exchanged through the dry cooler and the external environment, and the hot water in the dry cooler and the external environment are exchanged through the fan, and the cooling water enters the water-cooled heat exchanger and the refrigerant for heat exchange.

干冷器系统原理图

Schematic diagram of dry cooler system



博阳1–4HP—体变频机组技术数据 (R404A)

Boyard 1–4HP variable frequency integrated unit technical data (R404A)

|                                  |                                |                                     |                                                                    |                   |                   |                   |
|----------------------------------|--------------------------------|-------------------------------------|--------------------------------------------------------------------|-------------------|-------------------|-------------------|
| 机组型号 Model                       |                                |                                     | BYGY-010-QXL-REDP                                                  | BYGY-020-QXL-REDP | BYGY-030-QXL-REDP | BYGY-040-QXL-REDP |
| 名义输入功率① Nominal Input (W)        |                                |                                     | 1150                                                               | 1700              | 2650              | 3500              |
| 电源 Power Supply                  |                                |                                     | 220V 50/60 Hz                                                      |                   |                   |                   |
| 冷媒 Refrigerant                   |                                |                                     | R404A 或等同品                                                         |                   |                   |                   |
| 最大运行电流② Max Running Current (A)  |                                |                                     | 6.2                                                                | 10.5              | 16.5              | 23.0              |
| 蒸发温度范围 Evap.Temp(℃)              |                                |                                     | -40 ~ -5℃                                                          |                   |                   |                   |
| 环境温度范围 Ambient Temp(℃)           |                                |                                     | 0 ~ 43℃                                                            |                   |                   |                   |
| 压缩机(型号) Compressor (Model)       |                                |                                     | JXSD150Z312                                                        | KXSD203Z312       | KXSD300Z312       | KXSD456Z312       |
| 冷凝器<br>Condenser                 | 规格 Style                       |                                     | 铜管翅片冷凝器或微通道冷凝器 Copper tube fin condenser or microchannel condenser |                   |                   |                   |
|                                  | 风扇电机<br>Fan Motor              | 风扇直径*数量 (mm)<br>Diameter * Quantity | φ 380*1                                                            | φ 380*1           | φ 380*1           | φ 380*2           |
|                                  |                                | 风量(m³/hr)<br>Air Flow               | 2670                                                               | 2670              | 2670              | 5340              |
| 蒸发器<br>Evaporator                | 规格 Style                       |                                     | 铜管翅片冷凝器 Copper tube fin condenser                                  |                   |                   |                   |
|                                  | 风扇电机<br>Fan Motor              | 风扇直径*数量 (mm)<br>Diameter * Quantity | φ 300*1                                                            | φ 300*1           | φ 300*1           | φ 300*2           |
|                                  |                                | 风量(m³/hr)<br>Air Flow               | 1800                                                               | 1800              | 1800              | 3600              |
| 外形尺寸<br>(mm)<br>Out<br>Dimension | 长(mm) Length                   |                                     | 680                                                                |                   |                   | 870               |
|                                  | 宽(mm) Width                    |                                     | 890                                                                | 930               |                   |                   |
|                                  | 高(mm) Height                   |                                     | 720                                                                |                   |                   |                   |
| 制冷量<br>(W)<br>Capacity           | 蒸发温度(℃) Evap Temp              |                                     | 环境温度 Ambient Temp:32℃                                              |                   |                   |                   |
|                                  | -40                            |                                     | 580                                                                | 925               | 1365              | 1980              |
|                                  | -35                            |                                     | 710                                                                | 1185              | 1625              | 2460              |
|                                  | -30                            |                                     | 890                                                                | 1440              | 2060              | 3070              |
|                                  | -25                            |                                     | 1125                                                               | 1805              | 2485              | 3820              |
|                                  | -20                            |                                     | 1390                                                               | 2110              | 3100              | 4680              |
|                                  | -15                            |                                     | 1660                                                               | 2575              | 3550              | 5650              |
|                                  | -10                            |                                     | 1950                                                               | 3090              | 4525              | 6700              |
| -5                               |                                | 2280                                | 3690                                                               | 5440              | 7900              |                   |
| 接线容量<br>Wiring<br>Capacity       | 漏电<br>保护器<br>Leak<br>Protector | 额定电流(A)<br>Rated Current            | 15                                                                 | 20                | 20                | 20                |
|                                  |                                | 泄漏电流(mA)<br>Leak Current            | 30                                                                 | 30                | 30                | 30                |
|                                  | 线径<br>(mm²)<br>Diameter        | L≤10m                               | 2.0                                                                | 4.0               | 4.0               | 4.0               |
|                                  |                                | 10 < L≤20m                          | 2.5                                                                | 6.0               | 6.0               | 6.0               |
|                                  |                                | 20 < L≤30m                          | 2.5                                                                | 6.0               | 6.0               | 6.0               |

\*注: ①表示名义制冷量的测试工况; ②表示最大运行电流的测试工况。①Refrigerating capacity test condition; ②The biggest running current test condition.

测试工况(GB/T 21363-2018) Test Condition

| 编号 | 试验条件<br>TEST CATION              | 环境温度<br>AMBIENT TEMP. | 蒸发温度<br>EVAP. TEMP. | 试验电源<br>TESTING POWER SUPPLY |
|----|----------------------------------|-----------------------|---------------------|------------------------------|
| ①  | 名义工况<br>STANDARD TEST CONDITIONS | 32℃                   | –7℃                 | 220V ~ 50/60Hz               |
| ②  | 最大运行<br>OVERLOAD RUNNING         | 43℃                   | 0℃                  | 198V ~ 50/60Hz               |

卧式50Hz机组 ( R22 )

Horizontal Condensing Unit 50Hz(R22)

|                                  |                                |                                     |                                                                                                                              |                    |                    |                    |                    |
|----------------------------------|--------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| 机组型号 Model                       |                                |                                     | HQHL-13EB01                                                                                                                  | HQHL-16EB01        | HQHL-23EBP01       | HQHL-30EBP01       | HQHL-36EBP01       |
| 名义输入功率① Nominal Input (W)        |                                |                                     | 730                                                                                                                          | 950                | 1320               | 1700               | 1900               |
| 电源 Power Supply                  |                                |                                     | 1PH 220V 50Hz                                                                                                                |                    |                    |                    |                    |
| 冷媒 Refrigerant                   |                                |                                     | R22                                                                                                                          |                    |                    |                    |                    |
| 最大充注量 Refrigerant Max. (Kg)      |                                |                                     | 1.2                                                                                                                          | 1.5                | 2.0                | 3.0                | 3.0                |
| 启动电流 Start-Up Current (A)        |                                |                                     | 20                                                                                                                           | 25                 | 30                 | 40                 | 42                 |
| 最大运行电流② Max Running Current (A)  |                                |                                     | 4.5                                                                                                                          | 6.0                | 8.0                | 10.0               | 12.0               |
| 蒸发温度范围 Evap.Temp(℃)              |                                |                                     | -40~-5℃                                                                                                                      |                    |                    |                    |                    |
| 环境温度范围 Ambient Temp(℃)           |                                |                                     | 0~43℃(当环境温度低于10℃时, 需要增加冷凝温度控制)<br>( The environmental temperature under 10℃, Increase the condensation temperature control ) |                    |                    |                    |                    |
| 压缩机(型号) Compressor (Model)       |                                |                                     | QHL-13E                                                                                                                      | QHL-16E            | QHL-23E            | QHL-30E            | QHL-36E            |
| 冷凝器<br>Condenser                 | 规格 Style                       |                                     | 4排4.5环                                                                                                                       | 4排4.5环             | 5排4.5环             | 5排4.5环             | 5排4.5环             |
|                                  | 风扇电机<br>Fan Motor              | 风扇直径*数量 (mm)<br>Diameter * Quantity | φ 230*2<br>(10W*2)                                                                                                           | φ 230*2<br>(16W*2) | φ 230*2<br>(16W*2) | φ 230*3<br>(16W*3) | φ 230*3<br>(16W*3) |
|                                  |                                | 风量(m³/hr)<br>Air Flow               | 680*2                                                                                                                        | 730*2              | 730*2              | 730*3              | 730*3              |
| 接管(mm)<br>Pipe                   | 吸气口(直径)Gas Inlet Diam OD       |                                     | φ 12.7(1/2")                                                                                                                 |                    |                    |                    |                    |
|                                  | 液体出口(直径) Liquid Outlet OD      |                                     | φ 9.53(3/8")                                                                                                                 |                    |                    |                    |                    |
| 外形尺寸<br>(mm)<br>Out<br>Dimension | 长(mm) Length                   |                                     | 680                                                                                                                          | 680                | 790                | 940                | 1145               |
|                                  | 宽(mm) Width                    |                                     | 485                                                                                                                          | 485                | 520                | 520                | 520                |
|                                  | 高(mm) Height                   |                                     | 263                                                                                                                          |                    |                    |                    |                    |
| 成品重量 (Kg) Weight                 |                                |                                     | 29                                                                                                                           | 30                 | 37.5               | 46.5               | 50.5               |
| 制冷量<br>(W)<br>Capacity           | 蒸发温度(℃) Evap Temp              |                                     | 环境温度 Ambient Temp:32℃ 过冷度 Sub-cooling 0℃                                                                                     |                    |                    |                    |                    |
|                                  | -40                            |                                     | 370                                                                                                                          | 480                | 640                | 800                | 940                |
|                                  | -35                            |                                     | 515                                                                                                                          | 610                | 830                | 1005               | 1205               |
|                                  | -30                            |                                     | 630                                                                                                                          | 725                | 930                | 1265               | 1460               |
|                                  | -25                            |                                     | 725                                                                                                                          | 900                | 1175               | 1460               | 1640               |
|                                  | -20                            |                                     | 890                                                                                                                          | 1180               | 1420               | 1880               | 2090               |
|                                  | -15                            |                                     | 1105                                                                                                                         | 1375               | 1700               | 2180               | 2550               |
|                                  | -10                            |                                     | 1335                                                                                                                         | 1545               | 2150               | 2635               | 3100               |
| 接线容量<br>Wiring<br>Capacity       | 漏电<br>保护器<br>Leak<br>Protector | 额定电流(A)<br>Rated Current            | 10                                                                                                                           | 10                 | 15                 | 20                 | 25                 |
|                                  |                                | 泄漏电流(mA)<br>Leak Current            | 30                                                                                                                           | 30                 | 30                 | 30                 | 30                 |
|                                  | 线径<br>(mm²)<br>Diameter        | L≤10m                               | 2.5                                                                                                                          | 2.5                | 2.5                | 4.0                | 4.0                |
|                                  |                                | 10 < L≤20m                          | 2.5                                                                                                                          | 2.5                | 2.5                | 6.0                | 6.0                |
|                                  |                                | 20 < L≤30m                          | 2.5                                                                                                                          | 2.5                | 2.5                | 6.0                | 6.0                |

\*注: ①表示名义制冷量的测试工况; ②表示最大运行电流的测试工况。①Refrigerating capacity test condition; ②The biggest running current test condition.

测试工况(GB/T 21363-2018) Test Condition

| 编号 | 试验条件<br>TEST CATION              | 环境温度<br>AMBIENT TEMP. | 吸气温度<br>RETURN GAS TEMP. | 蒸发温度<br>EVAP. TEMP. | 试验电源<br>TESTING POWER SUPPLY |
|----|----------------------------------|-----------------------|--------------------------|---------------------|------------------------------|
| ①  | 名义工况<br>STANDARD TEST CONDITIONS | 32℃                   | 18℃                      | –7℃                 | 220V ~ 50Hz                  |
| ②  | 最大运行<br>OVERLOAD RUNNING         | 43℃                   | 18℃                      | 0℃                  | 198V ~ 50Hz                  |

卧式50Hz机组 ( R404A )

Horizontal Condensing Unit 50Hz(R404A)

| 机组型号 Model                      |                           |                                     | HQHD-13KBP                                                                                                                    | HQHD-16KBP         | HQSD-203KBP        | HQHD-23KBP         | HQHD-30KBP         | HQSD-329KBP20      | HQHD-36KBP         | HQSD-456KBP        |
|---------------------------------|---------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 名义输入功率① Nominal Input (W)       |                           |                                     | 820                                                                                                                           | 1000               | 1175               | 1540               | 1910               | 2010               | 2130               | 2800               |
| 电源 Power Supply                 |                           |                                     | 1PH 220 ~ 240V 50Hz                                                                                                           |                    |                    |                    |                    |                    |                    |                    |
| 冷媒 Refrigerant                  |                           |                                     | R404A或等同品 R404A or Equivalent                                                                                                 |                    |                    |                    |                    |                    |                    |                    |
| 最大充注量 Refrigerant Max. (Kg)     |                           |                                     | 1.2                                                                                                                           | 1.5                | 2.0                | 2.0                | 3.0                | 3.0                | 3.0                | 3.5                |
| 启动电流 Start-Up Current (A)       |                           |                                     | 20                                                                                                                            | 27                 | 30                 | 38                 | 42                 | 38                 | 50                 | 65                 |
| 最大运行电流② Max Running Current (A) |                           |                                     | 5.0                                                                                                                           | 6.2                | 8.0                | 9.2                | 11.0               | 12.0               | 12.5               | 16.0               |
| 蒸发温度范围 Evap.Temp(℃)             |                           |                                     | -40 ~ -5℃                                                                                                                     |                    |                    |                    |                    |                    |                    |                    |
| 环境温度范围 Ambient Temp(℃)          |                           |                                     | 0 ~ 43℃(当环境温度低于10℃时，需要增加冷凝温度控制)<br>( The environmental temperature under 10℃, Increase the condensation temperature control ) |                    |                    |                    |                    |                    |                    |                    |
| 压缩机(型号) Compressor (Model)      |                           |                                     | QHD-13K                                                                                                                       | QHD-16K            | KHSD203KS          | QHD-23K            | QHD-30K            | THSD329KS          | QHD-36K            | THSD456KS          |
| 冷凝器<br>Condenser                | 规格 Style                  |                                     | 铜管翅片冷凝器或微通道冷凝器 Copper tube fin condenser or microchannel condenser                                                            |                    |                    |                    |                    |                    |                    |                    |
|                                 | 风扇电机<br>Fan Motor         | 风扇直径*数量 (mm)<br>Diameter * Quantity | φ 230*2<br>(10W*2)                                                                                                            | φ 230*2<br>(16W*2) | φ 230*2<br>(16W*2) | φ 230*2<br>(16W*2) | φ 230*3<br>(16W*3) | φ 230*3<br>(16W*3) | φ 230*3<br>(16W*3) | φ 230*4<br>(16W*4) |
|                                 |                           | 风量(m³/hr)<br>Air Flow               | 630*2                                                                                                                         | 730*2              | 730*2              | 730*2              | 730*3              | 730*3              | 730*3              | 730*4              |
| 接管(mm)<br>Pipe                  | 吸气口(直径)Gas Inlet Diam OD  |                                     | φ 12.7(1/2")                                                                                                                  |                    |                    |                    |                    |                    |                    | φ 15.88(5/8")      |
|                                 | 液体出口(直径) Liquid Outlet OD |                                     | φ 9.53(3/8")                                                                                                                  |                    |                    |                    |                    |                    |                    |                    |
| 外形尺寸<br>(mm)<br>Out Dimension   | 长(mm) Length              |                                     | 680                                                                                                                           | 680                | 790                | 790                | 940                | 1145               | 1145               | 1350               |
|                                 | 宽(mm) Width               |                                     | 485                                                                                                                           |                    | 520                |                    |                    |                    |                    | 540                |
|                                 | 高(mm) Height              |                                     | 263                                                                                                                           |                    |                    |                    |                    |                    |                    |                    |
| 成品重量 (Kg) Weight                |                           |                                     | 29                                                                                                                            | 31                 | 35.5               | 37.5               | 47                 | 53.3               | 50.5               | 60                 |
| 制冷量<br>(W)<br>Capacity          | 蒸发温度(℃) Evap Temp         |                                     | 环境温度 Ambient Temp:32℃                                                                                                         |                    |                    |                    | 过冷度 Sub-cooling 0℃ |                    |                    |                    |
|                                 | -40                       |                                     | 390                                                                                                                           | 515                | 580                | 660                | 860                | 920                | 970                | 1365               |
|                                 | -35                       |                                     | 535                                                                                                                           | 670                | 710                | 855                | 1065               | 1145               | 1240               | 1625               |
|                                 | -30                       |                                     | 655                                                                                                                           | 775                | 890                | 960                | 1295               | 1390               | 1450               | 2060               |
|                                 | -25                       |                                     | 735                                                                                                                           | 925                | 1125               | 1210               | 1520               | 1610               | 1710               | 2450               |
|                                 | -20                       |                                     | 920                                                                                                                           | 1170               | 1390               | 1465               | 1925               | 2065               | 2200               | 3050               |
|                                 | -15                       |                                     | 1105                                                                                                                          | 1495               | 1660               | 1740               | 2285               | 2440               | 2690               | 3320               |
|                                 | -10                       |                                     | 1385                                                                                                                          | 1675               | 1950               | 2200               | 2710               | 2900               | 3225               | 4450               |
|                                 | -5                        |                                     | 1650                                                                                                                          | 1910               | 2280               | 2535               | 3030               | 3450               | 3850               | 5200               |
| 接线容量<br>Wiring Capacity         | 漏电保护器<br>Leak Protector   | 额定电流(A)<br>Rated Current            | 10                                                                                                                            | 15                 | 20                 | 20                 | 20                 | 20                 | 20                 | 20                 |
|                                 |                           | 泄漏电流(mA)<br>Leak Current            | 30                                                                                                                            | 30                 | 30                 | 30                 | 30                 | 30                 | 30                 | 30                 |
|                                 | 线径<br>(mm²)<br>Diameter   | L≤10m                               | 2.5                                                                                                                           | 2.5                | 2.5                | 2.5                | 4.0                | 4.0                | 4.0                | 4.0                |
|                                 |                           | 10 < L≤20m                          | 2.5                                                                                                                           | 2.5                | 2.5                | 2.5                | 6.0                | 6.0                | 6.0                | 6.0                |
|                                 |                           | 20 < L≤30m                          | 2.5                                                                                                                           | 2.5                | 2.5                | 2.5                | 6.0                | 6.0                | 6.0                | 6.0                |

\*注: ①表示名义制冷量的测试工况;②表示最大运行电流的测试工况。 ①Refrigerating capacity test condition;②The biggest running current test condition.

测试工况(GB/T 21363-2018) Test Condition

| 编号 | 试验条件<br>TEST CATION              | 环境温度<br>AMBIENT TEMP. | 吸气温度<br>RETURN GAS TEMP. | 蒸发温度<br>EVAP. TEMP. | 试验电源<br>TESTING POWER SUPPLY |
|----|----------------------------------|-----------------------|--------------------------|---------------------|------------------------------|
| ①  | 名义工况<br>STANDARD TEST CONDITIONS | 32℃                   | 18℃                      | -7℃                 | 220V ~ 50Hz                  |
| ②  | 最大运行<br>OVERLOAD RUNNING         | 43℃                   | 18℃                      | 0℃                  | 198V ~ 50Hz                  |

卧式50Hz机组 ( R290 )

Horizontal Condensing Unit 50Hz(R290)

| 机组型号 Model                       |                                |                                     | HQHP-16KBI                                                                                                                        | HQHP-23KBI         | HQHP-33KBI         |
|----------------------------------|--------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| 电源 Power Supply                  |                                |                                     | 1PH 220 ~ 240V 50Hz                                                                                                               |                    |                    |
| 冷媒 Refrigerant                   |                                |                                     | R290                                                                                                                              |                    |                    |
| 最大充注量 Refrigerant Max. (g)       |                                |                                     | 150                                                                                                                               | 250                | 500                |
| 蒸发温度范围 Evap.Temp(°C)             |                                |                                     | -40 ~ -5°C                                                                                                                        |                    |                    |
| 环境温度范围 Ambient Temp(°C)          |                                |                                     | 10 ~ 43°C(当环境温度低于10°C时，需要增加冷凝温度控制)<br>( The environmental temperature under 10°C, Increase the condensation temperature control ) |                    |                    |
| 压缩机(型号) Compressor (Model)       |                                |                                     | KHP164KS                                                                                                                          | SHP236KS           | THSP329KS          |
| 冷凝器<br>Condenser                 | 规格 Style                       |                                     | 铜管翅片冷凝器或微通道冷凝器 Copper tube fin condenser or microchannel condenser                                                                |                    |                    |
|                                  | 风扇电机<br>Fan Motor              | 风扇直径*数量 (mm)<br>Diameter * Quantity | φ 230*2<br>(16W*2)                                                                                                                | φ 230*2<br>(16W*2) | φ 230*3<br>(16W*3) |
|                                  |                                | 风量(m³/hr)<br>Air Flow               | 730*2                                                                                                                             | 730*2              | 730*3              |
| 接管(mm)<br>Pipe                   | 吸气口(直径)Gas Inlet Diam OD       |                                     | φ 9.53(3/8" )                                                                                                                     | φ 12.7(1/2")       |                    |
|                                  | 液体出口(直径) Liquid Outlet OD      |                                     | 6.35(1/4")                                                                                                                        |                    | 7.94(5/16")        |
| 外形尺寸<br>(mm)<br>Out<br>Dimension | 长(mm) Length                   |                                     | 680                                                                                                                               | 790                | 940                |
|                                  | 宽(mm) Width                    |                                     | 485                                                                                                                               | 520                | 520                |
|                                  | 高(mm) Height                   |                                     | 251                                                                                                                               |                    | 263                |
| 制冷量<br>(W)<br>Capacity           | 蒸发温度(°C) Evap Temp             |                                     | 环境温度 Ambient Temp:32°C 过冷度 Sub-cooling 0°C                                                                                        |                    |                    |
|                                  | -40                            |                                     | 440                                                                                                                               | 570                | 790                |
|                                  | -35                            |                                     | 570                                                                                                                               | 740                | 980                |
|                                  | -30                            |                                     | 660                                                                                                                               | 830                | 1200               |
|                                  | -25                            |                                     | 785                                                                                                                               | 1040               | 1380               |
|                                  | -20                            |                                     | 995                                                                                                                               | 1260               | 1780               |
|                                  | -15                            |                                     | 1270                                                                                                                              | 1500               | 2100               |
|                                  | -10                            |                                     | 1420                                                                                                                              | 1900               | 2500               |
|                                  | -5                             |                                     | 1630                                                                                                                              | 2200               | 3000               |
| 接线容量<br>Wiring<br>Capacity       | 漏电<br>保护器<br>Leak<br>Protector | 额定电流(A)<br>Rated Current            | 15                                                                                                                                | 20                 | 20                 |
|                                  |                                | 泄漏电流(mA)<br>Leak Current            | 30                                                                                                                                | 30                 | 30                 |
|                                  | 线径<br>(mm²)<br>Diameter        | L≤10m                               | 2.5                                                                                                                               | 2.5                | 4.0                |
|                                  |                                | 10 < L≤20m                          | 2.5                                                                                                                               | 2.5                | 6.0                |
|                                  |                                | 20 < L≤30m                          | 2.5                                                                                                                               | 2.5                | 6.0                |

\*注: ①表示名义制冷量的测试工况;②表示最大运行电流的测试工况。 ①Refrigerating capacity test condition;②The biggest running current test condition.

卧式60Hz机组（R404A）

Horizontal Condensing Unit 60Hz(R404A)

| 机组型号 Model                      |                             |                                     | HQHD<br>-135YBI01                                                                                                              | HQHD<br>-164YBI01 | HQHD<br>-236YBI01  | HQHD<br>-307YBI01  | HQHD<br>-357YBI01  | HQHD<br>-203TBI    | HQHD<br>-236TBI    | HQHD<br>-329TBI    |
|---------------------------------|-----------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 名义输入功率① Nominal Input (W)       |                             |                                     | 1020                                                                                                                           | 1130              | 1740               | 2100               | 2640               | 1500               | 1740               | 2350               |
| 电源 Power Supply                 |                             |                                     | 1PH 220V 60Hz                                                                                                                  |                   |                    |                    |                    | 1PH 115V 60Hz      |                    |                    |
| 冷媒 Refrigerant                  |                             |                                     | R404A或等同品 R404A or Equivalent                                                                                                  |                   |                    |                    |                    |                    |                    |                    |
| 最大充注量 Refrigerant Max. (Kg)     |                             |                                     | 1.5                                                                                                                            | 2.0               | 2.5                | 3.0                | 3.0                | 2.5                | 3.0                | 3.0                |
| 启动电流 Start-Up Current (A)       |                             |                                     | 26                                                                                                                             | 30                | 40                 | 52                 | 60                 | 68                 | 75                 | 90                 |
| 最大运行电流② Max Running Current (A) |                             |                                     | 5.5                                                                                                                            | 6.5               | 9.5                | 12                 | 14.5               | 15                 | 18                 | 22                 |
| 蒸发温度范围 Evap.Temp(℃)             |                             |                                     | -40 ~ -5℃                                                                                                                      |                   |                    |                    |                    |                    |                    |                    |
| 环境温度范围 Ambient Temp(℃)          |                             |                                     | 0 ~ 43℃(当环境温度低于10℃时， 需要增加冷凝温度控制)<br>( The environmental temperature under 10℃, Increase the condensation temperature control ) |                   |                    |                    |                    |                    |                    |                    |
| 压缩机(型号) Compressor (Model)      |                             |                                     | KHD135YS                                                                                                                       | KHD164YS          | SHD236YS           | THD307YS           | THD357YS           | KHSD203TS          | SHD236TS           | THSD329TS          |
| 冷凝器<br>Condenser                | 规格 Style                    |                                     | 铜管翅片冷凝器或微通道冷凝器 Copper tube fin condenser or microchannel condenser                                                             |                   |                    |                    |                    |                    |                    |                    |
|                                 | 风扇电机<br>Fan Motor           | 风扇直径*数量 (mm)<br>Diameter * Quantity | φ 230*2<br>(16W*2)                                                                                                             | 230*2<br>(16W*2)  | φ 230*3<br>(16W*3) | φ 230*3<br>(16W*3) | φ 230*4<br>(16W*4) | φ 230*2<br>(16W*2) | φ 230*3<br>(16W*3) | φ 230*3<br>(16W*3) |
|                                 |                             | 风量(m³/hr)<br>Air Flow               | 750*2                                                                                                                          | 750*2             | 750*3              | 750*3              | 750*4              | 750*2              | 750*3              | 750*3              |
| 接管(mm)<br>Pipe                  | 吸气口(直径)Gas Inlet Diam OD    |                                     | φ 12.7(1/2")                                                                                                                   |                   |                    |                    |                    |                    |                    |                    |
|                                 | 液体出口(直径) Liquid Outlet OD   |                                     | φ 9.53(3/8")                                                                                                                   |                   |                    |                    |                    |                    |                    |                    |
| 外形尺寸<br>(mm)<br>Out Dimension   | 长(mm) Length                |                                     | 680                                                                                                                            | 790               | 940                | 1145               | 1350               | 790                | 940                | 1145               |
|                                 | 宽(mm) Width                 |                                     | 520                                                                                                                            |                   |                    |                    | 540                | 520                |                    |                    |
|                                 | 高(mm) Height                |                                     | 251                                                                                                                            |                   |                    |                    |                    |                    |                    |                    |
| 成品重量 (Kg) Weight                |                             |                                     | 32                                                                                                                             | 34                | 42                 | 53                 | 60                 | 38                 | 42                 | 53                 |
| 制冷量<br>(W)<br>Capacity          | 蒸发温度(℃) Evap Temp           |                                     | 环境温度 Ambient Temp:32℃ 过冷度 Sub-cooling 0℃                                                                                       |                   |                    |                    |                    |                    |                    |                    |
|                                 | -40                         |                                     | 500                                                                                                                            | 560               | 795                | 1000               | 1240               | 680                | 795                | 1050               |
|                                 | -35                         |                                     | 650                                                                                                                            | 860               | 985                | 1280               | 1480               | 850                | 985                | 1350               |
|                                 | -30                         |                                     | 750                                                                                                                            | 855               | 1200               | 1500               | 1880               | 1030               | 1200               | 1580               |
|                                 | -25                         |                                     | 900                                                                                                                            | 1080              | 1400               | 1770               | 2250               | 1200               | 1400               | 1850               |
|                                 | -20                         |                                     | 1135                                                                                                                           | 1335              | 1780               | 2280               | 2780               | 1530               | 1780               | 2400               |
|                                 | -15                         |                                     | 1450                                                                                                                           | 1600              | 2100               | 2800               | 3000               | 1800               | 2100               | 2950               |
|                                 | -10                         |                                     | 1625                                                                                                                           | 1870              | 2500               | 3350               | 4050               | 2150               | 2500               | 3520               |
| -5                              |                             |                                     | 1850                                                                                                                           | 2250              | 3000               | 4000               | 4750               | 2580               | 3000               | 4200               |
| 接线容量<br>Wiring Capacity         | 漏电<br>保护器<br>Leak Protector | 额定电流(A)<br>Rated Current            | 10                                                                                                                             | 15                | 20                 | 20                 | 20                 | 32                 | 32                 | 32                 |
|                                 |                             | 泄漏电流(mA)<br>Leak Current            | 30                                                                                                                             | 30                | 30                 | 30                 | 30                 | 30                 | 30                 | 30                 |
|                                 | 线径<br>(mm²)<br>Diameter     | L≤10m                               | 2.5                                                                                                                            | 2.5               | 4.0                | 4.0                | 4.0                | 4.0                | 4.0                | 4.0                |
|                                 |                             | 10 < L≤20m                          | 2.5                                                                                                                            | 2.5               | 6.0                | 6.0                | 6.0                | 6.0                | 8.0                | 8.0                |
|                                 |                             | 20 < L≤30m                          | 2.5                                                                                                                            | 2.5               | 6.0                | 6.0                | 6.0                | 6.0                | 8.0                | 8.0                |

\*注: ①表示名义制冷量的测试工况; ②表示最大运行电流的测试工况。 ①Refrigerating capacity test condition; ②The biggest running current test condition.

测试工况(GB/T 21363-2018) Test Condition

| 编号 | 试验条件<br>TEST CATION              | 环境温度<br>AMBIENT TEMP. | 吸气温度<br>RETURN GAS TEMP. | 蒸发温度<br>EVAP. TEMP. | 试验电源<br>TESTING POWER SUPPLY |
|----|----------------------------------|-----------------------|--------------------------|---------------------|------------------------------|
| ①  | 名义工况<br>STANDARD TEST CONDITIONS | 32℃                   | 18℃                      | -7℃                 | 220V ~ 60Hz or 115 ~ 60Hz    |
| ②  | 最大运行<br>OVERLOAD RUNNING         | 43℃                   | 18℃                      | 0℃                  | 198V ~ 60Hz or 100 ~ 60Hz    |

卧式变频机组（R404A）

Horizontal Inverter Condensing Unit(R404A)

| 机组型号 Model                      |                           |                                     | HQSD-210KBI40                                                      | HQSD-285KBI40     | HQSD-360KBI40     | HQSD-460KBI40     | HQSD-540KBI40     |
|---------------------------------|---------------------------|-------------------------------------|--------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| 名义输入功率① Nominal Input (W)       |                           |                                     | 1200                                                               | 1550              | 1950              | 2550              | 2890              |
| 电源 Power Supply                 |                           |                                     | 220V 50/60 Hz                                                      |                   |                   |                   |                   |
| 冷媒 Refrigerant                  |                           |                                     | R404A或等同品 R404A or Equivalent                                      |                   |                   |                   |                   |
| 最大充注量 Refrigerant Max. (Kg)     |                           |                                     | 1.8                                                                | 2.5               | 3.5               | 3.5               | 4.5               |
| 最大运行电流② Max Running Current (A) |                           |                                     | 6                                                                  | 10.5              | 13.5              | 16.5              | 20.0              |
| 蒸发温度范围 Evap.Temp(℃)             |                           |                                     | -40 ~ -5℃                                                          |                   |                   |                   |                   |
| 环境温度范围 Ambient Temp(℃)          |                           |                                     | 10 ~ 43℃                                                           |                   |                   |                   |                   |
| 压缩机(型号) Compressor (Model)      |                           |                                     | JHSD150Z312                                                        | KHSD203Z312       | KHSD300Z312       | KHSD300Z312       | THSD456Z312       |
| 冷凝器<br>Condenser                | 规格 Style                  |                                     | 铜管翅片冷凝器或微通道冷凝器 Copper tube fin condenser or microchannel condenser |                   |                   |                   |                   |
|                                 | 风扇电机<br>Fan Motor         | 风扇直径*数量 (mm)<br>Diameter * Quantity | φ 230*2<br>(EC风机)                                                  | φ 230*3<br>(EC风机) | φ 230*3<br>(EC风机) | φ 230*4<br>(EC风机) | φ 254*4<br>(EC风机) |
|                                 |                           | 风量(m³/hr)<br>Air Flow               | 730*2                                                              | 730*3             | 730*3             | 730*4             | 840*4             |
| 接管(mm)<br>Pipe                  | 吸气口(直径)Gas Inlet Diam OD  |                                     | φ 12.7(1/2")                                                       |                   |                   | φ 15.88(5/8")     |                   |
|                                 | 液体出口(直径) Liquid Outlet OD |                                     | φ 9.53(3/8")                                                       |                   |                   |                   |                   |
| 外形尺寸<br>(mm)<br>Out Dimension   | 长(mm) Length              |                                     | 790                                                                | 940               | 1145              | 1350              | 1350              |
|                                 | 宽(mm) Width               |                                     | 600                                                                | 620               | 600               | 600               | 600               |
|                                 | 高(mm) Height              |                                     | 251                                                                |                   |                   |                   |                   |
| 成品重量 (Kg) Weight                |                           |                                     | 33.5                                                               | 47                | 53                | 62                | 73                |
| 制冷量<br>(W)<br>Capacity          | 蒸发温度(℃) Evap Temp         |                                     | 环境温度 Ambient Temp:32℃ 过冷度 Sub-cooling 0℃                           |                   |                   |                   |                   |
|                                 | -40                       |                                     | 590                                                                | 840               | 990               | 1100              | 1320              |
|                                 | -35                       |                                     | 720                                                                | 1040              | 1260              | 1415              | 1700              |
|                                 | -30                       |                                     | 910                                                                | 1250              | 1480              | 1790              | 2150              |
|                                 | -25                       |                                     | 1150                                                               | 1500              | 1750              | 2160              | 2600              |
|                                 | -20                       |                                     | 1410                                                               | 1890              | 2250              | 2695              | 3240              |
|                                 | -15                       |                                     | 1700                                                               | 2240              | 2750              | 3090              | 3700              |
|                                 | -10                       |                                     | 2000                                                               | 2650              | 3300              | 3935              | 4720              |
| 接线容量<br>Wiring Capacity         | 漏电保护器<br>Leak Protector   | 额定电流(A)<br>Rated Current            | 15                                                                 | 20                | 20                | 20                | 20                |
|                                 |                           | 泄漏电流(mA)<br>Leak Current            | 30                                                                 | 30                | 30                | 30                | 30                |
|                                 | 线径<br>(mm²)<br>Diameter   | L≤10m                               | 2.0                                                                | 4.0               | 4.0               | 4.0               | 4.0               |
|                                 |                           | 10 < L≤20m                          | 2.5                                                                | 6.0               | 6.0               | 6.0               | 6.0               |
|                                 |                           | 20 < L≤30m                          | 2.5                                                                | 6.0               | 6.0               | 6.0               | 6.0               |

\*注: ①表示名义制冷量的测试工况; ②表示最大运行电流的测试工况。 ①Refrigerating capacity test condition; ②The biggest running current test condition.

测试工况(GB/T 21363-2018) Test Condition

| 编号 | 试验条件<br>TEST CATION              | 环境温度<br>AMBIENT TEMP. | 吸气温度<br>RETURN GAS TEMP. | 蒸发温度<br>EVAP. TEMP. | 试验电源<br>TESTING POWER SUPPLY |
|----|----------------------------------|-----------------------|--------------------------|---------------------|------------------------------|
| ①  | 名义工况<br>STANDARD TEST CONDITIONS | 32℃                   | 18℃                      | -7℃                 | 220V ~ 50Hz                  |
| ②  | 最大运行<br>OVERLOAD RUNNING         | 43℃                   | 18℃                      | 0℃                  | 198V ~ 50Hz                  |

卧式接水盘50Hz机组 ( R404A )

Horizontal Condensing Unit With Boiling Plate 50Hz(R404A)

| 机组型号 Model                      |                           |                                     | HQHD-16KBI31                                                                                                                  | HQHD-23KBI31       | HQHD-30KBI31       | HQHD-36KBI31       | HQSD-456KBI31      |
|---------------------------------|---------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| 名义输入功率① Nominal Input (W)       |                           |                                     | 920                                                                                                                           | 1320               | 1700               | 1900               | 2340               |
| 电源 Power Supply                 |                           |                                     | 1PH 220 ~ 240V 50Hz                                                                                                           |                    |                    |                    |                    |
| 冷媒 Refrigerant                  |                           |                                     | R404A或等同品 R404A or Equivalent                                                                                                 |                    |                    |                    |                    |
| 最大充注量 Refrigerant Max. (Kg)     |                           |                                     | 1.5                                                                                                                           | 2.0                | 3.0                | 3.0                | 3.5                |
| 启动电流 Start-Up Current (A)       |                           |                                     | 27                                                                                                                            | 38                 | 42                 | 50                 | 65                 |
| 最大运行电流② Max Running Current (A) |                           |                                     | 6.2                                                                                                                           | 9.2                | 11.0               | 12.5               | 16.0               |
| 蒸发温度范围 Evap.Temp(℃)             |                           |                                     | -40~-5℃                                                                                                                       |                    |                    |                    |                    |
| 环境温度范围 Ambient Temp(℃)          |                           |                                     | 0 ~ 43℃(当环境温度低于10℃时，需要增加冷凝温度控制)<br>( The environmental temperature under 10℃, Increase the condensation temperature control ) |                    |                    |                    |                    |
| 压缩机(型号) Compressor (Model)      |                           |                                     | QHD-16K                                                                                                                       | QHD-23K            | QHD-30K            | QHD-36K            | THSD456KS          |
| 冷凝器<br>Condenser                | 规格 Style                  |                                     | 铜管翅片冷凝器或微通道冷凝器 Copper tube fin condenser or microchannel condenser                                                            |                    |                    |                    |                    |
|                                 | 风扇电机<br>Fan Motor         | 风筒直径*数量 (mm)<br>Diameter * Quantity | φ 254*1<br>(16W)                                                                                                              | φ 230*2<br>(16W*2) | φ 230*3<br>(16W*3) | φ 230*3<br>(16W*3) | φ 230*4<br>(16W*4) |
|                                 |                           | 风量(m³/hr)<br>Air Flow               | 840*1                                                                                                                         | 730*2              | 730*3              | 730*3              | 730*4              |
| 接管(mm)<br>Pipe                  | 吸气口(直径)Gas Inlet Diam OD  |                                     | φ 12.7(1/2")                                                                                                                  |                    |                    |                    | φ 15.88            |
|                                 | 液体出口(直径) Liquid Outlet OD |                                     | φ 9.53(3/8")                                                                                                                  |                    |                    |                    |                    |
| 外形尺寸<br>(mm)<br>Out Dimension   | 长(mm) Length              |                                     | 620                                                                                                                           | 790                | 940                | 1145               | 1350               |
|                                 | 宽(mm) Width               |                                     | 550                                                                                                                           | 620                |                    |                    |                    |
|                                 | 高(mm) Height              |                                     | 300                                                                                                                           | 263                |                    |                    |                    |
| 制冷量<br>(W)<br>Capacity          | 蒸发温度(℃) Evap Temp         |                                     | 环境温度 Ambient Temp:32℃ 过冷度 Sub-cooling 0℃                                                                                      |                    |                    |                    |                    |
|                                 | -40                       |                                     | 515                                                                                                                           | 660                | 860                | 970                | 1365               |
|                                 | -35                       |                                     | 670                                                                                                                           | 855                | 1065               | 1240               | 1625               |
|                                 | -30                       |                                     | 775                                                                                                                           | 960                | 1295               | 1450               | 2060               |
|                                 | -25                       |                                     | 925                                                                                                                           | 1210               | 1520               | 1710               | 2450               |
|                                 | -20                       |                                     | 1170                                                                                                                          | 1465               | 1925               | 2200               | 3050               |
|                                 | -15                       |                                     | 1495                                                                                                                          | 1740               | 2285               | 2690               | 3320               |
|                                 | -10                       |                                     | 1675                                                                                                                          | 2200               | 2710               | 3225               | 4450               |
| 接线容量<br>Wiring Capacity         | 漏电保护器<br>Leak Protector   | 额定电流(A)<br>Rated Current            | 10                                                                                                                            | 10                 | 15                 | 20                 | 20                 |
|                                 |                           | 泄漏电流(mA)<br>Leak Current            | 30                                                                                                                            | 30                 | 30                 | 30                 | 30                 |
|                                 | 线径<br>(mm²)<br>Diameter   | L≤10m                               | 2.5                                                                                                                           | 2.5                | 4.0                | 4.0                | 4.0                |
|                                 |                           | 10 < L≤20m                          | 2.5                                                                                                                           | 2.5                | 6.0                | 6.0                | 6.0                |
|                                 |                           | 20 < L≤30m                          | 2.5                                                                                                                           | 2.5                | 6.0                | 6.0                | 6.0                |

\*注:①表示名义制冷量的测试工况;②表示最大运行电流的测试工况。①Refrigerating capacity test condition;②The biggest running current test condition.

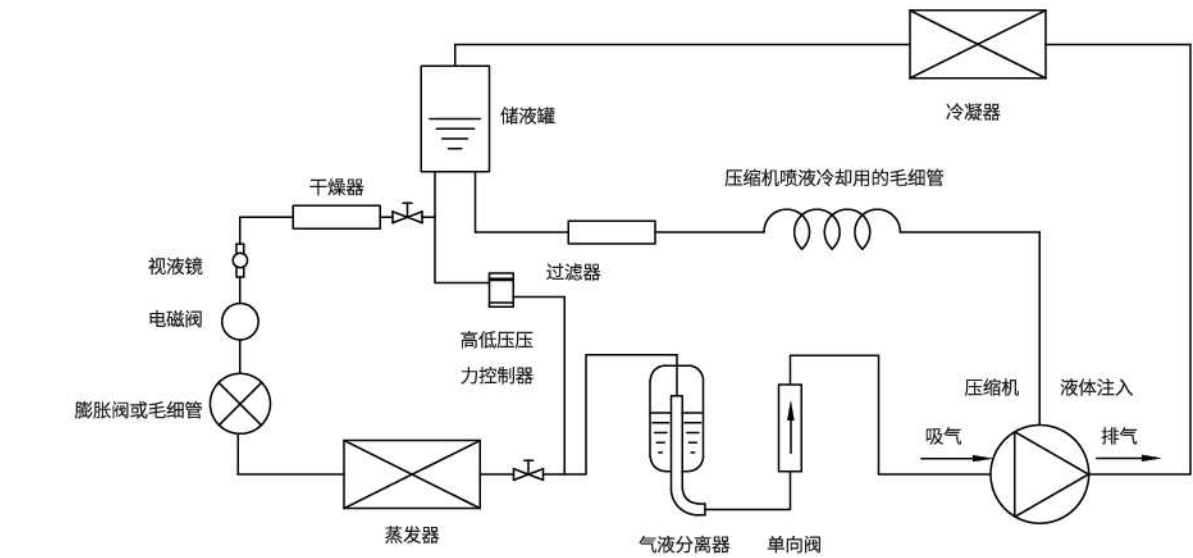
测试工况(GB/T 21363-2018) Test Condition

| 编号 | 试验条件<br>TEST CATION              | 环境温度<br>AMBIENT TEMP. | 吸气温度<br>RETURN GAS TEMP. | 蒸发温度<br>EVAP. TEMP. | 试验电源<br>TESTING POWER SUPPLY |
|----|----------------------------------|-----------------------|--------------------------|---------------------|------------------------------|
| ①  | 名义工况<br>Standard test conditions | 32°C                  | 5°C                      | -23°C               | 220V ~ 50Hz                  |
| ②  | 最大运行<br>OVERLOAD RUNNING         | 43°C                  | 18°C                     | 0°C                 | 198V ~ 50Hz                  |

产品原理图  
PRODUCT SCHEMATIC DIAGRAM

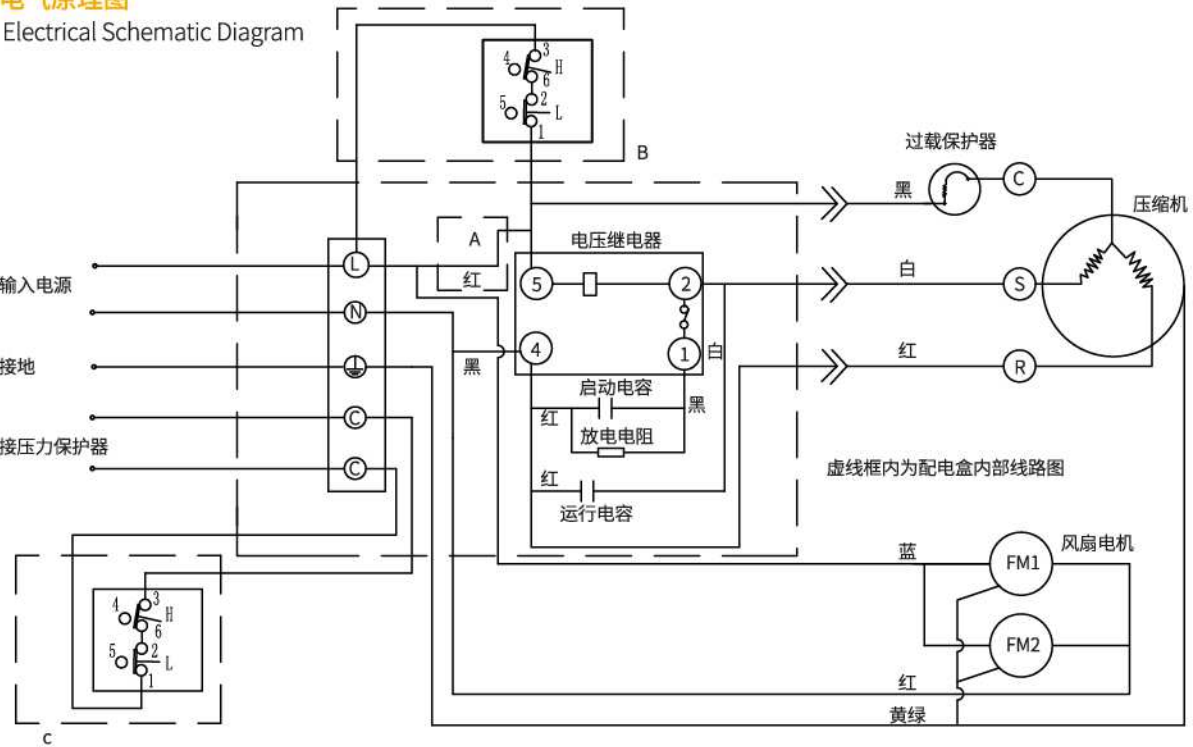
制冷系统原理图

Schematic Diagram Of Refrigeration System



电气原理图

Electrical Schematic Diagram



注:  
一、安装机械式高低压压力开关 (高压压力值和低压压力值可调)  
1、输入功率≤1.5Kw, 按B电路接线, 无A线;  
2、输入功率>1.5Kw, 按C电路接线, 有A线;  
二、使用针式压控 (压力值不可调)  
1、按C电路接线, 有A线;  
三、不安装高低压压力开关  
1、按A电路接线, 无B、C电路。