

FRUIT & VEGETABLE

百尔制冷

产品手册

PRODUCT MANUAL

冷凝机组

Condensing Units



**BEIJER REF**

China



# CONTENT

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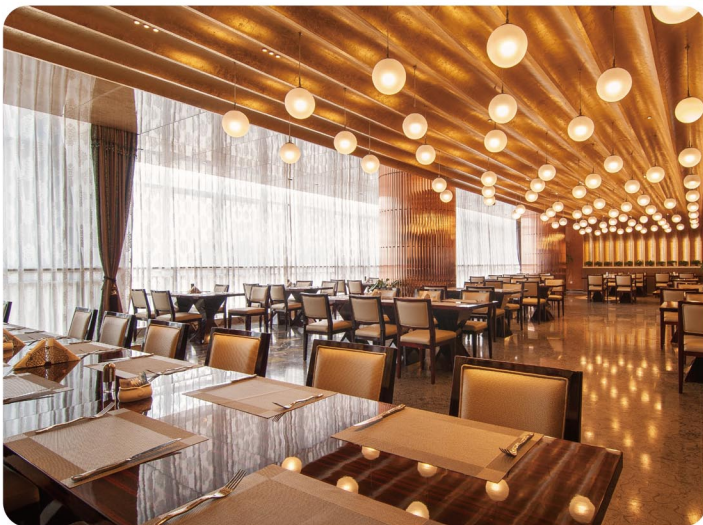
|                           |                          |                |              |    | 市场<br>Markets      |                    |                      |                |            |
|---------------------------|--------------------------|----------------|--------------|----|--------------------|--------------------|----------------------|----------------|------------|
| 冷凝机组<br>Condensing Units  |                          |                |              |    | 餐饮<br>Food Service | 超市<br>Super Market | 冷冻冷藏<br>Cold Storage | 工业<br>Industry | 页码<br>Page |
| 精锐系列<br>Slim Power Series | 室外型壁挂<br>冷凝机组<br>Outdoor | 中温 Medium      | 3.88 > 12.65 | kW | ○                  | ○                  | ○                    |                | 3          |
|                           |                          | 低温X Low        | 3.06 > 9.01  |    |                    |                    |                      |                |            |
|                           |                          | 低温N Low        | 1.93 > 7.91  |    |                    |                    |                      |                |            |
|                           | 直流变频<br>BLD C            | 低温 Low         | 2 > 10       | HP | ○                  | ○                  | ○                    |                | 15         |
|                           |                          | 中温 Medium      | 2 > 12       |    |                    |                    |                      |                |            |
| Centurion CDU             | Centurion                | 中低温 Medium&Low | 10.9>39.5    | kW | ○                  | ○                  | ○                    |                | 21         |

# 室外壁挂式冷凝机组

精锐系列



|                            |      |  |          |
|----------------------------|------|--|----------|
| 中温系列<br>Medium Temp Series | 3.88 |  | 12.65 kW |
| 低温X系列<br>Low Temp X Series | 3.06 |  | 9.01 kW  |
| 低温N系列<br>Low Temp N Series | 1.93 |  | 7.91 kW  |



**BEIJER REF**

Outdoor CDU  
Slim Power Series





## 描述 Description

### 稳定

#### Stability

- 核心部件，延长机组使用寿命。  
• High quality key parts, prolong the unit life.
- 排气温度保护、高低压保护、相序保护、过流保护，保障机组系统的可靠性同时加强系统运行稳定性。  
• The discharge temperature protection, High/Low pressure, phase sequence protection, over-current protection, guarantee the reliability of the unit system and strengthen the system running stability.
- 银焊接工艺确保产品可靠性。  
• Silver welding technology ensures the reliability of products.
- 清水铝箔换热翅片，防腐性能使机组更好的适用室外环境。  
• Bule fin can improve anti-corrosion performance, making the unit more suitable for the outdoor condition.
- 机组各部件优化设计，实现全套系统匹配。  
• Optimal system design to achieve full set of perfect matching system.

### 静音

#### Low Noise

- 内置压缩机消音棉，适用于对噪声等级有要求的环境。
- Built-in sound proof cotton around the compressor makes unit suitable for the environment with the requirements of noise level.

### 维护安装便捷

#### Easy Installation

- 紧凑的结构设计，优化外观，安装便利。
- Compact structure design with optimization of appearance provide convenient during installation.



### 特质

#### Quality

- 采用涡轮压缩机，大大的减少了能耗，降低运行费用。  
• Design with high quality, and efficient scroll compressor, greatly reducing the energy consumption and the running cost.
- 风冷冷凝器采用内螺纹管，提高热交换效率，并确保机组长期运行冷量不衰减。  
• Fine internal crimped tubes of the condenser unit improve heat exchange efficiency and ensure cooling capacity is sustained throughout its life-span.
- 小冷凝温差，有效降低冷凝温度，提高机组运行效率。  
• Small condensing temperature difference, effectively reducing the condensing temperature, improving the efficiency of the unit.



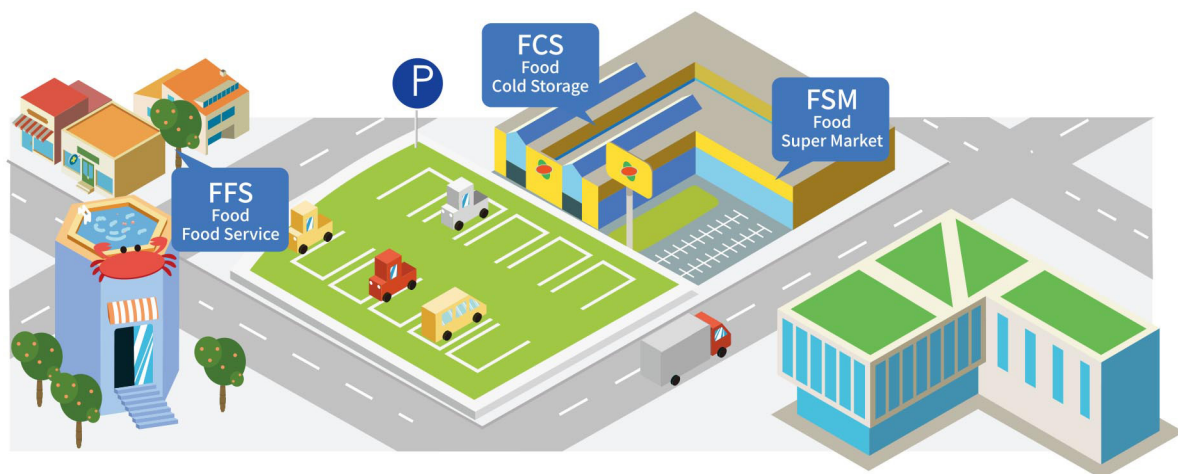
### 强力冷冻

#### Good Refrigeration Performance

- 优化冷凝器设计，低温系列在高温、负荷变化波动大的条件下运行更稳定。  
• Optimizing the design of condenser, the low temperature series under the high ambient temperatures, load fluctuation change condition can run more stable.
- 低温压缩机采用喷液或喷汽技术，有效提高机组能效。  
• The low temperature series come with spray and jet cooling technology, with able to improve the COP performance.



## 市场范围 Market Segments



• 餐饮 Food Service

• 超市 Super Market

• 冷冻冷藏 Cold Storage

## 命名规则 Nomenclature

精锐系列压缩冷凝机组  
SLIM POWER CDU

**B** <sup>(1)</sup> **D** <sup>(2)</sup> **X** <sup>(3)</sup> **020** <sup>(4)</sup> **M** <sup>(5)</sup> **Z2** <sup>(6)</sup> **Y** <sup>(7)</sup> **D** <sup>(8)</sup> **-XXX** <sup>(9)</sup>

(1) 公司名称

(2) D: 压缩冷凝机组

(3) 系列

(4) 2HP=020/10

(5) M: 中温

L: 低温

(6) Z2:压缩机代码

(7) Y: R404A

空白: R22

(8) D: 380V/3Ph/50Hz

J: 230V/3Ph/60Hz

(9) A: 油分组件

G: 汽分组件

T: 冷凝风扇控制

(1)Beijer Ref

(2)D:Condensing unit

(3)Series

(4)2HP=020/10

(5)M:Medium Temp

L:Low Temp

(6)Z2:Compressor code

(7)Y:R404A

Blank:R22

(8)D:380V/3Ph/50Hz

J:230V/3Ph/60Hz

(9)A:Oil separator

G:Suction accumulator

T:Condenser Fan Controlction

## 选项 Options

● 标配 Standard

○ Optional

× 不提供 N/A

| 选项<br>Options                   | 中温<br>Medium Temp | 低温X<br>Low Temp X | 低温N<br>Low Temp N |
|---------------------------------|-------------------|-------------------|-------------------|
| 油分<br>Oil separator             | ○                 | ●                 | ○                 |
| 汽分<br>Suction accumulator       | ×                 | ●                 | ○                 |
| 冷凝风扇控制<br>Condenser fan control | ○                 | ○                 | ○                 |



中温技术参数
 Medium Temp Technical Data

| 机组型号<br>CDU Model                         |                          | BD020MZ2(Y)D      | BD030MZ2(Y)D | BD040MZ2(Y)D | BD050MZ2(Y)D  | BD060MZ2(Y)D  | BD075MZ2(Y)D  |
|-------------------------------------------|--------------------------|-------------------|--------------|--------------|---------------|---------------|---------------|
| 电源<br>Power                               |                          | 380-420V/3Ph/50Hz |              |              |               |               |               |
| R22                                       | 制冷量 (kW)<br>Capacity(kW) | 3.88              | 5.51         | 7.34         | 9.29          | 11.00         | 12.25         |
|                                           | 功率 (kW)<br>Power(kW)     | 1.51              | 2.26         | 2.90         | 3.62          | 4.37          | 4.68          |
| R404A                                     | 制冷量 (kW)<br>Capacity(kW) | 4.01              | 5.75         | 7.65         | 9.94          | 11.35         | 12.65         |
|                                           | 功率 (kW)<br>Power(kW)     | 1.74              | 2.55         | 3.42         | 4.25          | 4.94          | 5.30          |
| 风扇数量<br>Fan Qty                           |                          | 1                 | 1            | 1            | 2             | 2             | 2             |
| 风扇直径 (mm)<br>Fan Diameter(mm)             |                          | 450               | 450          | 450          | 450           | 450           | 450           |
| 风扇转速 (rpm)<br>Fan Speed(rpm)              |                          | 880               | 880          | 880          | 880           | 880           | 880           |
| 风扇功率 (W)<br>Fan Power(W)                  |                          | 140               | 140          | 140          | 280           | 280           | 280           |
| 风量 (m³/h)<br>Air Flow(m³/h)               |                          | 3440              | 3460         | 3390         | 6730          | 6730          | 6400          |
| 净重 (kg)<br>Net Weight(kg)                 |                          | 77                | 79           | 105          | 115           | 120           | 124           |
| 机组堵转电流 (A)<br>LRA(A)                      |                          | 26                | 40           | 50           | 66            | 74            | 101           |
| 机组额定运行电流 (A)<br>RLA(A)                    |                          | 3.38/3.65         | 4.51/5.10    | 5.49/7.85    | 8.00/7.26     | 8.41/10.76    | 8.34/10.63    |
| 机组外形尺寸 (长x宽x高) mm<br>Dimension(L*W*H)(mm) |                          | 1032×425×845      | 1032×425×845 | 1032×425×845 | 1032×425×1245 | 1032×425×1245 | 1032×425×1245 |
| 机组噪音 (dBA) 声压级@1m<br>Noise(dBA)SPL@1m     |                          | 55                | 58           | 59           | 61            | 62            | 62            |
| 压缩机油充注量 (L)<br>Compressor oil(L)          |                          | 1.18              | 1.45         | 1.36         | 1.89          | 1.89          | 1.8           |
| 储液器容量 (L)<br>Liquid Recevier(L)           |                          | 3                 | 3            | 3            | 6             | 6             | 6             |
| 汽管直径 (Inch)<br>Suction Pipe(Inch)         |                          | 3/4"              | 3/4"         | 7/8"         | 7/8"          | 7/8"          | 7/8"          |
| 液管直径 (Inch)<br>Liquid Pipe(Inch)          |                          | 1/2"              | 1/2"         | 1/2"         | 1/2"          | 1/2"          | 1/2"          |

注：基于标准工况环境温度32℃，蒸发温度-7℃，回气温度18.3℃。  
 Note:Based on standard conditions of ambient temp 32℃,evaporating temp-7℃,suction temp18.3℃.

BDX低温技术参数

BDX Low Temp Technical Data

| 机组型号<br>CDU Model                         |                          | BDX020LZ2(Y)D-AG  | BDX030LZ2(Y)D-AG | BDX040LZ2(Y)D-AG | BDX050LZ2(Y)D-AG | BDX060LZ2(Y)D-AG | BDX075LZ2(Y)D-AG |
|-------------------------------------------|--------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|
| 电源<br>Power                               |                          | 380-420v/3Ph/50Hz |                  |                  |                  |                  |                  |
| R22                                       | 制冷量 (kW)<br>Capacity(kW) | 3.05              | 3.82             | 6.30             | 7.91             | 8.18             | 9.00             |
|                                           | 功率 (kW)<br>Power(kW)     | 2.04              | 2.46             | 3.33             | 4.96             | 4.82             | 4.91             |
| R404A                                     | 制冷量 (kW)<br>Capacity(kW) | 2.16              | 2.72             | 4.51             | 5.58             | 5.72             | 6.62             |
|                                           | 功率 (kW)<br>Power(kW)     | 1.89              | 2.28             | 3.03             | 4.27             | 4.18             | 4.33             |
| 风扇数量<br>Fan Qty                           |                          | 1                 | 1                | 1                | 2                | 2                | 2                |
| 风扇直径 (mm)<br>Fan Diameter(mm)             |                          | 450               | 450              | 450              | 450              | 450              | 450              |
| 风扇转速 (rpm)<br>Fan Speed(rpm)              |                          | 880               | 880              | 880              | 880              | 880              | 880              |
| 风扇功率 (W)<br>Fan Power(W)                  |                          | 140               | 140              | 140              | 280              | 280              | 280              |
| 风量 (m³/h)<br>Air Flow(m³/h)               |                          | 3450              | 3455             | 3390             | 6760             | 6400             | 6400             |
| 净重 (kg)<br>Net Weight(kg)                 |                          | 77                | 79               | 105              | 115              | 120              | 123              |
| 机组堵转电流 (A)<br>LRA(A)                      |                          | 40                | 46               | 64               | 102              | 102              | 74               |
| 机组额定运行电流 (A) 1<br>RLA(A)                  |                          | 4.96              | 6.09             | 6.67             | 9.7              | 9.53             | 9.25             |
| 机组额定运行电流 (A) 2<br>RLA(A)                  |                          | 4.86              | 5.92             | 6.28             | 8.86             | 8.75             | 8.62             |
| 机组外形尺寸 (长x宽x高) mm<br>Dimension(L*W*H)(mm) |                          | 1032×425×845      | 1032×425×845     | 1032×425×845     | 1032×425×1245    | 1032×425×1245    | 1032×425×1245    |
| 机组噪音 (dBA) 声压级@1m<br>Noise(dBA)SPL@1m     |                          | 60                | 60               | 62               | 62               | 62               | 62               |
| 压缩机油充注量 (L)<br>Compressor oil(L)          |                          | 1.45              | 1.45             | 1.89             | 1.89             | 1.89             | 1.89             |
| 储液器容量 (L)<br>Liquid Recevier(L)           |                          | 3                 | 3                | 3                | 6                | 6                | 6                |
| 汽管直径 (Inch)<br>Suction Pipe(Inch)         |                          | 3/4"              | 3/4"             | 3/4"             | 7/8"             | 7/8"             | 7/8"             |
| 液管直径 (Inch)<br>Liquid Pipe(Inch)          |                          | 1/2"              | 1/2"             | 1/2"             | 1/2"             | 1/2"             | 1/2"             |

注：1基于标准工况环境温度32℃，蒸发温度-23℃，回气温度5℃。  
Note:Based on standard conditions of ambient temp 32℃，evaporating temp-23℃，suction temp 5℃.  
2基于工况环境温度32℃，蒸发温度-32℃，回气温度5℃。  
Note:Based on conditions of ambient temp 32℃，evaporating temp-32℃，suction temp 5℃.



BDN低温技术参数  
 BDN Low Temp Technical Data

| 机组型号<br>CDU Model                         |                          | BDN020LZ2(Y)D     | BDN030LZ2(Y)D | BDN040LZ2(Y)D | BDN050LZ2(Y)D | BDN060LZ2(Y)D | BDN075LZ2(Y)D |
|-------------------------------------------|--------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|
| 电源<br>Power                               |                          | 380-420V/3Ph/50Hz |               |               |               |               |               |
| R22                                       | 制冷量 (kW)<br>Capacity(kW) | 1.93              | 2.52          | 3.35          | 4.81          | 5.67          | 6.39          |
|                                           | 功率 (kW)<br>Power(kW)     | 1.53              | 1.88          | 2.30          | 3.30          | 3.99          | 4.41          |
| R404A                                     | 制冷量 (kW)<br>Capacity(kW) | 2.04              | 2.91          | 3.55          | 4.99          | 6.00          | 6.93          |
|                                           | 功率 (kW)<br>Power(kW)     | 1.75              | 2.12          | 2.40          | 3.37          | 4.39          | 4.73          |
| 风扇数量<br>Fan Qty                           |                          | 1                 | 1             | 1             | 1             | 1             | 2             |
| 风扇直径 (mm)<br>Fan Diameter(mm)             |                          | 450               | 450           | 450           | 450           | 450           | 450           |
| 风扇转速 (rpm)<br>Fan Speed(rpm)              |                          | 880               | 880           | 880           | 880           | 880           | 880           |
| 风扇功率 (W)<br>Fan Power(W)                  |                          | 140               | 140           | 140           | 140           | 140           | 280           |
| 风量 (m³/h)<br>Air Flow(m³/h)               |                          | 3540              | 3450          | 3455          | 3390          | 3390          | 6760          |
| 净重 (kg)<br>Net Weight(kg)                 |                          | 71                | 74            | 79            | 95            | 103           | 115           |
| 机组堵转电流 (A)<br>LRA(A)                      |                          | 34.8              | 34.8          | 47.0          | 47.0          | 67.0          | 90.5          |
| 机组额定运行电流 (A)<br>RLA(A)                    |                          | 3.6/3.6           | 5.4/4.9       | 5.9/6.0       | 7.5/7.4       | 8.7/7.9       | 11.3/9.5      |
| 机组外形尺寸 (长x宽x高) mm<br>Dimension(L*W*H)(mm) |                          | 1032×425×845      | 1032×425×845  | 1032×425×845  | 1032×425×845  | 1032×425×845  | 1032×425×1245 |
| 机组噪音 (dBA) 声压级@1m<br>Noise(dBA)SPL@1m     |                          | 59                | 60            | 60            | 60            | 62            | 62            |
| 压缩机油充注量 (L)<br>Compressor oil(L)          |                          | 0.74              | 0.74          | 1.36          | 1.36          | 1.89          | 1.89          |
| 储液器容量 (L)<br>Liquid Recevier(L)           |                          | 3                 | 3             | 3             | 3             | 3             | 6             |
| 汽管直径 (Inch)<br>Suction Pipe(Inch)         |                          | 3/4"              | 3/4"          | 3/4"          | 3/4"          | 3/4"          | 7/8"          |
| 液管直径 (Inch)<br>Liquid Pipe(Inch)          |                          | 1/2"              | 1/2"          | 1/2"          | 1/2"          | 1/2"          | 1/2"          |

注：基于标准工况环境温度32℃，蒸发温度-25℃，回气温度18.3℃。  
 Note:Based on standard conditions of ambient temp 32℃, evaporating temp-25℃, suction temp 18.3℃.

中温性能参数  
Medium Temp performance Data

(R404A)

| 型号<br>Model | 环境温度 (°C)<br>Ambient Temp | 制冷量 (kW)<br>Capacity(kW)         |       |       |       |       | 输入功率 (kW)<br>Power (kW)          |      |      |      |      |
|-------------|---------------------------|----------------------------------|-------|-------|-------|-------|----------------------------------|------|------|------|------|
|             |                           | 蒸发温度(°C)<br>Evaporating Temp(°C) |       |       |       |       | 蒸发温度(°C)<br>Evaporating Temp(°C) |      |      |      |      |
|             |                           | -15                              | -10   | -5    | 0     | 5     | -15                              | -10  | -5   | 0    | 5    |
| BD020MZ2YD  | 27                        | 3.28                             | 3.94  | 4.66  | 5.46  | 6.32  | 1.54                             | 1.55 | 1.56 | 1.57 | 1.60 |
|             | 32                        | 3.00                             | 3.61  | 4.28  | 5.01  | 5.90  | 1.74                             | 1.74 | 1.74 | 1.75 | 1.78 |
|             | 38                        | 2.64                             | 3.19  | 3.79  | 4.45  | 5.14  | 2.04                             | 2.02 | 2.02 | 2.01 | 2.03 |
|             | 43                        | 2.31                             | 2.81  | 3.36  | 3.95  | 4.58  | 2.35                             | 2.32 | 2.29 | 2.27 | 2.27 |
| BD030MZ2YD  | 27                        | 4.75                             | 5.64  | 6.63  | 7.70  | 8.87  | 2.19                             | 2.25 | 2.32 | 2.39 | 2.46 |
|             | 32                        | 4.40                             | 5.22  | 6.12  | 7.11  | 8.17  | 2.45                             | 2.51 | 2.57 | 2.64 | 2.72 |
|             | 38                        | 3.94                             | 4.67  | 5.48  | 6.36  | 7.32  | 2.79                             | 2.86 | 2.92 | 2.99 | 3.06 |
|             | 43                        | 3.53                             | 4.19  | 4.92  | 5.72  | 6.58  | 3.13                             | 3.19 | 3.25 | 3.32 | 3.39 |
| BD040MZ2YD  | 27                        | 6.37                             | 7.54  | 8.83  | 10.20 | 11.75 | 2.92                             | 3.02 | 3.11 | 3.22 | 3.32 |
|             | 32                        | 5.88                             | 6.95  | 8.12  | 9.40  | 10.80 | 3.26                             | 3.36 | 3.46 | 3.57 | 3.68 |
|             | 38                        | 5.26                             | 6.20  | 7.25  | 8.40  | 9.62  | 3.73                             | 3.84 | 3.93 | 4.03 | 4.15 |
|             | 43                        | 4.70                             | 5.56  | 6.48  | 7.50  | 8.60  | 4.18                             | 4.28 | 4.39 | 4.49 | 4.60 |
| BD050MZ2YD  | 27                        | 8.19                             | 9.73  | 11.45 | 13.35 | 15.35 | 3.67                             | 3.77 | 3.86 | 3.97 | 4.09 |
|             | 32                        | 7.59                             | 9.02  | 10.60 | 12.30 | 14.20 | 4.09                             | 4.18 | 4.29 | 4.39 | 4.51 |
|             | 38                        | 6.81                             | 8.09  | 9.49  | 11.05 | 12.75 | 4.66                             | 4.76 | 4.87 | 4.98 | 5.08 |
|             | 43                        | 6.13                             | 7.29  | 8.54  | 9.93  | 11.45 | 5.20                             | 5.30 | 5.40 | 5.52 | 5.62 |
| BD060MZ2YD  | 27                        | 9.41                             | 11.15 | 13.05 | 15.15 | 17.35 | 4.24                             | 4.37 | 4.51 | 4.66 | 4.82 |
|             | 32                        | 8.69                             | 10.30 | 12.05 | 13.95 | 16.00 | 4.73                             | 4.86 | 5.00 | 5.15 | 5.30 |
|             | 38                        | 7.78                             | 9.21  | 10.75 | 14.00 | 16.10 | 5.80                             | 5.94 | 6.08 | 6.24 | 6.40 |
|             | 43                        | 6.98                             | 8.25  | 9.65  | 11.15 | 12.80 | 6.02                             | 6.16 | 6.30 | 6.44 | 6.59 |
| BD075MZ2YD  | 27                        | 10.50                            | 12.45 | 14.60 | 16.95 | 19.50 | 4.56                             | 4.69 | 4.83 | 4.97 | 5.13 |
|             | 32                        | 9.69                             | 11.50 | 13.45 | 15.56 | 18.00 | 5.09                             | 5.22 | 5.36 | 5.51 | 5.67 |
|             | 38                        | 8.70                             | 10.30 | 12.10 | 14.00 | 16.10 | 5.80                             | 5.94 | 6.08 | 6.24 | 6.40 |
|             | 43                        | 7.82                             | 9.25  | 10.85 | 12.55 | 14.45 | 6.48                             | 6.63 | 6.76 | 6.92 | 7.08 |

注：基于18.3°C回气温度。  
Note:Based on suction gas temp 18.3°C.



压缩冷凝机组-精锐系列 Slim Power CDU

中温性能参数  
Medium Temp Performance Data

(R22)

| 型号<br>Model | 环境温度 (°C)<br>Ambient Temp(°C) | 制冷量 (kW)<br>Capacity(kW)          |       |       |       |       | 输入功率 (kW)<br>Power(kW)            |      |      |      |      |
|-------------|-------------------------------|-----------------------------------|-------|-------|-------|-------|-----------------------------------|------|------|------|------|
|             |                               | 蒸发温度 (°C)<br>Evaporating Temp(°C) |       |       |       |       | 蒸发温度 (°C)<br>Evaporating Temp(°C) |      |      |      |      |
|             |                               | -10                               | -5    | 0     | 5     | 10    | -10                               | -5   | 0    | 5    | 10   |
| BD020MZ2D   | 27                            | 3.65                              | 5.21  | 6.12  | 6.12  | 7.13  | 1.34                              | 1.39 | 1.45 | 1.51 | 1.57 |
|             | 32                            | 3.46                              | 4.17  | 4.95  | 5.81  | 6.78  | 1.48                              | 1.53 | 1.59 | 1.66 | 1.72 |
|             | 38                            | 3.21                              | 3.89  | 4.61  | 5.43  | 6.34  | 1.67                              | 1.72 | 1.79 | 1.86 | 1.93 |
|             | 43                            | 3.01                              | 3.63  | 4.33  | 5.09  | 5.96  | 1.84                              | 1.91 | 1.98 | 2.05 | 2.13 |
| BD030MZ2D   | 27                            | 5.21                              | 6.25  | 7.39  | 8.64  | 10.05 | 2.00                              | 2.08 | 2.18 | 2.30 | 2.42 |
|             | 32                            | 4.93                              | 5.91  | 6.99  | 8.18  | 9.51  | 2.22                              | 2.30 | 2.41 | 2.53 | 2.65 |
|             | 38                            | 4.56                              | 5.50  | 6.51  | 7.61  | 8.87  | 2.50                              | 2.60 | 2.72 | 2.85 | 2.97 |
|             | 43                            | 4.27                              | 5.12  | 6.09  | 7.12  | 8.29  | 2.78                              | 2.89 | 3.01 | 3.15 | 3.28 |
| BD040MZ2D   | 27                            | 6.94                              | 8.31  | 9.80  | 11.45 | 13.25 | 2.55                              | 2.67 | 2.81 | 2.97 | 3.13 |
|             | 32                            | 6.56                              | 7.87  | 9.28  | 10.85 | 12.55 | 2.83                              | 2.95 | 3.10 | 3.27 | 3.44 |
|             | 38                            | 6.07                              | 7.32  | 8.61  | 10.05 | 11.70 | 3.20                              | 3.34 | 3.51 | 3.69 | 3.86 |
|             | 43                            | 5.67                              | 6.79  | 8.05  | 9.39  |       | 3.56                              | 3.71 | 3.89 | 4.08 |      |
| BD050MZ2D   | 27                            | 8.75                              | 10.50 | 12.45 | 14.55 | 16.95 | 3.22                              | 3.34 | 3.50 | 3.68 | 3.84 |
|             | 32                            | 8.29                              | 9.97  | 11.80 | 13.80 | 16.10 | 3.55                              | 3.68 | 3.86 | 4.04 | 4.21 |
|             | 38                            | 7.68                              | 9.29  | 11.00 | 12.90 | 15.00 | 4.01                              | 4.16 | 4.34 | 4.53 | 4.72 |
|             | 43                            | 7.19                              | 8.65  | 10.30 | 12.05 | 14.10 | 4.45                              | 4.60 | 4.79 | 5.00 | 5.19 |
| BD060MZ2D   | 27                            | 10.45                             | 12.45 | 14.65 | 17.10 | 19.80 | 3.83                              | 4.00 | 4.18 | 4.38 | 4.62 |
|             | 32                            | 9.89                              | 11.80 | 13.90 | 16.20 | 18.75 | 4.25                              | 4.43 | 4.62 | 4.83 | 5.07 |
|             | 38                            | 9.10                              | 11.00 | 12.95 | 15.10 | 17.50 | 4.82                              | 5.03 | 5.22 | 5.43 | 5.68 |
|             | 43                            | 8.42                              | 10.15 | 12.10 | 14.15 |       | 5.35                              | 5.57 | 5.78 | 6.01 |      |
| BD075MZ2D   | 27                            | 11.60                             | 13.85 | 16.35 | 19.10 | 22.10 | 4.10                              | 4.28 | 4.46 | 4.66 | 4.91 |
|             | 32                            | 11.00                             | 13.15 | 15.50 | 18.10 | 21.00 | 4.56                              | 4.75 | 4.94 | 5.14 | 5.40 |
|             | 38                            | 10.15                             | 12.25 | 14.45 | 16.90 | 19.60 | 5.19                              | 5.40 | 5.60 | 5.81 | 6.05 |
|             | 43                            | 9.39                              | 11.35 | 13.50 | 15.80 | 18.35 | 5.77                              | 5.98 | 6.20 | 6.43 | 6.68 |

注: 基于18.3°C回气温度。  
Note: Based on suction gas temp 18.3°C

注: 基于回气过热度11K。  
Note: Based on suction superheat 11K.

BDX低温性能参数  
BDX Low Temp Performance Data

(R404A)

| 型号<br>Model    | 环境温度 (°C)<br>Ambient Temp(°C) | 制冷量 (kW)<br>Capacity(kW)          |      |      |      |      | 输入功率 (kW)<br>Power (kW)           |      |      |      |      |
|----------------|-------------------------------|-----------------------------------|------|------|------|------|-----------------------------------|------|------|------|------|
|                |                               | 蒸发温度 (°C)<br>Evaporating Temp(°C) |      |      |      |      | 蒸发温度 (°C)<br>Evaporating Temp(°C) |      |      |      |      |
|                |                               | -40                               | -35  | -30  | -25  | -20  | -40                               | -35  | -30  | -25  | -20  |
| BDX020LZ2YD-AG | 27                            | 1.61                              | 2.03 | 2.50 | 3.04 | 3.66 | 1.65                              | 1.69 | 1.75 | 1.83 | 1.93 |
|                | 32                            | 1.51                              | 1.90 | 2.34 | 2.83 | 3.39 | 1.81                              | 1.84 | 1.90 | 1.98 | 2.08 |
|                | 38                            | 1.38                              | 1.74 | 2.13 | 2.57 | 3.06 | 2.03                              | 2.05 | 2.11 | 2.19 | 2.28 |
|                | 43                            | 1.27                              | 1.58 | 1.93 | 2.33 | 2.76 | 2.23                              | 2.27 | 2.32 | 2.38 | 2.47 |
| BDX030LZ2YD-AG | 27                            | 2.05                              | 2.56 | 3.14 | 3.80 | 4.55 | 2.00                              | 2.05 | 2.12 | 2.22 | 2.35 |
|                | 32                            | 1.92                              | 2.40 | 2.93 | 3.54 | 4.22 | 2.17                              | 2.22 | 2.30 | 2.39 | 2.52 |
|                | 38                            | 1.75                              | 2.19 | 2.66 | 3.20 | 3.80 | 2.40                              | 2.45 | 2.53 | 2.62 | 2.75 |
|                | 43                            | 1.59                              | 1.99 | 2.42 | 2.90 | 3.43 | 2.61                              | 2.66 | 2.73 | 2.84 | 2.96 |
| BDX040LZ2YD-AG | 27                            | 3.16                              | 3.92 | 4.77 | 5.73 | 6.81 | 2.35                              | 2.46 | 2.60 | 2.75 | 2.92 |
|                | 32                            | 3.06                              | 3.80 | 4.63 | 5.57 | 6.63 | 2.66                              | 2.78 | 2.92 | 3.08 | 3.27 |
|                | 38                            | 2.75                              | 3.42 | 4.18 | 5.03 | 6.01 | 3.14                              | 3.25 | 3.40 | 3.58 | 3.78 |
|                | 43                            | 2.56                              | 3.20 | 3.93 | 4.76 | 0.00 | 3.64                              | 3.75 | 3.90 | 4.08 |      |
| BDX050LZ2YD-AG | 27                            | 4.24                              | 5.28 | 6.53 | 7.94 | 9.49 | 3.40                              | 3.76 | 4.10 | 4.44 | 4.83 |
|                | 32                            | 3.98                              | 4.92 | 6.06 | 7.35 | 8.77 | 3.60                              | 4.01 | 4.38 | 4.77 | 5.18 |
|                | 38                            | 3.87                              | 4.50 | 5.49 | 6.64 | 7.89 | 3.84                              | 4.31 | 4.74 | 5.16 | 5.62 |
|                | 43                            | 3.65                              | 4.39 | 5.33 | 6.03 | 7.14 | 4.04                              | 4.56 | 5.04 | 5.52 | 6.02 |
| BDX060LZ2YD-AG | 27                            | 4.31                              | 5.39 | 6.69 | 8.16 | 9.79 | 3.35                              | 3.69 | 4.00 | 4.32 | 4.68 |
|                | 32                            | 4.05                              | 5.03 | 6.22 | 7.58 | 9.09 | 3.55                              | 3.93 | 4.28 | 4.64 | 5.02 |
|                | 38                            | 3.93                              | 4.60 | 5.65 | 6.87 | 8.20 | 3.79                              | 4.23 | 4.64 | 5.04 | 5.47 |
|                | 43                            | 3.70                              | 4.49 | 5.17 | 6.26 | 7.45 | 4.00                              | 4.49 | 4.95 | 5.39 | 5.85 |
| BDX075LZ2YD-AG | 27                            | 4.80                              | 5.84 | 7.02 | 8.37 | 9.90 | 3.36                              | 3.60 | 3.85 | 4.10 | 4.37 |
|                | 32                            | 4.78                              | 5.76 | 6.88 | 8.17 | 9.65 | 3.70                              | 3.97 | 4.25 | 4.53 | 4.83 |
|                | 38                            | 4.53                              | 5.38 | 6.37 | 7.52 | 8.84 | 4.19                              | 4.51 | 4.84 | 5.16 | 5.49 |
|                | 43                            | 4.53                              | 5.31 | 6.22 | 7.29 | 8.54 | 4.71                              | 5.07 | 5.43 | 5.80 | 6.18 |

注：基于5°C回气温度。  
Note: Based on suction temp 5°C.

注：基于0K回气过热度。  
Note: Based on suction superheat 0K.



BDN低温性能参数  
BDN Low Temp Performance Data

(R404A)

| 型号<br>Model | 环境温度 (°C)<br>Ambient Temp(°C) | 制冷量 (kW)<br>Capacity(kW)          |      |      |       |       | 输入功率 (kW)<br>Power (kW)           |      |      |      |      |
|-------------|-------------------------------|-----------------------------------|------|------|-------|-------|-----------------------------------|------|------|------|------|
|             |                               | 蒸发温度 (°C)<br>Evaporating Temp(°C) |      |      |       |       | 蒸发温度 (°C)<br>Evaporating Temp(°C) |      |      |      |      |
|             |                               | -30                               | -25  | -20  | -15   | -10   | -30                               | -25  | -20  | -15  | -10  |
| BDN020LZ2YD | 27                            | 1.80                              | 2.20 | 2.67 | 3.19  | 3.87  | 1.48                              | 1.60 | 1.70 | 1.78 | 1.85 |
|             | 32                            | 1.67                              | 2.04 | 2.48 | 2.94  | 3.58  | 1.64                              | 1.75 | 1.85 | 1.92 | 1.99 |
|             | 38                            | 1.49                              | 1.83 | 2.23 | 2.64  | 3.21  | 1.84                              | 1.93 | 2.02 | 2.08 | 2.14 |
|             | 43                            | 1.33                              | 1.65 | 2.01 | 2.37  | 2.90  | 1.99                              | 2.07 | 2.15 | 2.20 | 2.25 |
| BDN030LZ2YD | 27                            | 2.56                              | 3.14 | 3.79 | 4.51  | 5.30  | 1.79                              | 1.93 | 2.02 | 2.10 | 2.18 |
|             | 32                            | 2.36                              | 2.91 | 3.50 | 4.16  | 4.88  | 1.99                              | 2.12 | 2.22 | 2.30 | 2.38 |
|             | 38                            | 2.09                              | 2.58 | 3.11 | 3.70  | 4.34  | 2.27                              | 2.40 | 2.50 | 2.57 | 2.65 |
|             | 43                            | 1.82                              | 2.27 | 2.75 | 3.28  | 3.85  | 2.55                              | 2.67 | 2.76 | 2.82 | 2.89 |
| BDN040LZ2YD | 27                            | 3.02                              | 3.80 | 4.63 | 5.55  | 6.56  | 1.93                              | 2.14 | 2.28 | 2.39 | 2.49 |
|             | 32                            | 2.83                              | 3.55 | 4.33 | 5.16  | 6.10  | 2.19                              | 2.40 | 2.54 | 2.66 | 2.76 |
|             | 38                            | 2.59                              | 3.26 | 3.95 | 4.70  | 5.52  | 2.58                              | 2.79 | 2.93 | 3.03 | 3.13 |
|             | 43                            | 2.40                              | 3.01 | 3.63 | 4.29  | 5.04  | 2.99                              | 3.18 | 3.30 | 3.38 | 3.46 |
| BDN050LZ2YD | 27                            | 4.29                              | 5.35 | 6.46 | 7.67  | 8.99  | 2.83                              | 3.00 | 3.23 | 3.51 | 3.81 |
|             | 32                            | 3.99                              | 4.99 | 6.03 | 7.13  | 8.35  | 3.18                              | 3.37 | 3.62 | 3.90 | 4.18 |
|             | 38                            | 3.66                              | 4.59 | 5.52 | 6.51  | 7.57  | 3.61                              | 3.84 | 4.10 | 4.37 | 4.64 |
|             | 43                            | 3.42                              | 4.28 | 5.12 | 6.00  | 6.94  | 3.97                              | 4.23 | 4.50 | 4.78 | 5.02 |
| BDN060LZ2YD | 27                            | 5.34                              | 6.46 | 7.71 | 9.09  | 10.57 | 3.75                              | 3.99 | 4.30 | 4.63 | 4.97 |
|             | 32                            | 4.97                              | 6.00 | 7.14 | 8.39  | 9.74  | 4.15                              | 4.39 | 4.69 | 5.01 | 5.33 |
|             | 38                            | 4.49                              | 5.41 | 6.42 | 7.51  | 8.69  | 4.69                              | 4.91 | 5.19 | 5.49 | 5.78 |
|             | 43                            | 4.06                              |      |      | 6.75  | 7.78  | 5.17                              |      |      | 5.49 | 5.78 |
| BDN075LZ2YD | 27                            | 6.11                              | 7.41 | 8.92 | 10.61 | 12.46 | 4.06                              | 4.32 | 4.61 | 4.92 | 5.25 |
|             | 32                            | 5.72                              | 6.93 | 8.31 | 9.88  | 11.57 | 4.48                              | 4.73 | 5.02 | 5.31 | 5.64 |
|             | 38                            | 5.22                              | 6.31 | 7.55 | 8.94  | 10.46 | 5.03                              | 5.28 | 5.55 | 5.83 | 6.13 |
|             | 43                            | 4.76                              | 5.76 | 6.87 | 8.11  | 9.47  | 5.55                              | 5.78 | 6.03 | 6.29 | 6.56 |

注: 基于18.3°C回气温度。  
Note: Based on suction temp 18.3°C.

BDN低温性能参数

BDN Low Temp Performance Data

(R22)

| 型号<br>Model | 环境温度 (°C)<br>Ambient Temp(°C) | 制冷量 (kW)<br>Capacity(kW)          |      |      |      |       | 输入功率 (kW)<br>Power (kW)          |      |      |      |      |
|-------------|-------------------------------|-----------------------------------|------|------|------|-------|----------------------------------|------|------|------|------|
|             |                               | 蒸发温度 (°C)<br>Evaporating Temp(°C) |      |      |      |       | 蒸发温度(°C)<br>Evaporating Temp(°C) |      |      |      |      |
|             |                               | -30                               | -25  | -20  | -15  | -10   | -30                              | -25  | -20  | -15  | -10  |
| BDN020LZ2D  | 27                            | 1.65                              | 2.02 | 2.47 | 3.00 | 3.63  | 1.29                             | 1.37 | 1.45 | 1.51 | 1.56 |
|             | 32                            | 1.58                              | 1.93 | 2.35 | 2.86 | 3.45  | 1.43                             | 1.53 | 1.61 | 1.69 | 1.74 |
|             | 38                            | 1.48                              | 1.80 | 2.20 | 2.67 | 3.24  | 1.61                             | 1.73 | 1.83 | 1.92 | 1.97 |
|             | 43                            | 1.37                              | 1.68 | 2.06 | 2.51 | 3.06  | 1.77                             | 1.90 | 2.02 | 2.13 | 2.18 |
| BDN030LZ2D  | 27                            | 2.09                              | 2.65 | 3.28 | 4.02 | 4.84  | 1.64                             | 1.69 | 1.76 | 1.84 | 1.93 |
|             | 32                            | 1.99                              | 2.52 | 3.12 | 3.82 | 4.59  | 1.82                             | 1.88 | 1.96 | 2.04 | 2.14 |
|             | 38                            | 1.87                              | 2.37 | 2.92 | 3.56 | 4.28  | 2.07                             | 2.13 | 2.22 | 2.32 | 2.43 |
|             | 43                            | 1.76                              | 2.24 | 2.75 | 3.34 | 4.00  | 2.31                             | 2.36 | 2.47 | 2.58 | 2.71 |
| BDN040LZ2D  | 27                            | 2.90                              | 3.53 | 4.26 | 5.13 | 6.12  | 2.00                             | 2.09 | 2.19 | 2.30 | 2.43 |
|             | 32                            | 2.75                              | 3.35 | 4.04 | 4.86 | 5.81  | 2.20                             | 2.30 | 2.42 | 2.53 | 2.65 |
|             | 38                            | 2.56                              | 3.12 | 3.77 | 4.54 | 5.43  | 2.47                             | 2.59 | 2.70 | 2.82 | 2.93 |
|             | 43                            | 2.39                              | 2.92 | 3.54 | 4.26 | 5.10  | 2.72                             | 2.84 | 2.95 | 3.06 | 3.17 |
| BDN050LZ2D  | 27                            | 4.16                              | 5.06 | 6.12 | 7.33 | 8.70  | 2.67                             | 2.84 | 3.02 | 3.23 | 3.46 |
|             | 32                            | 3.96                              | 4.81 | 5.80 | 6.92 | 8.20  | 2.97                             | 3.15 | 3.34 | 3.56 | 3.79 |
|             | 38                            | 3.69                              | 4.47 | 5.37 | 6.39 | 7.55  | 3.40                             | 3.57 | 3.77 | 3.99 | 4.22 |
|             | 43                            | 3.44                              | 4.16 | 4.98 | 5.91 | 6.97  | 3.80                             | 3.96 | 4.16 | 4.37 | 4.58 |
| BDN060LZ2D  | 27                            | 4.94                              | 5.95 | 7.18 | 8.61 | 10.21 | 3.35                             | 3.52 | 3.73 | 3.95 | 4.24 |
|             | 32                            | 4.70                              | 5.67 | 6.81 | 8.14 | 9.63  | 3.78                             | 3.99 | 4.26 | 4.54 | 4.89 |
|             | 38                            | 4.36                              | 5.24 | 6.31 | 7.52 | 8.91  | 4.44                             | 4.74 | 5.06 | 5.39 | 5.79 |
|             | 43                            | 4.04                              |      |      | 6.96 |       | 5.10                             |      |      | 6.25 |      |
| BDN075LZ2D  | 27                            | 5.58                              | 6.67 | 8.08 | 9.75 | 11.67 | 3.84                             | 3.97 | 4.17 | 4.43 | 4.71 |
|             | 32                            | 5.34                              | 6.39 | 7.73 | 9.33 | 11.15 | 4.25                             | 4.41 | 4.62 | 4.89 | 5.19 |
|             | 38                            | 5.00                              | 6.02 | 7.30 | 8.81 | 10.53 | 4.80                             | 4.98 | 5.22 | 5.51 | 5.82 |
|             | 43                            | 4.67                              | 5.67 | 6.92 | 8.38 | 10.03 | 5.31                             | 5.50 | 5.77 | 6.07 | 6.40 |

注: 基于18.3℃回气温度的制冷量。  
Note:Based on suction temp 18.3℃.

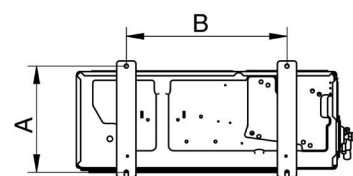
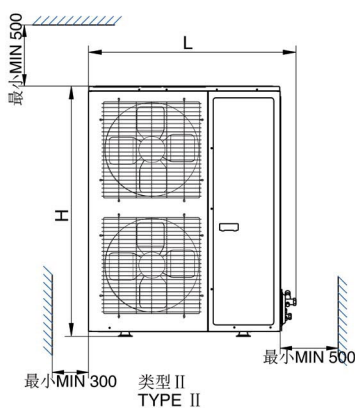
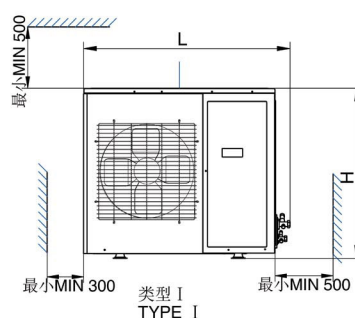
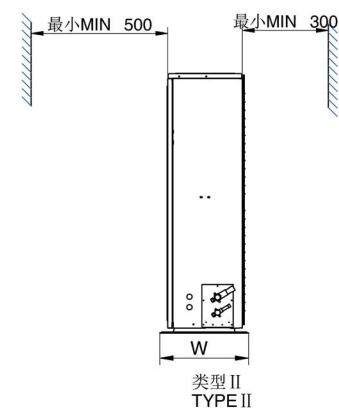
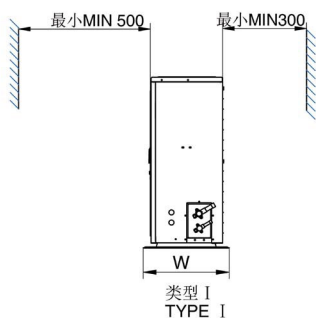
## 尺寸参数

### Temp Dimensions

| 型号 Model         | 类型 Type | A (mm) | B (mm) | LxWxH (mm)    |
|------------------|---------|--------|--------|---------------|
| BD020MZ2(Y)D     | I       | 388    | 585    | 1032×425×845  |
| BD030MZ2(Y)D     | I       | 388    | 585    | 1032×425×845  |
| BD040MZ2(Y)D     | I       | 388    | 585    | 1032×425×845  |
| BD050MZ2(Y)D     | II      | 388    | 585    | 1032×425×1245 |
| BD060MZ2(Y)D     | II      | 388    | 585    | 1032×425×1245 |
| BD075MZ2(Y)D     | II      | 388    | 585    | 1032×425×1245 |
| BDX020LZ2(Y)D-AG | I       | 388    | 585    | 1032×425×845  |
| BDX030LZ2(Y)D-AG | I       | 388    | 585    | 1032×425×845  |
| BDX040LZ2(Y)D-AG | I       | 388    | 585    | 1032×425×845  |
| BDX050LZ2(Y)D-AG | II      | 388    | 585    | 1032×425×1245 |
| BDX060LZ2(Y)D-AG | II      | 388    | 585    | 1032×425×1245 |
| BDX075LZ2(Y)D-AG | II      | 388    | 585    | 1032×425×1245 |
| BDN020LZ2(Y)D    | I       | 388    | 585    | 1032×425×845  |
| BDN030LZ2(Y)D    | I       | 388    | 585    | 1032×425×845  |
| BDN040LZ2(Y)D    | I       | 388    | 585    | 1032×425×845  |
| BDN050LZ2(Y)D    | I       | 388    | 585    | 1032×425×845  |
| BDN060LZ2(Y)D    | I       | 388    | 585    | 1032×425×845  |
| BDN075LZ2(Y)D    | II      | 388    | 585    | 1032×425×1245 |

## 尺寸图

### Dimensions





# 百尔制冷

**BEIJER REF**  
China

## 直流变频冷凝机组

DC Inverter Condensing Unit

## 产品样册

PRODUCT CATALOGUE



| 型号<br>Model | 参数<br>Parameter | 环境温度℃<br>Ambient Temp | 蒸发温度℃<br>Evaporating Temp |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型<br>Type | L    | W   | H   | A   | B   | 重量<br>Weight |
|-------------|-----------------|-----------------------|---------------------------|------|------|------|------|------|------------------------|---------------------|------------|------|-----|-----|-----|-----|--------------|
|             |                 |                       | -15                       | -10  | -7   | -5   | 0    | 5    | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            | mm   | mm  | mm  | mm  | mm  | kg           |
| BDI020MR1YC | 制冷量<br>(kW)     | 32                    | 3.28                      | 3.92 | 4.36 | 4.64 | 5.44 | 6.24 | 1/2"                   | 5/8"                | I          | 1032 | 425 | 845 | 388 | 585 | 77           |
|             |                 | 38                    | 3.05                      | 3.64 | 4.01 | 4.29 | 5.06 | 5.91 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 43                    | 2.84                      | 3.46 | 3.84 | 4.11 | 4.78 | 5.30 |                        |                     |            |      |     |     |     |     |              |
|             | 功率<br>(kW)      | 32                    | 1.57                      | 1.72 | 1.78 | 1.85 | 2.00 | 2.18 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 38                    | 1.69                      | 1.84 | 1.92 | 1.98 | 2.17 | 2.38 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 43                    | 1.80                      | 1.95 | 2.04 | 2.12 | 2.30 | 2.46 |                        |                     |            |      |     |     |     |     |              |

| 型号<br>Model | 参数<br>Parameter | 环境温度℃<br>Ambient Temp | 蒸发温度℃<br>Evaporating Temp |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型<br>Type | L<br>mm | W<br>mm | H<br>mm | A<br>mm | B<br>mm | 重量<br>Weight<br>kg |
|-------------|-----------------|-----------------------|---------------------------|------|------|------|------|------|------------------------|---------------------|------------|---------|---------|---------|---------|---------|--------------------|
|             |                 |                       | -15                       | -10  | -7   | -5   | 0    | 5    | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            |         |         |         |         |         |                    |
| BDI030MR1YC | 制冷量<br>(kW)     | 32                    | 4.60                      | 5.49 | 6.10 | 6.50 | 7.61 | 8.73 | 1/2"                   | 5/8"                | I          | 1032    | 425     | 845     | 388     | 585     | 77                 |
|             |                 | 38                    | 4.26                      | 5.09 | 5.61 | 6.01 | 7.08 | 8.27 |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 43                    | 3.97                      | 4.85 | 5.37 | 5.75 | 6.68 | 7.41 |                        |                     |            |         |         |         |         |         |                    |
|             | 功率<br>(kW)      | 32                    | 2.38                      | 2.61 | 2.70 | 2.79 | 3.03 | 3.31 |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 38                    | 2.56                      | 2.78 | 2.90 | 2.99 | 3.28 | 3.61 |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 43                    | 2.73                      | 2.95 | 3.09 | 3.21 | 3.48 | 3.73 |                        |                     |            |         |         |         |         |         |                    |

| 型号<br>Model | 参数<br>Parameter | 环境温度℃<br>Ambient Temp | 蒸发温度℃<br>Evaporating Temp |      |      |      |       |       | 连接管<br>Connection Tube |                     | 类型<br>Type | L<br>mm | W<br>mm | H<br>mm | A<br>mm | B<br>mm | 重量<br>Weight<br>kg |
|-------------|-----------------|-----------------------|---------------------------|------|------|------|-------|-------|------------------------|---------------------|------------|---------|---------|---------|---------|---------|--------------------|
|             |                 |                       | -15                       | -10  | -7   | -5   | 0     | 5     | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            |         |         |         |         |         |                    |
| BDI040MR1YC | 制冷量<br>(kW)     | 32                    | 6.28                      | 7.47 | 8.29 | 8.81 | 10.02 | 11.67 | 1/2"                   | 3/4"                | II         | 1032    | 425     | 1245    | 388     | 585     | 115                |
|             |                 | 38                    | 5.83                      | 6.93 | 7.71 | 8.17 | 9.33  | 10.71 |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 43                    | 5.35                      | 6.49 | 7.06 | 7.57 | 8.64  | 9.95  |                        |                     |            |         |         |         |         |         |                    |
|             | 功率<br>(kW)      | 32                    | 3.18                      | 3.46 | 3.64 | 3.75 | 4.03  | 4.34  |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 38                    | 3.40                      | 3.70 | 3.89 | 4.04 | 4.31  | 4.69  |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 43                    | 3.59                      | 3.92 | 4.10 | 4.25 | 4.58  | 5.00  |                        |                     |            |         |         |         |         |         |                    |

| 型号<br>Model | 参数<br>Parameter | 环境温度℃<br>Ambient Temp | 蒸发温度℃<br>Evaporating Temp |      |      |      |       |       | 连接管<br>Connection Tube |                     | 类型<br>Type | L    | W   | H    | A   | B   | 重量<br>Weight |
|-------------|-----------------|-----------------------|---------------------------|------|------|------|-------|-------|------------------------|---------------------|------------|------|-----|------|-----|-----|--------------|
|             |                 |                       | -15                       | -10  | -7   | -5   | 0     | 5     | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            | mm   | mm  | mm   | mm  | mm  | kg           |
| BDI050MR1YC | 制冷量<br>(kW)     | 32                    | 6.98                      | 8.30 | 9.21 | 9.79 | 11.13 | 12.96 | 1/2"                   | 3/4"                | II         | 1032 | 425 | 1245 | 388 | 585 | 115          |
|             |                 | 38                    | 6.48                      | 7.70 | 8.57 | 9.08 | 10.36 | 11.90 |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                    | 5.94                      | 7.21 | 7.84 | 8.41 | 9.60  | 11.06 |                        |                     |            |      |     |      |     |     |              |
|             | 功率<br>(kW)      | 32                    | 3.65                      | 3.97 | 4.18 | 4.30 | 4.63  | 4.99  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 38                    | 3.91                      | 4.25 | 4.47 | 4.65 | 4.95  | 5.39  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                    | 4.12                      | 4.51 | 4.71 | 4.89 | 5.27  | 5.74  |                        |                     |            |      |     |      |     |     |              |

| 型号<br>Model | 参数<br>Parameter | 环境温度°C<br>Ambient Temp | 蒸发温度 °C<br>Evaporating Temp |      |       |       |       |       | 连接管<br>Connection Tube |                     | 类型<br>Type | L    | W   | H    | A   | B   | 重量<br>Weight |
|-------------|-----------------|------------------------|-----------------------------|------|-------|-------|-------|-------|------------------------|---------------------|------------|------|-----|------|-----|-----|--------------|
|             |                 |                        | -15                         | -10  | -7    | -5    | 0     | 5     | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            | mm   | mm  | mm   | mm  | mm  | kg           |
| BDI060MR1YC | 制冷量<br>(kW)     | 32                     | 7.44                        | 8.96 | 10.02 | 10.77 | 12.68 | 14.88 | 1/2"                   | 7/8"                | II         | 1032 | 425 | 1245 | 388 | 585 | 116          |
|             |                 | 38                     | 6.82                        | 8.22 | 9.21  | 9.86  | 11.68 | 13.67 |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                     | 6.32                        | 7.61 | 8.47  | 9.11  | 10.81 | 12.67 |                        |                     |            |      |     |      |     |     |              |
|             | 功率<br>(kW)      | 32                     | 4.15                        | 4.45 | 4.56  | 4.79  | 5.12  | 5.62  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 38                     | 4.56                        | 4.98 | 5.22  | 5.43  | 5.74  | 6.15  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                     | 4.79                        | 5.26 | 5.48  | 5.70  | 6.06  | 6.52  |                        |                     |            |      |     |      |     |     |              |

| 型号<br>Model | 参数<br>Parameter | 环境温度°C<br>Ambient Temp | 蒸发温度 °C<br>Evaporating Temp |       |       |       |       |       | 连接管<br>Connection Tube |                     | 类型<br>Type | L    | W   | H    | A   | B   | 重量<br>Weight |
|-------------|-----------------|------------------------|-----------------------------|-------|-------|-------|-------|-------|------------------------|---------------------|------------|------|-----|------|-----|-----|--------------|
|             |                 |                        | -15                         | -10   | -7    | -5    | 0     | 5     | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            | mm   | mm  | mm   | mm  | mm  | kg           |
| BDI100MR1YD | 制冷量<br>(kW)     | 32                     | 10.72                       | 12.41 | 13.84 | 14.78 | 17.15 | 19.18 | 5/8"                   | 1-1/8"              | II         | 1160 | 490 | 1570 | 440 | 640 | 165          |
|             |                 | 38                     | 9.85                        | 11.61 | 12.80 | 13.76 | 16.18 | 18.23 |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                     | 9.01                        | 11.18 | 11.98 | 12.96 | 15.44 | 17.44 |                        |                     |            |      |     |      |     |     |              |
|             | 功率<br>(kW)      | 32                     | 5.28                        | 5.30  | 5.44  | 5.50  | 5.54  | 5.66  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 38                     | 5.93                        | 6.01  | 6.03  | 6.08  | 6.16  | 6.28  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                     | 6.03                        | 6.51  | 6.56  | 6.58  | 6.77  | 6.91  |                        |                     |            |      |     |      |     |     |              |

| 型号<br>Model | 参数<br>Parameter | 环境温度°C<br>Ambient Temp | 蒸发温度 °C<br>Evaporating Temp |       |       |       |       |       | 连接管<br>Connection Tube |                     | 类型<br>Type | L    | W   | H    | A   | B   | 重量<br>Weight |
|-------------|-----------------|------------------------|-----------------------------|-------|-------|-------|-------|-------|------------------------|---------------------|------------|------|-----|------|-----|-----|--------------|
|             |                 |                        | -15                         | -10   | -7    | -5    | 0     | 5     | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            | mm   | mm  | mm   | mm  | mm  | kg           |
| BDI120MR1YD | 制冷量<br>(kW)     | 32                     | 12.85                       | 14.88 | 16.81 | 17.73 | 20.56 | 22.99 | 5/8"                   | 1-1/8"              | II         | 1160 | 490 | 1570 | 440 | 640 | 165          |
|             |                 | 38                     | 11.82                       | 13.92 | 15.34 | 16.50 | 19.40 | 21.86 |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                     | 10.80                       | 13.41 | 14.37 | 15.54 | 18.51 | 20.92 |                        |                     |            |      |     |      |     |     |              |
|             | 功率<br>(kW)      | 32                     | 7.51                        | 7.55  | 7.65  | 7.83  | 7.89  | 8.05  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 38                     | 8.44                        | 8.55  | 8.59  | 8.65  | 8.77  | 8.94  |                        |                     |            |      |     |      |     |     |              |
|             |                 | 43                     | 8.59                        | 9.27  | 9.34  | 9.37  | 9.64  | 9.83  |                        |                     |            |      |     |      |     |     |              |

- 注释：
- 6HP以下(含6HP)的型号, 电制为220V/1Ph/50Hz;6HP以上型号, 电制为380V/3Ph/50Hz。
  - 制冷剂R404A。
  - 制冷量和功率为变频CDU最大制冷量和最大输入功率。
  - 低温机型基于回气温度5°C, 中温机型基于回气温度18°C。

- Comment:
- For models below 6HP (including 6HP), the electrical system is 220V/1Ph/50Hz; For models above 6HP, the electrical system is 380V/3Ph/50Hz.
  - Refrigerant R404A.
  - The cooling capacity and power are the maximum cooling capacity and maximum input power of the variable frequency CDU.
  - Low temperature models are based on a return air temperature of 5 °C, while medium temperature models are based on a return air temperature of 18 °C.



| 型号<br>Model | 参数<br>Parameter | 环境温度°C<br>Ambient Temp | 蒸发温度°C<br>Evaporating Temp |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型<br>Type | L    | W   | H   | A   | B   | 重量<br>Weight |
|-------------|-----------------|------------------------|----------------------------|------|------|------|------|------|------------------------|---------------------|------------|------|-----|-----|-----|-----|--------------|
|             |                 |                        | -40                        | -35  | -30  | -25  | -23  | -20  | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            | mm   | mm  | mm  | mm  | mm  | kg           |
| BDI020LR2YC | 制冷量<br>(kW)     | 32                     | 1.87                       | 2.35 | 2.88 | 3.55 | 3.90 | 4.31 | 1/2"                   | 5/8"                | I          | 1032 | 425 | 845 | 388 | 585 | 81           |
|             |                 | 38                     | 1.72                       | 2.26 | 2.67 | 3.35 | 3.71 | 4.15 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 43                     | 1.64                       | 2.08 | 2.59 | 3.29 | 3.49 | 3.73 |                        |                     |            |      |     |     |     |     |              |
|             | 功率<br>(kW)      | 32                     | 2.17                       | 2.31 | 2.36 | 2.44 | 2.62 | 2.70 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 38                     | 2.34                       | 2.40 | 2.55 | 2.66 | 2.82 | 2.99 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 43                     | 2.60                       | 2.70 | 2.86 | 2.99 | 3.15 | 3.24 |                        |                     |            |      |     |     |     |     |              |

| 型号<br>Model | 参数<br>Parameter | 环境温度℃<br>Ambient Temp | 蒸发温度℃<br>Evaporating Temp |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型<br>Type | L<br>mm | W<br>mm | H<br>mm | A<br>mm | B<br>mm | 重量<br>Weight<br>kg |
|-------------|-----------------|-----------------------|---------------------------|------|------|------|------|------|------------------------|---------------------|------------|---------|---------|---------|---------|---------|--------------------|
|             |                 |                       | -40                       | -35  | -30  | -25  | -23  | -20  | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            |         |         |         |         |         |                    |
| BDI030LR2YC | 制冷量<br>(kW)     | 32                    | 2.43                      | 3.04 | 3.72 | 4.56 | 4.87 | 5.47 | 1/2"                   | 3/4"                | I          | 1032    | 425     | 845     | 388     | 585     | 83                 |
|             |                 | 38                    | 2.24                      | 2.92 | 3.48 | 4.33 | 4.65 | 5.10 |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 43                    | 2.09                      | 2.64 | 3.24 | 4.11 | 4.30 | 4.76 |                        |                     |            |         |         |         |         |         |                    |
|             | 功率<br>(kW)      | 32                    | 2.78                      | 2.95 | 3.06 | 3.16 | 3.35 | 3.41 |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 38                    | 2.99                      | 3.06 | 3.28 | 3.46 | 3.56 | 3.74 |                        |                     |            |         |         |         |         |         |                    |
|             |                 | 43                    | 3.28                      | 3.46 | 3.66 | 3.82 | 3.99 | 4.18 |                        |                     |            |         |         |         |         |         |                    |

| 型号<br>Model | 参数<br>Parameter | 环境温度℃<br>Ambient Temp | 蒸发温度℃<br>Evaporating Temp |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型<br>Type | L    | W   | H   | A   | B   | 重量<br>Weight |
|-------------|-----------------|-----------------------|---------------------------|------|------|------|------|------|------------------------|---------------------|------------|------|-----|-----|-----|-----|--------------|
|             |                 |                       | -40                       | -35  | -30  | -25  | -23  | -20  | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |            | mm   | mm  | mm  | mm  | mm  | kg           |
| BDI040LR2YC | 制冷量<br>(kW)     | 32                    | 2.85                      | 3.55 | 4.35 | 5.34 | 5.70 | 6.40 | 1/2"                   | 3/4"                | I          | 1032 | 425 | 845 | 388 | 585 | 83           |
|             |                 | 38                    | 2.62                      | 3.42 | 4.07 | 5.06 | 5.43 | 5.97 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 43                    | 2.45                      | 3.09 | 3.79 | 4.81 | 5.02 | 5.56 |                        |                     |            |      |     |     |     |     |              |
|             | 功率<br>(kW)      | 32                    | 3.32                      | 3.52 | 3.66 | 3.76 | 4.00 | 4.07 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 38                    | 3.58                      | 3.66 | 3.92 | 4.13 | 4.26 | 4.47 |                        |                     |            |      |     |     |     |     |              |
|             |                 | 43                    | 3.92                      | 4.13 | 4.36 | 4.56 | 4.76 | 4.99 |                        |                     |            |      |     |     |     |     |              |

| 型号<br>Model | 参数          | 环境温度℃ | 蒸发温度℃ |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型 | L    | W   | H   | A   | B   | 重量<br>Weight |
|-------------|-------------|-------|-------|------|------|------|------|------|------------------------|---------------------|----|------|-----|-----|-----|-----|--------------|
|             |             |       | -40   | -35  | -30  | -25  | -23  | -20  | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |    | mm   | mm  | mm  | mm  | mm  | kg           |
| BDI050LR2YC | 制冷量<br>(kW) | 32    | 3.22  | 4.03 | 4.89 | 5.92 | 6.32 | 6.97 | 1/2"                   | 7/8"                | I  | 1032 | 425 | 845 | 388 | 585 | 84           |
|             |             | 38    | 3.20  | 3.83 | 4.60 | 5.54 | 5.93 | 6.52 |                        |                     |    |      |     |     |     |     |              |
|             |             | 43    | 2.91  | 3.61 | 4.32 | 5.24 | 5.54 | 6.25 |                        |                     |    |      |     |     |     |     |              |
|             | 功率<br>(kW)  | 32    | 3.45  | 3.68 | 3.99 | 4.31 | 4.47 | 4.72 |                        |                     |    |      |     |     |     |     |              |
|             |             | 38    | 3.93  | 4.23 | 4.46 | 4.83 | 4.97 | 5.20 |                        |                     |    |      |     |     |     |     |              |
|             |             | 43    | 4.15  | 4.46 | 4.91 | 5.32 | 5.55 | 5.82 |                        |                     |    |      |     |     |     |     |              |

| 型号<br>Model | 参数          | 环境温度℃ | 蒸发温度℃ |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型 | L    | W   | H    | A   | B   | 重量<br>Weight |
|-------------|-------------|-------|-------|------|------|------|------|------|------------------------|---------------------|----|------|-----|------|-----|-----|--------------|
|             |             |       | -40   | -35  | -30  | -25  | -23  | -20  | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |    | mm   | mm  | mm   | mm  | mm  | kg           |
| BDI060LR2YC | 制冷量<br>(kW) | 32    | 3.49  | 4.37 | 5.31 | 6.42 | 6.86 | 7.55 | 1/2"                   | 7/8"                | II | 1032 | 425 | 1245 | 388 | 585 | 116          |
|             |             | 38    | 3.47  | 4.16 | 4.99 | 6.01 | 6.43 | 7.07 |                        |                     |    |      |     |      |     |     |              |
|             |             | 43    | 3.16  | 3.92 | 4.69 | 5.68 | 6.01 | 6.77 |                        |                     |    |      |     |      |     |     |              |
|             | 功率<br>(kW)  | 32    | 3.77  | 4.03 | 4.36 | 4.72 | 4.89 | 5.16 |                        |                     |    |      |     |      |     |     |              |
|             |             | 38    | 4.30  | 4.62 | 4.87 | 5.28 | 5.43 | 5.69 |                        |                     |    |      |     |      |     |     |              |
|             |             | 43    | 4.54  | 4.88 | 5.37 | 5.82 | 6.07 | 6.36 |                        |                     |    |      |     |      |     |     |              |

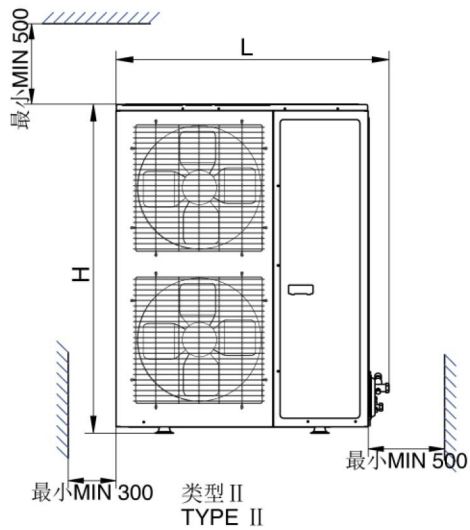
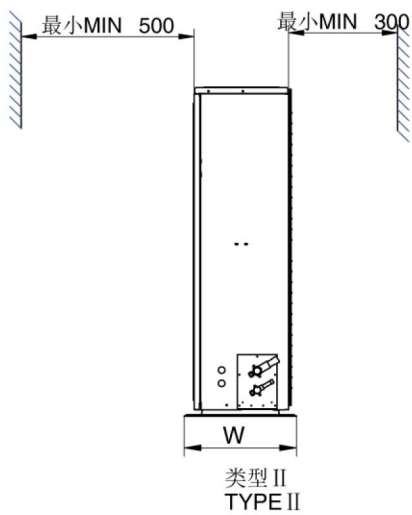
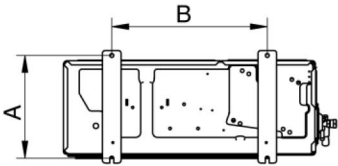
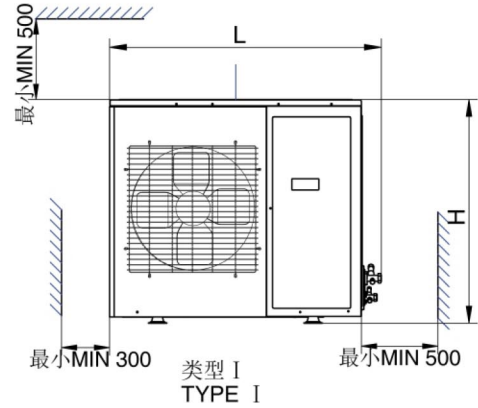
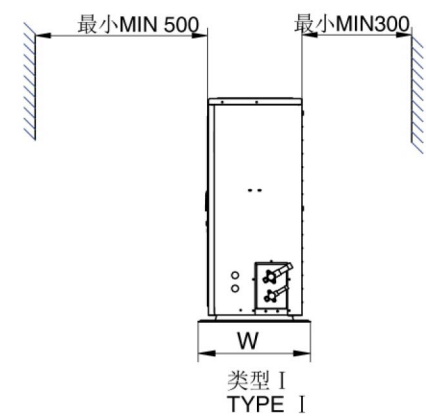
| 型号<br>Model | 参数          | 环境温度℃ | 蒸发温度℃ |      |      |      |      |      | 连接管<br>Connection Tube |                     | 类型 | L    | W   | H    | A   | B   | 重量<br>Weight |
|-------------|-------------|-------|-------|------|------|------|------|------|------------------------|---------------------|----|------|-----|------|-----|-----|--------------|
|             |             |       | -40   | -35  | -30  | -25  | -23  | -20  | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |    | mm   | mm  | mm   | mm  | mm  | kg           |
| BDI080LR2YD | 制冷量<br>(kW) | 32    | 4.29  | 5.61 | 6.98 | 8.43 | 8.98 | 9.98 | 5/8"                   | 1-1/8"              | II | 1160 | 490 | 1570 | 440 | 640 | 170          |
|             |             | 38    | 4.13  | 5.36 | 6.50 | 7.81 | 8.44 | 9.54 |                        |                     |    |      |     |      |     |     |              |
|             |             | 43    | 4.01  | 5.08 | 6.15 | 7.46 | 8.12 | 9.07 |                        |                     |    |      |     |      |     |     |              |
|             | 功率<br>(kW)  | 32    | 4.40  | 4.87 | 5.10 | 5.32 | 5.43 | 5.52 |                        |                     |    |      |     |      |     |     |              |
|             |             | 38    | 4.97  | 5.36 | 5.58 | 5.94 | 5.99 | 6.16 |                        |                     |    |      |     |      |     |     |              |
|             |             | 43    | 5.53  | 5.68 | 6.00 | 6.39 | 6.46 | 6.61 |                        |                     |    |      |     |      |     |     |              |

| 型号<br>Model | 参数          | 环境温度℃ | 蒸发温度℃ |      |      |       |       |       | 连接管<br>Connection Tube |                     | 类型 | L    | W   | H    | A   | B   | 重量<br>Weight |
|-------------|-------------|-------|-------|------|------|-------|-------|-------|------------------------|---------------------|----|------|-----|------|-----|-----|--------------|
|             |             |       | -40   | -35  | -30  | -25   | -23   | -20   | 供液管<br>Liquid Line     | 吸气管<br>Suction Line |    | mm   | mm  | mm   | mm  | mm  | kg           |
| BDI100LR2YD | 制冷量<br>(kW) | 32    | 5.14  | 6.72 | 8.37 | 10.10 | 10.77 | 11.97 | 5/8"                   | 1-1/8"              | II | 1160 | 490 | 1570 | 440 | 640 | 165          |
|             |             | 38    | 4.95  | 6.43 | 7.79 | 9.36  | 10.12 | 11.44 |                        |                     |    |      |     |      |     |     |              |
|             |             | 43    | 4.81  | 6.09 | 7.37 | 8.94  | 9.74  | 10.87 |                        |                     |    |      |     |      |     |     |              |
|             | 功率<br>(kW)  | 32    | 6.26  | 6.93 | 7.26 | 7.57  | 7.72  | 7.86  |                        |                     |    |      |     |      |     |     |              |
|             |             | 38    | 7.07  | 7.63 | 7.94 | 8.45  | 8.52  | 8.77  |                        |                     |    |      |     |      |     |     |              |
|             |             | 43    | 7.87  | 8.08 | 8.54 | 9.10  | 9.19  | 9.40  |                        |                     |    |      |     |      |     |     |              |

- 注释：
- 6HP以下(含6HP)的型号, 电制为220V/1Ph/50Hz;6HP以上型号, 电制为380V/3Ph/50Hz。
  - 制冷剂R404A。
  - 制冷量和功率为变频CDU最大制冷量和最大输入功率。
  - 低温机型基于回气温度5℃, 中温机型基于回气温度18℃。

- Comment:
- For models below 6HP (including 6HP), the electrical system is 220V/1Ph/50Hz; For models above 6HP, the electrical system is 380V/3Ph/50Hz.
  - Refrigerant R404A.
  - The cooling capacity and power are the maximum cooling capacity and maximum input power of the variable frequency CDU.
  - Low temperature models are based on a return air temperature of 5 ° C, while medium temperature models are based on a return air temperature of 18 ° C.

尺寸图 Dimension





# 商用大型冷凝机组

Centurion系列



10.9  39.5 kW



**BEIJER REF**

Commercial Large Capacity CDU  
Centurion CDU Series



## 描述 Description

- Centurion压缩冷凝机组提供了较大冷量和较宽的运行范围。
- Centurion Condensing Unit provides a large cooling capacity and a wide operating envelope.
- 采用新式风冷冷凝器以及Blue Koted 翅片工艺。
- Use new air cooled condenser and Blue Koted fin technology.
- 新一代的 EBM 风机。
- New generation EBM.
- 系统安全控制—包含电压相序保护、油分离系统，防雨外壳，粉末涂层处理的压缩机机组面板。
- System safety controls - including voltage phase protection, oil separation system, weather resistant metal base, powder coated compressor unit panels.



## 安装 Installation

- 一体化解决方案。
- All-in-one solution.
- 机组预接线便于安装。
- Condensing unit is pre-wired to assist with installation.



## 维修/保养 Servicing/Maintenance

- 部件设计便于检修和保养。
- Easy maintenance and servicing thanks to unimpeded access to components.



## 市场范围 Market Segments



## 命名规则 Nomenclature

商用大型冷凝机组  
COMMERCIAL LARGE CAPACITY CDU

**B**<sub>(1)</sub> **C**<sub>(2)</sub> **S**<sub>(3)</sub> **150**<sub>(4)</sub> **LMH**<sub>(5)</sub> **6**<sub>(6)</sub> **D**<sub>(7)</sub> **JP**<sub>(8)</sub>

|                     |                                 |
|---------------------|---------------------------------|
| (1) 公司名称            | (1)Beijer Ref                   |
| (2) C: Centurion    | (2)C:Centurion                  |
| (3) S: 半封活塞压缩机      | (3)S:Semi Hemetic Reciprocating |
| (4) 匹数=150/10       | (4) HP=150/0                    |
| (5) MH: 中温/高温       | (5)MH:Medium/High               |
| LM: 低温/中温           | LM:Low/Medium                   |
| LMH: 低温/中温/高温       | LMH:Low/Medium/High             |
| (6) 6: R404A        | (6)6:R404A                      |
| 2: R22              | 2:R22                           |
| (7) D: 380V/3P/50Hz | (7)D:380V/3VP/50Hz              |
| (8) 空白: 不带可选项       | (8)Blank:w/o Option             |
| J: 缸头风扇             | J:Fan cooling                   |
| P: 喷液冷却             | P:Liquid injection              |

性能参数  
Performance Data

(R22)

| 型号<br>Model           | Q:制冷量(W)<br>Q:Capacity(W) | 环境温度<br>Amb(°C) | LT(°C) |       |       |       | MT(°C) |       |       | HT(°C) |       |
|-----------------------|---------------------------|-----------------|--------|-------|-------|-------|--------|-------|-------|--------|-------|
|                       | P:功率(W)<br>P:Power(W)     |                 | -35    | -30   | -25   | -20   | -15    | -10   | -5    | 0      | 5     |
| BCS150LMH2D<br>4PE-15 | Q                         | 27              |        |       | 13277 | 16978 | 21581  | 26391 | 31902 | 38109  | 45064 |
|                       |                           | 32              |        |       | 12225 | 15751 | 20173  | 24808 | 30047 | 35959  | 42616 |
|                       |                           | 38              |        |       | 10981 | 14290 | 18511  | 22888 | 27830 | 33431  | 39744 |
|                       |                           | 43              |        |       | 9959  | 13103 | 17146  | 21318 | 26025 | 31418  | 37374 |
|                       | P                         | 27              |        |       | 7732  | 8556  | 9384   | 10209 | 11004 | 11779  | 12518 |
|                       |                           | 32              |        |       | 7889  | 8800  | 9723   | 10637 | 11547 | 12438  | 13290 |
|                       |                           | 38              |        |       | 8031  | 9047  | 10078  | 11111 | 12148 | 13166  | 14149 |
|                       |                           | 43              |        |       | 8111  | 9210  | 10331  | 11460 | 12597 | 13708  | 14817 |
| BCS140LM2D<br>4NE-14  | Q                         | 27              | 8614   | 11843 | 15534 | 19739 | 24986  | 30489 | 36636 |        |       |
|                       |                           | 32              | 7760   | 10837 | 14342 | 18360 | 23408  | 28663 | 34574 |        |       |
|                       |                           | 38              | 6734   | 9640  | 12945 | 16734 | 21527  | 26486 | 32116 |        |       |
|                       |                           | 43              | 5892   | 8665  | 11796 | 15400 | 19986  | 24705 | 30083 |        |       |
|                       | P                         | 27              | 6957   | 7913  | 8906  | 9929  | 10975  | 12035 | 13108 |        |       |
|                       |                           | 32              | 7000   | 7913  | 9128  | 10253 | 11412  | 12594 | 13786 |        |       |
|                       |                           | 38              | 7007   | 8144  | 9344  | 10592 | 11886  | 13216 | 14549 |        |       |
|                       |                           | 43              | 6975   | 8191  | 9483  | 10831 | 12235  | 13684 | 15142 |        |       |
| BCS200LMH2D<br>4NE-20 | Q                         | 27              |        |       | 15787 | 20107 | 25491  | 31137 | 37592 | 44861  | 53015 |
|                       |                           | 32              |        |       | 14591 | 18714 | 23891  | 29307 | 35435 |        |       |
|                       |                           | 38              |        |       | 13173 | 17063 | 21988  | 27118 | 32914 |        |       |
|                       |                           | 43              |        |       | 12010 | 15692 | 20425  | 25315 | 30833 |        |       |
|                       | P                         | 27              |        |       | 8818  | 9751  | 10687  | 11613 | 12505 |        |       |
|                       |                           | 32              |        |       | 9037  | 10069 | 11114  | 12150 | 13179 |        |       |
|                       |                           | 38              |        |       | 9255  | 10404 | 11576  | 12748 | 13921 |        |       |
|                       |                           | 43              |        |       | 9397  | 10644 | 11918  | 13201 | 14493 |        |       |
| BCS180LM2D<br>4HE-18  | Q                         | 27              | 11569  | 15604 | 20206 | 25458 | 32428  | 39432 | 47279 |        |       |
|                       |                           | 32              | 10511  | 14338 | 18713 | 23705 | 30361  | 37019 | 44510 |        |       |
|                       |                           | 38              | 9274   | 12866 | 16959 | 21660 | 28002  | 34231 | 41199 |        |       |
|                       |                           | 43              | 8279   | 11684 | 15561 | 20009 | 26058  | 31968 | 38689 |        |       |
|                       | P                         | 27              | 8867   | 10016 | 11222 | 12480 | 13863  | 15182 | 16525 |        |       |
|                       |                           | 32              | 9004   | 10233 | 11533 | 12896 | 14409  | 15863 | 17342 |        |       |
|                       |                           | 38              | 9105   | 10424 | 11833 | 13315 | 14963  | 16578 | 18244 |        |       |
|                       |                           | 43              | 9136   | 10524 | 12018 | 13598 | 15363  | 17099 | 18870 |        |       |

喷液冷却  
Liquid Injection

缸头风扇  
Fan Cooling



## 性能参数

## Performance Data

(R404A)

| 型号<br>Model            | Q:制冷量(W)<br>Q:Capacity(W)<br>P:功率(W)<br>P:Power(W) | 环境温度<br>Amb(°C) | LT(°C) |       |        |       | MT(°C) |       |       | HT(°C) |       |
|------------------------|----------------------------------------------------|-----------------|--------|-------|--------|-------|--------|-------|-------|--------|-------|
|                        |                                                    |                 | -35    | -30   | -25    | -20   | -15    | -10   | -5    | 0      | 5     |
| BCS150LMH6D<br>4PE-15Y | Q                                                  | 27              | 8210   | 10858 | 113985 | 17640 | 22496  | 27417 | 32903 | 39038  | 45513 |
|                        |                                                    | 32              | 7249   | 9680  | 12538  | 15882 | 20508  | 25055 | 30123 | 35808  | 41789 |
|                        |                                                    | 38              | 6130   | 8299  | 10844  | 13840 | 18159  | 22273 | 26885 | 31935  | 37485 |
|                        |                                                    | 43              | 5247   | 7190  | 9490   | 12174 | 16198  | 19987 | 24186 | 28702  | 33744 |
|                        | P                                                  | 27              | 6492   | 7376  | 8300   | 9247  | 10218  | 11188 | 12164 | 13113  | 14069 |
|                        |                                                    | 32              | 6474   | 7420  | 8419   | 9452  | 10512  | 11584 | 12666 | 13723  | 14786 |
|                        |                                                    | 38              | 6428   | 7443  | 8524   | 9652  | 10817  | 12003 | 13199 | 14396  | 15556 |
|                        |                                                    | 43              | 6368   | 7436  | 8580   | 9784  | 11034  | 12306 | 13599 | 14908  | 16172 |
| BCS140LM6D<br>4NE-14Y  | Q                                                  | 27              | 9584   | 12464 | 15836  | 19710 | 26179  | 31597 | 37655 |        |       |
|                        |                                                    | 32              | 8594   | 11236 | 14331  | 17922 | 23960  | 28944 | 34552 |        |       |
|                        |                                                    | 38              | 7402   | 9766  | 12532  | 15737 | 21293  | 25814 | 30750 |        |       |
|                        |                                                    | 43              | 6411   | 8561  | 11045  | 13933 | 19070  | 23174 | 27605 |        |       |
|                        | P                                                  | 27              | 7676   | 8735  | 9841   | 10985 | 12196  | 13404 | 14606 |        |       |
|                        |                                                    | 32              | 7707   | 8847  | 10046  | 11287 | 12596  | 13916 | 15227 |        |       |
|                        |                                                    | 38              | 7661   | 8892  | 10196  | 11553 | 12972  | 14411 | 15872 |        |       |
|                        |                                                    | 43              | 7551   | 8855  | 10240  | 11690 | 13199  | 14740 | 16311 |        |       |
| BCS200LMH6D<br>4NE-20  | Q                                                  | 27              | 10142  | 13251 | 16909  | 21182 | 26884  | 32632 | 39093 | 46304  | 53996 |
|                        |                                                    | 32              | 9075   | 11913 | 15269  | 19177 | 24614  | 29943 | 35874 | 42522  | 49665 |
|                        |                                                    | 38              | 7824   | 10346 | 13337  | 16842 | 21921  | 26737 | 32151 | 38051  | 44577 |
|                        |                                                    | 43              | 6811   | 9089  | 11772  | 14922 | 19707  | 24096 | 29021 | 34338  | 40069 |
|                        | P                                                  | 27              | 7600   | 8592  | 9633   | 10704 | 11805  | 12907 | 14005 | 15073  | 16135 |
|                        |                                                    | 32              | 7656   | 8717  | 9842   | 11011 | 12215  | 13432 | 14663 | 15864  | 17046 |
|                        |                                                    | 38              | 7715   | 8851  | 10067  | 11343 | 12668  | 14016 | 15376 | 16742  | 18054 |
|                        |                                                    | 43              | 7760   | 8949  | 10236  | 11595 | 13013  | 14465 | 15936 | 17425  | 18892 |
| BCS180LM6D<br>4HE-18Y  | Q                                                  | 27              | 14059  | 18072 | 22640  | 27837 | 34590  | 41420 | 48881 |        |       |
|                        |                                                    | 32              | 12681  | 16366 | 20596  | 25388 | 31792  | 38061 | 44828 |        |       |
|                        |                                                    | 38              | 11058  | 14349 | 18121  | 22439 | 28494  | 34069 | 40228 |        |       |
|                        |                                                    | 43              | 9727   | 12694 | 16093  | 19957 | 25705  | 30812 | 36341 |        |       |
|                        | P                                                  | 27              | 10137  | 11494 | 12916  | 14396 | 15871  | 17448 | 19075 |        |       |
|                        |                                                    | 32              | 10253  | 11708 | 13238  | 14838 | 16439  | 18169 | 19969 |        |       |
|                        |                                                    | 38              | 10326  | 11890 | 13548  | 15286 | 17019  | 18924 | 20879 |        |       |
|                        |                                                    | 43              | 10332  | 11981 | 13738  | 15593 | 17435  | 19462 | 21563 |        |       |

回气温度小于1°C  
Suction Temp<1°C

机组参数基于以下工况  
Condensing Unit Ratings Are At The Following Conditions

环境温度27, 32, 38和43°C。  
Ambient temperature of 27, 32, 38 and 43°C.

液体无过冷, 高中温应用回气温度18°C, 低温应用回气温度5°C。  
Liquid entering temperature with inherent subcooling averaging 0K, return vapour temperature of 18°C for high/middle temperature applica-  
tion, 5°C for low temperature applications.

所有的冷量参数基于风扇持续运转, 定速。  
All capacity data based on continuous condenser fan operation without the consideration of fan speed control.

冷量修正数据基于百尔制冷实验数据。  
Capacity correction data is based on refcoli capacity data from Beijer Ref.

R404A:吸气10K过热或液体5K过冷, 使用以下的修正系数  
R404A:use Factors Bellow For 10K Return Vapour Superheat Or 5K Subcooling.

| SST     | -40   | -30   | -20   | -10   | 0     | 10    |
|---------|-------|-------|-------|-------|-------|-------|
| R404A*  | 0.88  | 0.89  | 0.91  | 0.94  | 0.97  | 1     |
| R404A** | 1.034 | 1.036 | 1.038 | 1.041 | 1.045 | 1.051 |

R134a:请联系百尔制冷。  
R134a: Please refer to Beijer Ref.  
吸气过热度为10K的修正系数, 液体过冷度为5K时的修正系数。  
Multiply rated capacity by factor to get capacity at 10K superheat, multiply rated capacity by factor to get capacity at 5K subcooling.



## 中低温技术参数

## M&amp;L Temp Technical Data

| 机组型号<br>CDU Model                      |                       | BCS150LMH*D       | BCS140LM*D        | BCS200LMH*D       | BCS180LM*D        |
|----------------------------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|
| 压缩机型号<br>Compressor Model              |                       | 4PE-15/Y          | 4NE-14/Y          | 4NE-20/Y          | 4HE-18/Y          |
| 压缩机电压<br>Compressor Voltage            |                       | 380-420V/3PH/50Hz | 380-420V/3PH/50Hz | 380-420V/3PH/50Hz | 380-420V/3PH/50Hz |
| R22                                    | 制冷量(W)<br>Capacity(W) | 27859             | 32189             | 32877             | 41434             |
|                                        | 功率(W)<br>Power(W)     | 11188             | 13290             | 12774             | 16742             |
| R404A                                  | 制冷量(W)<br>Capacity(W) | 28068             | 32294             | 33457             | 42104             |
|                                        | 功率(W)<br>Power(W)     | 11780             | 14694             | 14165             | 19233             |
| 风扇数量<br>Number of Fans                 |                       | 3                 | 3                 | 3                 | 3                 |
| 机组堵转电流(A)<br>LRA(A)                    |                       | 132               | 113               | 158               | 158               |
| 机组额定运行电流 (A)<br>LRA(A)                 |                       | 25.3/26.7         | 27.4/29.9         | 28.0/30.0         | 32.9/36.6         |
| 机组噪音 (dBA) 声压级@1m<br>Noise(dBA) SPL@1m |                       | 61.6              | 62.6              | 62.6              | 62.3              |
| 压缩机油充注量(L)<br>Compressor oil(L)        |                       | 2.6               | 2.6               | 2.6               | 4                 |
| 储液器容量(L)<br>Liquid receiver(L)         |                       | 40                | 40                | 40                | 40                |
| 汽管直径(Inch)<br>Suction pipe(Inch)       |                       | 1-5/8             | 1-5/8             | 1-5/8             | 1-5/8             |
| 液管直径(Inch)<br>Liquid pipe(Inch)        |                       | 1-1/8             | 1-1/8             | 1-1/8             | 1-1/8             |

注：制冷量和功率基于中温标准工况环境温度32℃，蒸发温度-7℃，回气温度18℃

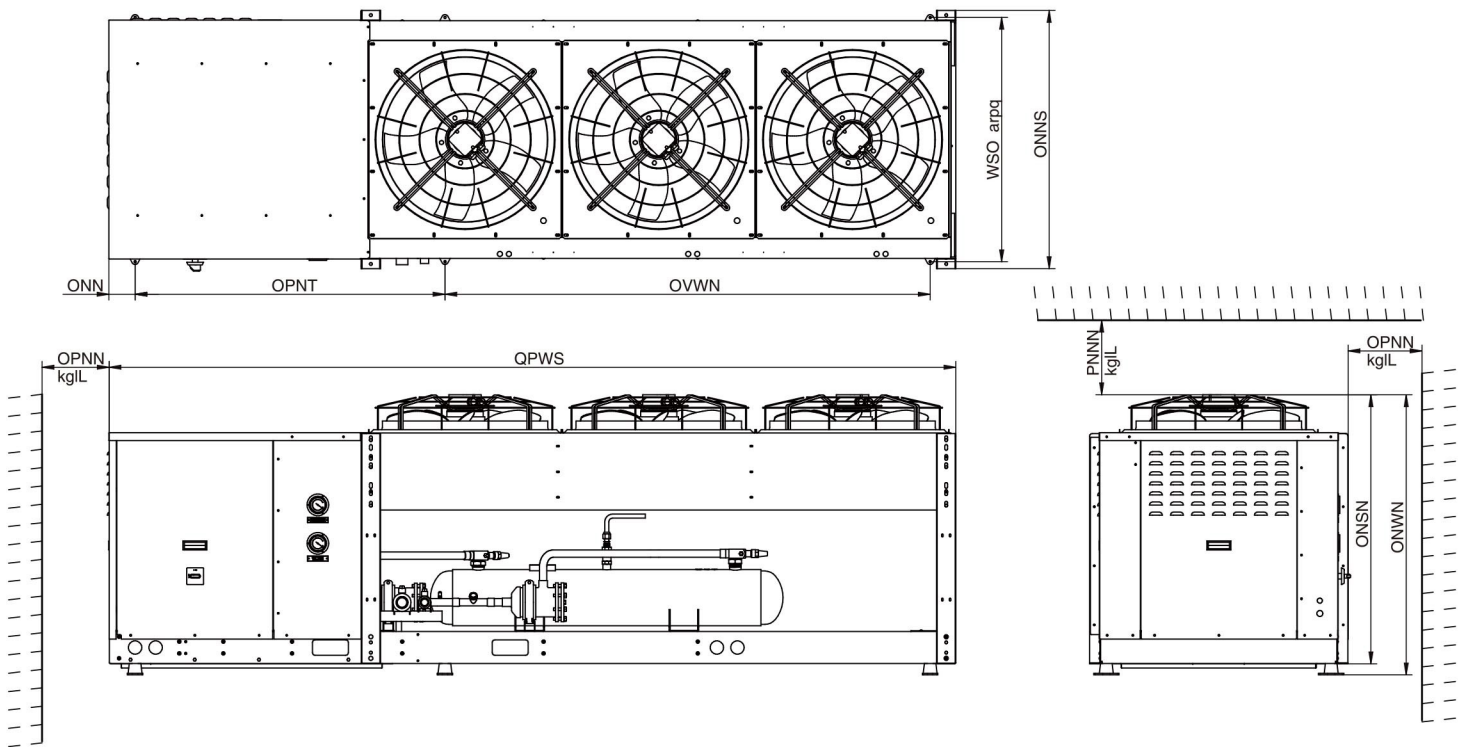
Note: Capacity and power data are based on medium standard conditions of ambient temp 32℃, evaporating temp -7℃ and return gas temp 18℃



尺寸参数  
Dimensions

| 机组型号 CDU Model                          | BCS150LMH*D    | BCS140LM*D     | BCS200LMH*D    | BCS180LM*D     |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| 机组外形尺寸(长X宽X高)mm<br>Dimension(L*W*H)(mm) | 3300X1005X1090 | 3300X1005X1090 | 3300X1005X1090 | 3300X1005X1090 |
| 净重(kg)<br>Net Weight(kg)                | 520            | 590            | 570            | 570            |

尺寸图  
Dimensions





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