

# 重型活塞并联机组

BRR系列



低温 36  180 HP

中低温 56  240 HP

中高温 105  300 HP



**BEIJER REF**

BRR Semi-Hermetic Rack

BRR Series



## 描述 Description

### 稳定可靠

Stable and reliable

- 高品质的世界名牌压缩机。
- High quality and world famous compressors.
- 机组中某台压缩机故障时,其他压缩机仍可继续正常工作。
- If one compressor has broken, other compressor also can work continually.
- 每台机组出厂均标配控制器,自动调节压缩机运行时间, 延长压缩机使用寿命。
- Standard products are configured controller which can regulate the running time of compressors automatically and extend compressor service life.
- 独特的汽液分离设计,最大限度避免液击。
- Special design for suction accumulator can maximize a voiding liquid impact .

### 高效节能

High efficiency and saving energy

- 控制器在日常部分负荷情况下调整机组最佳运行曲线,为终端用户节省大量电能。
- Controller can adjust compressor on - off in the routine days which saves more electric energy for end - user .
- 精确的管路设计,把管路压力损失减到最小,最大限度提高机组效率。
- Perfect design of pipe minimizes pressure loss along the pipeline which lead to enhance efficiency .
- 可配比不等大小压缩机,提供更多的调节级数,冷量输出可以更加平滑地动态匹配实际负荷。
- Can use different compressors in the same system and balance dynamic cooling capacity output.



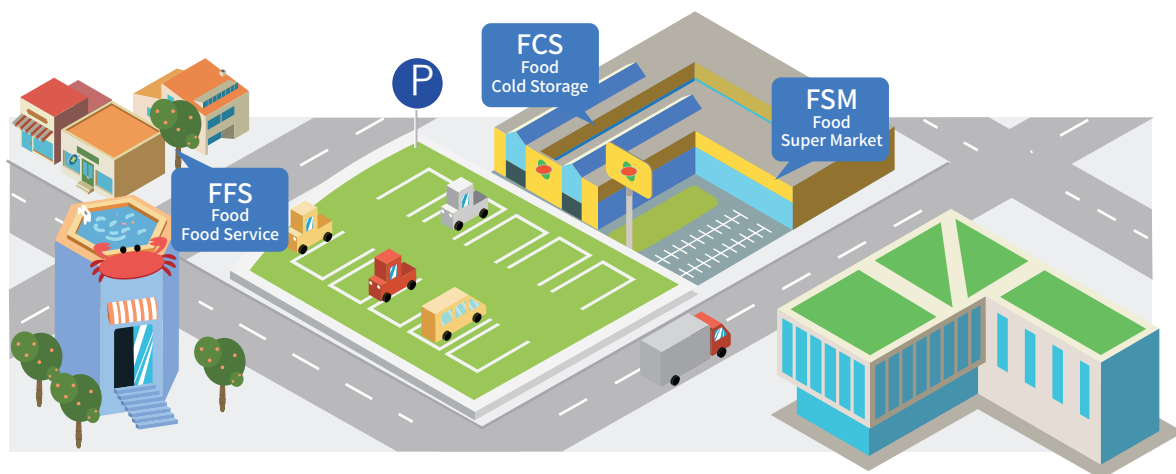
### 结构紧凑灵活

Structure compact and Flexible

- 多台压缩机共享油分离器、冷凝器、储液器、控制系统及框架。
- Share oil separator, condenser, liquid receiver, control system and frame.
- 安装空间的减少可以为大型超市和冷库提供更大的商用空间,进一步为终端用户创造价值。
- Reduce installation space and create more value for end - user .
- 自动化程度高。
- Highly - automated .
- 微电脑控制并联机组实时匹配动态负载,明显降低蒸发压力波动。
- Micro - computer control parallel system real - time dynamic load which can result in decreasing fluctuation of evaporating pressure .
- 可选用远程监控,自动化运行。
- Through remote monitoring , achieve system running automatically .



## 市场范围 Market Segments



• 超市 Super Market

• 冷冻冷藏 Cold Storage

• 餐饮 Food Service

## 命名规则 Nomenclature

BRR系列重型活塞并联机组  
BRR SEMI-HERMETIC RACK

**BRR**<sub>(1)</sub> **4**<sub>(2)</sub> **136**<sub>(3)</sub> **-S**<sub>(4)</sub> **L**<sub>(5)</sub> **Y**<sub>(6)</sub> **-XXX**<sub>(7)</sub>

(1) BRR:大型并联机组重型机架

(2) 4:压缩机数量

(3) 136:总匹数

(4) S:单级压缩

T:双级压缩

(5) L:低温

M:中温

TL:低温双级

(6) 润滑油种类

空白:矿物油

Y:聚酯油

(7) 选项(单级适用)

A:汽分(低温标配; 中温选配)

M:手动

L:低液位报警

C:冷凝器控制

N:标准支路数量 (N-1)

(1)BRR:Heavy Type Hermetic Rack

(2)4:Compressor No.

(3)136:Total HP

(4)S:Single Stage

T:Two Stage

(5)L:Low Temp

M:Middle Temp

TL:Two Stage Low Temp

(6)Types of oil

Blank:Mineral Oil(R22)

Y:Polyester Oil(R404A,R507A)

(7)Options(Single Stage)

A:Suction accumulator

M:Manual

L:Low Liquid Level Alarm

C:Condenser Control

N:Standard branch No.(N-1)

## 产品概述

### Product overview

- 标准配置控制器可以自动调节压缩机的运行时间, 延长寿命。
- Standard configured controller can automatically regulate the running time among compressors and extend the lifetime .
- 标准配置控制器可以根据不同的负载调节压缩机的运转周期, 为用户节省更多电力。
- Standard configured controller can regulate the on-off cycle of compressors according to different load which saves more electricity for end-users.
- 采用高效油分离器, 润滑油只有很少一部分进入系统, 提高了换热器的效率。
- Apply high efficient oil separator , tremendously decrease the oil into system which can improve the efficiency of heat exchangers .
- 电子控制器实现实时负荷控制, 减少蒸发压力波动。
- Electronic controler achieves real-time load control. It helps decreasing the fluctuation of evaporating pressure.

重型活塞并联机组-BRR系列 BRR Semi-Hermetic Rack

制冷量与输入功率(R22)  
Capacity and Input Power (R22)

中高温  
MT&HT

| 型号<br>Model  | 压缩机<br>Compressor |           | 蒸发温度SET<br>-15℃ |                   | 蒸发温度SET<br>-10℃ |                   | 蒸发温度SET<br>0℃   |                   | 蒸发温度SET<br>5℃   |                   |
|--------------|-------------------|-----------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|
|              | 型号<br>Model       | 数量<br>Qty | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power |
| BRR375-SM-2  | 4HE-25            | 3         | 86.40           | 39.99             | 109.20          | 43.98             | 136.20          | 47.58             | 169.50          | 50.67             |
| BRR4100-SM-3 |                   | 4         | 115.20          | 53.32             | 145.60          | 58.64             | 181.60          | 63.44             | 226.00          | 67.56             |
| BRR5125-SM-4 |                   | 5         | 144.00          | 66.65             | 182.00          | 73.30             | 227.00          | 79.30             | 282.50          | 84.45             |
| BRR6150-SM-5 |                   | 6         | 172.80          | 79.98             | 218.40          | 87.96             | 272.40          | 95.16             | 339.00          | 101.34            |
| BRR390-SM-2  | 4GE-30            | 3         | 100.80          | 46.32             | 127.20          | 50.79             | 157.80          | 54.84             | 196.50          | 58.32             |
| BRR4120-SM-3 |                   | 4         | 134.40          | 61.76             | 169.60          | 67.72             | 210.40          | 73.12             | 262.00          | 77.76             |
| BRR5150-SM-4 |                   | 5         | 168.00          | 77.20             | 212.00          | 84.65             | 263.00          | 91.40             | 327.50          | 97.20             |
| BRR6180-SM-5 |                   | 6         | 201.60          | 92.64             | 254.40          | 101.58            | 315.60          | 109.68            | 393.00          | 116.64            |
| BRR270-SM-1  | 6HE-35            | 2         | 86.40           | 40.00             | 109.40          | 44.20             | 136.00          | 47.80             | 169.40          | 51.00             |
| BRR3105-SM-2 |                   | 3         | 129.60          | 60.00             | 164.10          | 66.30             | 204.00          | 71.70             | 254.10          | 76.50             |
| BRR4140-SM-3 |                   | 4         | 172.80          | 80.00             | 218.80          | 88.40             | 272.00          | 95.60             | 338.80          | 102.00            |
| BRR5175-SM-4 |                   | 5         | 216.00          | 100.00            | 273.50          | 110.50            | 340.00          | 119.50            | 423.50          | 127.50            |
| BRR6210-SM-5 | 6GE-40            | 6         | 259.20          | 120.00            | 328.20          | 132.60            | 408.00          | 143.40            | 508.20          | 153.00            |
| BRR280-SM-1  |                   | 2         | 99.20           | 46.20             | 125.40          | 50.60             | 156.20          | 54.80             | 194.60          | 58.40             |
| BRR3120-SM-2 |                   | 3         | 148.80          | 69.30             | 188.10          | 75.90             | 234.30          | 82.20             | 291.90          | 87.60             |
| BRR4160-SM-3 |                   | 4         | 198.40          | 92.40             | 250.80          | 101.20            | 312.40          | 109.60            | 389.20          | 116.80            |
| BRR5200-SM-4 | 6FE-50            | 5         | 248.00          | 115.50            | 313.50          | 126.50            | 390.50          | 137.00            | 486.50          | 146.00            |
| BRR6240-SM-5 |                   | 6         | 297.60          | 138.60            | 376.20          | 151.80            | 468.60          | 164.40            | 583.80          | 175.20            |
| BRR2100-SM-1 |                   | 2         | 120.00          | 56.40             | 151.40          | 61.80             | 188.20          | 66.60             | 234.20          | 70.80             |
| BRR3150-SM-2 |                   | 3         | 180.00          | 84.60             | 227.10          | 92.70             | 282.30          | 99.90             | 351.30          | 106.20            |
| BRR4200-SM-3 |                   | 4         | 240.00          | 112.80            | 302.80          | 123.60            | 376.40          | 133.20            | 468.40          | 141.60            |
| BRR5250-SM-4 |                   | 5         | 300.00          | 141.00            | 378.50          | 154.50            | 470.50          | 166.50            | 585.50          | 177.00            |
| BRR6300-SM-5 |                   | 6         | 360.00          | 169.20            | 454.20          | 185.40            | 564.60          | 199.80            | 702.60          | 212.40            |

机组供电380V/3P/50Hz。名义制冷量及输入功率基于环境温度+38℃，冷凝温度+45℃，制冷剂R22。  
Power supply: 380V/3P/50Hz.Nominal cooling capacity and input power are based on ambient temperature +38℃, condensing temperature +45℃ and refrigerant R22.  
如果机组需要运行于不同的蒸发温度或过高/过低的冷凝温度，请联系我们公司当地代表处。  
If the same rack system should be applied in different evaporating temperatures or condensing temperature is out the normal range, please contact our local representative office.  
所有的制冷量参数为均净有效值，在考虑了管路损失后仅需对系统加最多10%的余量。  
All capacities are net effective valve. If pipe lose is considered in the system, only add 10% capacity.

其他技术参数(R22)  
Other Technical Data (R22)

中高温  
MT&HT

| 型号<br>Model  | 匹数<br>HP | 最大工作电流<br>Max. Operating Current | 机组对外管路尺寸<br>Dimension (mm) |                    |                   | 标准支管路数量<br>No. of Branch Line Ball Valve |                    |                   | 电子低液位报警<br>Electronic Liquid Level Alarm | 通风量<br>Air Flow)<br>m3/h |
|--------------|----------|----------------------------------|----------------------------|--------------------|-------------------|------------------------------------------|--------------------|-------------------|------------------------------------------|--------------------------|
|              |          |                                  | 排气<br>Discharge Pipe       | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe | 排气<br>Discharge Pipe                     | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe |                                          |                          |
|              |          | A                                | mm                         | mm                 | mm                |                                          |                    |                   | 有Y/无N                                    |                          |
| BRR375-SM-2  | 75       | 89                               | 54                         | 2*54               | 2*22              | 1                                        | 2                  | 2                 | N                                        | 7700                     |
| BRR4100-SM-3 | 100      | 119                              | 54                         | 3*54               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 10300                    |
| BRR5125-SM-4 | 125      | 149                              | 67                         | 4*54               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 12900                    |
| BRR6150-SM-5 | 150      | 178                              | 67                         | 5*54               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 15400                    |
| BRR390-SM-2  | 90       | 105                              | 54                         | 2*67               | 2*28              | 1                                        | 2                  | 2                 | N                                        | 8900                     |
| BRR4120-SM-3 | 120      | 140                              | 54                         | 3*67               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 11900                    |
| BRR5150-SM-4 | 150      | 175                              | 67                         | 4*54               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 14900                    |
| BRR6180-SM-5 | 180      | 210                              | 67                         | 5*54               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 17900                    |
| BRR270-SM-1  | 70       | 91                               | 54                         | 79                 | 35                | 1                                        | 1                  | 1                 | N                                        | 7700                     |
| BRR3105-SM-2 | 105      | 136                              | 54                         | 2*79               | 2*28              | 1                                        | 2                  | 2                 | N                                        | 11600                    |
| BRR4140-SM-3 | 140      | 182                              | 67                         | 3*67               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 15500                    |
| BRR5175-SM-4 | 175      | 227                              | 67                         | 4*67               | 4*28              | 1                                        | 4                  | 4                 | N                                        | 19400                    |
| BRR6210-SM-5 | 210      | 272                              | 79                         | 5*67               | 5*28              | 1                                        | 5                  | 5                 | N                                        | 23200                    |
| BRR280-SM-1  | 80       | 108                              | 54                         | 89                 | 35                | 1                                        | 1                  | 1                 | N                                        | 8800                     |
| BRR3120-SM-2 | 120      | 162                              | 67                         | 2*79               | 2*35              | 1                                        | 2                  | 2                 | N                                        | 13300                    |
| BRR4160-SM-3 | 160      | 216                              | 67                         | 3*79               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 17700                    |
| BRR5200-SM-4 | 200      | 270                              | 79                         | 4*67               | 4*28              | 1                                        | 4                  | 4                 | N                                        | 22200                    |
| BRR6240-SM-5 | 240      | 323                              | 79                         | 5*67               | 5*28              | 1                                        | 5                  | 5                 | N                                        | 26600                    |
| BRR2100-SM-1 | 100      | 146                              | 54                         | 108                | 35                | 1                                        | 1                  | 1                 | N                                        | 10700                    |
| BRR3150-SM-2 | 150      | 219                              | 67                         | 2*89               | 2*35              | 1                                        | 2                  | 2                 | N                                        | 16100                    |
| BRR4200-SM-3 | 200      | 292                              | 79                         | 3*79               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 21500                    |
| BRR5250-SM-4 | 250      | 366                              | 79                         | 4*79               | 4*28              | 1                                        | 4                  | 4                 | N                                        | 26900                    |
| BRR6300-SM-5 | 300      | 439                              | 79                         | 5*79               | 5*28              | 1                                        | 5                  | 5                 | N                                        | 32300                    |

所有机组对外管路尺寸可根据客户需求定制。  
All pipe sizes of rack systems can be customized by customer's requirement, such as liquid pipe and suction pipe.  
所有标准机组（R22）预先充注矿物油，R404A机组预先充注聚酯油。  
All rack system using R22 should be charged mineral oil in advance, otherwise polyester.  
外形尺寸为标准，如果有特殊要求请联系我公司当地代表处。  
If you have special requirement for dimension, please contact local representative office of our company.

### 制冷量与输入功率(R22)

Capacity and Input Power (R22)

中低温  
MT&LT

| 型号<br>Model   | 压缩机<br>Compressor |           | 蒸发温度SET<br>-40℃ |                   | 蒸发温度SET<br>-35℃ |                   | 蒸发温度SET<br>-30℃ |                   | 蒸发温度SET<br>-25℃ |                   | 蒸发温度SET<br>-20℃ |                   |
|---------------|-------------------|-----------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|
|               | 型号<br>Model       | 数量<br>Qty | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power |
| BRR354-SL-A2  | 4HE-18            | 3         | 16.11           | 17.55             | 24.96           | 22.23             | 35.79           | 26.76             | 48.90           | 31.26             | 66.30           | 35.34             |
| BRR472-SL-A3  |                   | 4         | 21.48           | 23.40             | 33.28           | 29.64             | 47.72           | 35.68             | 65.20           | 41.68             | 88.40           | 47.12             |
| BRR590-SL-A4  |                   | 5         | 26.85           | 29.25             | 41.60           | 37.05             | 59.65           | 44.60             | 81.50           | 52.10             | 110.50          | 58.90             |
| BRR6108-SL-A5 |                   | 6         | 32.22           | 35.10             | 49.92           | 44.46             | 71.58           | 53.52             | 97.80           | 62.52             | 132.60          | 70.68             |
| BRR369-SL-A2  | 4GE-23            | 3         | 15.84           | 21.30             | 29.13           | 26.85             | 41.61           | 32.31             | 56.73           | 37.47             | 79.80           | 42.96             |
| BRR492-SL-A3  |                   | 4         | 21.12           | 28.40             | 38.84           | 35.80             | 55.48           | 43.08             | 75.64           | 49.96             | 106.40          | 57.28             |
| BRR5115-SL-A4 |                   | 5         | 26.40           | 35.50             | 48.55           | 44.75             | 69.35           | 53.85             | 94.55           | 62.45             | 133.00          | 71.60             |
| BRR6138-SL-A5 |                   | 6         | 31.68           | 42.60             | 58.26           | 53.70             | 83.22           | 64.62             | 113.46          | 74.94             | 159.60          | 85.92             |
| BRR256-SL-A1  | 6HE-28            | 2         | 16.12           | 17.48             | 24.96           | 22.16             | 35.78           | 26.74             | 48.80           | 31.22             | 68.00           | 36.20             |
| BRR384-SL-A2  |                   | 3         | 24.18           | 26.22             | 37.44           | 33.24             | 53.67           | 40.11             | 73.20           | 46.83             | 102.00          | 54.30             |
| BRR4112-SL-A3 |                   | 4         | 32.24           | 34.96             | 49.92           | 44.32             | 71.56           | 53.48             | 97.60           | 62.44             | 136.00          | 72.40             |
| BRR5140-SL-A4 |                   | 5         | 40.30           | 43.70             | 62.40           | 55.40             | 89.45           | 66.85             | 122.00          | 78.05             | 170.00          | 90.50             |
| BRR6168-SL-A5 | 6GE-34            | 6         | 48.36           | 52.44             | 74.88           | 66.48             | 107.34          | 80.22             | 146.40          | 93.66             | 204.00          | 108.60            |
| BRR268-SL-A1  |                   | 2         | 18.82           | 21.28             | 29.12           | 26.82             | 41.60           | 32.26             | 56.80           | 37.44             | 78.60           | 42.20             |
| BRR3102-SL-A2 |                   | 3         | 28.23           | 31.92             | 43.68           | 40.23             | 62.40           | 48.39             | 85.20           | 56.16             | 117.90          | 63.30             |
| BRR4136-SL-A3 |                   | 4         | 37.64           | 42.56             | 58.24           | 53.64             | 83.20           | 64.52             | 113.60          | 74.88             | 157.20          | 84.40             |
| BRR5170-SL-A4 | 6FE-44            | 5         | 47.05           | 53.20             | 72.80           | 67.05             | 104.00          | 80.65             | 142.00          | 93.60             | 196.50          | 105.50            |
| BRR6204-SL-A5 |                   | 6         | 56.46           | 63.84             | 87.36           | 80.46             | 124.80          | 96.78             | 170.40          | 112.32            | 235.80          | 126.60            |
| BRR288-SL-A1  |                   | 2         | 23.46           | 25.96             | 35.72           | 32.38             | 50.60           | 38.84             | 68.40           | 45.20             | 95.20           | 51.20             |
| BRR3132-SL-A2 |                   | 3         | 35.19           | 38.94             | 53.58           | 48.57             | 75.90           | 58.26             | 102.60          | 67.80             | 142.80          | 76.80             |
| BRR4176-SL-A3 |                   | 4         | 46.92           | 51.92             | 71.44           | 64.76             | 101.20          | 77.68             | 136.80          | 90.40             | 190.40          | 102.40            |
| BRR5220-SL-A4 |                   | 5         | 58.65           | 64.90             | 89.30           | 80.95             | 126.50          | 97.10             | 171.00          | 113.00            | 238.00          | 128.00            |
| BRR6264-SL-A5 |                   | 6         | 70.38           | 77.88             | 107.16          | 97.14             | 151.80          | 116.52            | 205.20          | 135.60            | 285.60          | 153.60            |

机组供电380V/3P/50Hz。名义制冷量及输入功率基于环境温度+38℃，冷凝温度+45℃，制冷剂R22。  
Power supply: 380V/3P/50Hz.Nominal cooling capacity and input power are based on ambient temperature +38℃, condensing temperature +45℃ and refrigerant R22.  
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所有的制冷量参数为均净有效值，在考虑了管路损失后仅需对系统加最多10%的余量。  
All capacities are net effective valve. If pipe lose is considered in the system, only add 10% capacity.

### 其他技术参数(R22)

Other Technical Data (R22)

中低温  
MT&LT

| 型号<br>Model   | 匹数<br>HP | 最大工作电流<br>Max. Operating Current | 机组对外管路尺寸<br>Dimension (mm) |                    |                   | 标准支管路数量<br>No. of Branch Line Ball Valve |                    |                   | 电子低液位报警<br>Electronic Liquid Level Alarm | 通风量<br>Air Flow)<br>m3/h |
|---------------|----------|----------------------------------|----------------------------|--------------------|-------------------|------------------------------------------|--------------------|-------------------|------------------------------------------|--------------------------|
|               |          |                                  | 排气<br>Discharge Pipe       | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe | 排气<br>Discharge Pipe                     | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe |                                          |                          |
|               |          | A                                | mm                         | mm                 | mm                |                                          |                    |                   | 有Y/无N                                    |                          |
| BRR354-SL-A2  | 54       | 63                               | 28                         | 2*54               | 2*16              | 1                                        | 2                  | 2                 | N                                        | 2300                     |
| BRR472-SL-A3  | 72       | 84                               | 35                         | 3*54               | 3*12              | 1                                        | 3                  | 3                 | N                                        | 3100                     |
| BRR590-SL-A4  | 90       | 105                              | 35                         | 4*54               | 4*12              | 1                                        | 4                  | 4                 | N                                        | 3900                     |
| BRR6108-SL-A5 | 108      | 125                              | 35                         | 5*54               | 5*12              | 1                                        | 5                  | 5                 | N                                        | 4700                     |
| BRR369-SL-A2  | 69       | 74                               | 28                         | 2*54               | 2*16              | 1                                        | 2                  | 2                 | N                                        | 2800                     |
| BRR492-SL-A3  | 92       | 98                               | 35                         | 3*54               | 3*16              | 1                                        | 3                  | 3                 | N                                        | 3700                     |
| BRR5115-SL-A4 | 115      | 123                              | 42                         | 4*54               | 4*16              | 1                                        | 4                  | 4                 | N                                        | 4700                     |
| BRR6138-SL-A5 | 138      | 148                              | 42                         | 5*54               | 5*16              | 1                                        | 5                  | 5                 | N                                        | 5600                     |
| BRR256-SL-A1  | 56       | 66                               | 28                         | 79                 | 22                | 1                                        | 1                  | 1                 | N                                        | 2300                     |
| BRR384-SL-A2  | 84       | 99                               | 35                         | 2*54               | 2*16              | 1                                        | 2                  | 2                 | N                                        | 3500                     |
| BRR4112-SL-A3 | 112      | 132                              | 42                         | 3*67               | 3*16              | 1                                        | 3                  | 3                 | N                                        | 4700                     |
| BRR5140-SL-A4 | 140      | 166                              | 42                         | 4*54               | 4*16              | 1                                        | 4                  | 4                 | N                                        | 5900                     |
| BRR6168-SL-A5 | 168      | 199                              | 54                         | 5*54               | 5*16              | 1                                        | 5                  | 5                 | N                                        | 7100                     |
| BRR268-SL-A1  | 68       | 75                               | 28                         | 79                 | 22                | 1                                        | 1                  | 1                 | N                                        | 2800                     |
| BRR3102-SL-A2 | 102      | 113                              | 35                         | 2*67               | 2*22              | 1                                        | 2                  | 2                 | N                                        | 4200                     |
| BRR4136-SL-A3 | 136      | 150                              | 42                         | 3*67               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 5600                     |
| BRR5170-SL-A4 | 170      | 188                              | 54                         | 4*67               | 4*16              | 1                                        | 4                  | 4                 | N                                        | 7000                     |
| BRR6204-SL-A5 | 204      | 225                              | 54                         | 5*67               | 5*16              | 1                                        | 5                  | 5                 | N                                        | 8400                     |
| BRR288-SL-A1  | 88       | 98                               | 35                         | 79                 | 22                | 1                                        | 1                  | 1                 | N                                        | 3400                     |
| BRR3132-SL-A2 | 132      | 148                              | 42                         | 2*79               | 2*22              | 1                                        | 2                  | 2                 | N                                        | 5100                     |
| BRR4176-SL-A3 | 176      | 197                              | 54                         | 3*67               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 6800                     |
| BRR5220-SL-A4 | 220      | 246                              | 54                         | 4*67               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 8600                     |
| BRR6264-SL-A5 | 264      | 295                              | 54                         | 5*67               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 10300                    |

所有机组对外管路尺寸可根据客户需求定制。  
All pipe sizes of rack systems can be customized by customer's requirement, such as liquid pipe and suction pipe.  
所有标准机组（R22）预先充注矿物油，404A机组预先充注聚酯油。  
All rack system using R22 should be charged mineral oil in advance, otherwise polyester.  
外形尺寸为标准，如果有特殊要求请联系我公司当地代表处。  
If you have special requirement for dimension, please contact local representative office of our company.

重型活塞并联机组-BRR系列 BRR Semi-Hermetic Rack

制冷量与输入功率(R404A)  
Capacity and Input Power (R404A)

中低温  
MT&LT

| 型号<br>Model    | 压缩机<br>Compressor |           | 蒸发温度SET<br>-40℃ |                   | 蒸发温度SET<br>-35℃ |                   | 蒸发温度SET<br>-30℃ |                   | 蒸发温度SET<br>-25℃ |                   | 蒸发温度SET<br>-20℃ |                   |
|----------------|-------------------|-----------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|
|                | 型号<br>Model       | 数量<br>Qty | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power |
| BRR354-SLY-A2  | 4HE-18Y           | 3         | 18.66           | 21.69             | 27.00           | 26.25             | 37.35           | 31.05             | 50.07           | 36.00             | 65.40           | 40.98             |
| BRR472-SLY-A3  |                   | 4         | 24.88           | 28.92             | 36.00           | 35.00             | 49.80           | 41.40             | 66.76           | 48.00             | 87.20           | 54.64             |
| BRR590-SLY-A4  |                   | 5         | 31.10           | 36.15             | 45.00           | 43.75             | 62.25           | 51.75             | 83.45           | 60.00             | 109.00          | 68.30             |
| BRR6108-SLY-A5 |                   | 6         | 37.32           | 43.38             | 54.00           | 52.50             | 74.70           | 62.10             | 100.14          | 72.00             | 130.80          | 81.96             |
| BRR369-SLY-A2  | 4GE-23Y           | 3         | 23.07           | 26.13             | 32.61           | 31.38             | 44.46           | 36.99             | 59.01           | 42.81             | 76.80           | 48.72             |
| BRR492-SLY-A3  |                   | 4         | 30.76           | 34.84             | 43.48           | 41.84             | 59.28           | 49.32             | 78.68           | 57.08             | 102.40          | 64.96             |
| BRR5115-SLY-A4 |                   | 5         | 38.45           | 43.55             | 54.35           | 52.30             | 74.10           | 61.65             | 98.35           | 71.35             | 128.00          | 81.20             |
| BRR6138-SLY-A5 |                   | 6         | 46.14           | 52.26             | 65.22           | 62.76             | 88.92           | 73.98             | 118.02          | 85.62             | 153.60          | 97.44             |
| BRR256-SLY-A1  | 6HE-28Y           | 2         | 18.34           | 20.80             | 26.50           | 25.50             | 36.68           | 30.40             | 49.20           | 35.38             | 64.20           | 40.40             |
| BRR384-SLY-A2  |                   | 3         | 27.51           | 31.20             | 39.75           | 38.25             | 55.02           | 45.60             | 73.80           | 53.07             | 96.30           | 60.60             |
| BRR4112-SLY-A3 |                   | 4         | 36.68           | 41.60             | 53.00           | 51.00             | 73.36           | 60.80             | 98.40           | 70.76             | 128.40          | 80.80             |
| BRR5140-SLY-A4 |                   | 5         | 45.85           | 52.00             | 66.25           | 63.75             | 91.70           | 76.00             | 123.00          | 88.45             | 160.50          | 101.00            |
| BRR6168-SLY-A5 | 6GE-34Y           | 6         | 55.02           | 62.40             | 79.50           | 76.50             | 110.04          | 91.20             | 147.60          | 106.14            | 192.60          | 121.20            |
| BRR268-SLY-A1  |                   | 2         | 23.82           | 27.12             | 33.36           | 32.38             | 45.20           | 37.90             | 59.40           | 43.60             | 76.60           | 49.20             |
| BRR3102-SLY-A2 |                   | 3         | 35.73           | 40.68             | 50.04           | 48.57             | 67.80           | 56.85             | 89.10           | 65.40             | 114.90          | 73.80             |
| BRR4136-SLY-A3 |                   | 4         | 47.64           | 54.24             | 66.72           | 64.76             | 90.40           | 75.80             | 118.80          | 87.20             | 153.20          | 98.40             |
| BRR5170-SLY-A4 | 6FE-44Y           | 5         | 59.55           | 67.80             | 83.40           | 80.95             | 113.00          | 94.75             | 148.50          | 109.00            | 191.50          | 123.00            |
| BRR6204-SLY-A5 |                   | 6         | 71.46           | 81.36             | 100.08          | 97.14             | 135.60          | 113.70            | 178.20          | 130.80            | 229.80          | 147.60            |
| BRR288-SLY-A1  |                   | 2         | 27.22           | 32.14             | 38.92           | 38.70             | 53.20           | 45.40             | 70.60           | 52.40             | 91.40           | 59.20             |
| BRR3132-SLY-A2 |                   | 3         | 40.83           | 48.21             | 58.38           | 58.05             | 79.80           | 68.10             | 105.90          | 78.60             | 137.10          | 88.80             |
| BRR4176-SLY-A3 |                   | 4         | 54.44           | 64.28             | 77.84           | 77.40             | 106.40          | 90.80             | 141.20          | 104.80            | 182.80          | 118.40            |
| BRR5220-SLY-A4 |                   | 5         | 68.05           | 80.35             | 97.30           | 96.75             | 133.00          | 113.50            | 176.50          | 131.00            | 228.50          | 148.00            |
| BRR6264-SLY-A5 |                   | 6         | 81.66           | 96.42             | 116.76          | 116.10            | 159.60          | 136.20            | 211.80          | 157.20            | 274.20          | 177.60            |

机组供电380V/3P/50Hz。名义制冷量及输入功率基于环境温度+38℃，冷凝温度+45℃，制冷剂R22。  
Power supply: 380V/3P/50Hz.Nominal cooling capacity and input power are based on ambient temperature +38℃, condensing temperature +45℃ and refrigerant R22.  
如果机组需要运行于不同的蒸发温度或过高/过低的冷凝温度，请联系我们当地代表处。  
If the same rack system should be applied in different evaporating temperatures or condensing temperature is out the normal range, please contact our local representative office.  
所有的制冷量参数为均净有效值，在考虑了管路损失后仅需对系统加最多10%的余量。  
All capacities are net effective valve. If pipe lose is considered in the system, only add 10% capacity.

其他技术参数(R404A)  
Other Technical Data (R404A)

中低温  
MT&LT

| 型号<br>Model    | 匹数<br>HP | 最大工作电流<br>Max. Operating Current | 机组对外管路尺寸<br>Dimension (mm) |                    |                   | 标准支管路数量<br>No. of Branch Line Ball Valve |                    |                   | 电子低液位报警<br>Electronic Liquid Level Alarm | 通风量<br>Air Flow) m3/h |
|----------------|----------|----------------------------------|----------------------------|--------------------|-------------------|------------------------------------------|--------------------|-------------------|------------------------------------------|-----------------------|
|                |          |                                  | 排气<br>Discharge Pipe       | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe | 排气<br>Discharge Pipe                     | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe |                                          |                       |
|                |          |                                  | A                          | mm                 | mm                | mm                                       | mm                 | mm                |                                          |                       |
| BRR354-SLY-A2  | 54       | 71                               | 35                         | 2*54               | 2*22              | 1                                        | 2                  | 2                 | N                                        | 2300                  |
| BRR472-SLY-A3  | 72       | 94                               | 35                         | 3*54               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 3100                  |
| BRR590-SLY-A4  | 90       | 118                              | 42                         | 4*54               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 3900                  |
| BRR6108-SLY-A5 | 108      | 142                              | 42                         | 5*54               | 5*16              | 1                                        | 5                  | 5                 | N                                        | 4700                  |
| BRR369-SLY-A2  | 69       | 83                               | 35                         | 2*54               | 2*22              | 1                                        | 2                  | 2                 | N                                        | 2800                  |
| BRR492-SLY-A3  | 92       | 110                              | 42                         | 3*54               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 3700                  |
| BRR5115-SLY-A4 | 115      | 138                              | 42                         | 4*54               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 4700                  |
| BRR6138-SLY-A5 | 138      | 165                              | 54                         | 5*54               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 5600                  |
| BRR256-SLY-A1  | 56       | 72                               | 35                         | 79                 | 28                | 1                                        | 1                  | 1                 | N                                        | 2300                  |
| BRR384-SLY-A2  | 84       | 108                              | 42                         | 2*67               | 2*22              | 1                                        | 2                  | 2                 | N                                        | 3500                  |
| BRR4112-SLY-A3 | 112      | 144                              | 42                         | 3*67               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 4700                  |
| BRR5140-SLY-A4 | 140      | 181                              | 54                         | 4*54               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 5900                  |
| BRR6168-SLY-A5 | 168      | 217                              | 54                         | 5*54               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 7100                  |
| BRR268-SLY-A1  | 68       | 85                               | 35                         | 79                 | 28                | 1                                        | 1                  | 1                 | N                                        | 2800                  |
| BRR3102-SLY-A2 | 102      | 128                              | 42                         | 2*67               | 2*28              | 1                                        | 2                  | 2                 | N                                        | 4200                  |
| BRR4136-SLY-A3 | 136      | 171                              | 54                         | 3*67               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 5600                  |
| BRR5170-SLY-A4 | 170      | 214                              | 54                         | 4*67               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 7000                  |
| BRR6204-SLY-A5 | 204      | 256                              | 54                         | 5*67               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 8400                  |
| BRR288-SLY-A1  | 88       | 109                              | 42                         | 79                 | 28                | 1                                        | 1                  | 1                 | N                                        | 3400                  |
| BRR3132-SLY-A2 | 132      | 163                              | 54                         | 2*79               | 2*28              | 1                                        | 2                  | 2                 | N                                        | 5100                  |
| BRR4176-SLY-A3 | 176      | 218                              | 54                         | 3*67               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 6800                  |
| BRR5220-SLY-A4 | 220      | 272                              | 54                         | 4*67               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 8600                  |
| BRR6264-SLY-A5 | 264      | 326                              | 67                         | 5*67               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 10300                 |

所有机组对外管路尺寸可根据客户需求定制。  
All pipe sizes of rack systems can be customized by customer's requirement, such as liquid pipe and suction pipe.  
所有标准机组（R22）预先充注矿物油，R404A机组预先充注聚酯油。  
All rack system using R22 should be charged mineral oil in advance, otherwise polyester.  
外形尺寸为标准，如果有特殊要求请联系我公司当地代表处。  
If you have special requirement for dimension, please contact local representative office of our company.

制冷量与输入功率 (R404A)

Capacity and Input Power (R404A)

中高温

MT&HT

| 型号<br>Model   | 压缩机<br>Compressor |           | 蒸发温度SET<br>-15°C |                   | 蒸发温度SET<br>-10°C |                   | 蒸发温度SET<br>0°C  |                   | 蒸发温度SET<br>5°C  |                   |
|---------------|-------------------|-----------|------------------|-------------------|------------------|-------------------|-----------------|-------------------|-----------------|-------------------|
|               | 型号<br>Model       | 数量<br>Qty | 制冷量<br>Capacity  | 功率<br>Input Power | 制冷量<br>Capacity  | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power |
| BRR375-SMY-2  | 4HE-25Y           | 3         | 82.20            | 44.10             | 104.40           | 48.57             | 130.50          | 52.77             | 168.60          | 56.61             |
| BRR4100-SMY-3 |                   | 4         | 109.60           | 58.80             | 139.20           | 64.76             | 174.00          | 70.36             | 224.80          | 75.48             |
| BRR5125-SMY-4 |                   | 5         | 137.00           | 73.50             | 174.00           | 80.95             | 217.50          | 87.95             | 281.00          | 94.35             |
| BRR6150-SMY-5 |                   | 6         | 164.40           | 88.20             | 208.80           | 97.14             | 261.00          | 105.54            | 337.20          | 113.22            |
| BRR390-SMY-2  | 4GE-30Y           | 3         | 94.80            | 50.97             | 119.70           | 56.13             | 149.70          | 60.90             | 192.90          | 65.40             |
| BRR4120-SMY-3 |                   | 4         | 126.40           | 67.96             | 159.60           | 74.84             | 199.60          | 81.20             | 257.20          | 87.20             |
| BRR5150-SMY-4 |                   | 5         | 158.00           | 84.95             | 199.50           | 93.55             | 249.50          | 101.50            | 321.50          | 109.00            |
| BRR6180-SMY-5 |                   | 6         | 189.60           | 101.94            | 239.40           | 112.26            | 299.40          | 121.80            | 385.80          | 130.80            |
| BRR270-SMY-1  | 6HE-35Y           | 2         | 80.60            | 44.00             | 102.20           | 48.40             | 127.80          | 52.20             | 165.00          | 55.80             |
| BRR3105-SMY-2 |                   | 3         | 120.90           | 66.00             | 153.30           | 72.60             | 191.70          | 78.30             | 247.50          | 83.70             |
| BRR4140-SMY-3 |                   | 4         | 161.20           | 88.00             | 204.40           | 96.80             | 255.60          | 104.40            | 330.00          | 111.60            |
| BRR5175-SMY-4 |                   | 5         | 201.50           | 110.00            | 255.50           | 121.00            | 319.50          | 130.50            | 412.50          | 139.50            |
| BRR6210-SMY-5 | 6GE-40Y           | 6         | 241.80           | 132.00            | 306.60           | 145.20            | 383.40          | 156.60            | 495.00          | 167.40            |
| BRR280-SMY-1  |                   | 2         | 92.40            | 51.20             | 116.40           | 56.00             | 145.20          | 60.60             | 186.60          | 64.60             |
| BRR3120-SMY-2 |                   | 3         | 138.60           | 76.80             | 174.60           | 84.00             | 217.80          | 90.90             | 279.90          | 96.90             |
| BRR4160-SMY-3 |                   | 4         | 184.80           | 102.40            | 232.80           | 112.00            | 290.40          | 121.20            | 373.20          | 129.20            |
| BRR5200-SMY-4 | 6FE-50Y           | 5         | 231.00           | 128.00            | 291.00           | 140.00            | 363.00          | 151.50            | 466.50          | 161.50            |
| BRR6240-SMY-5 |                   | 6         | 277.20           | 153.60            | 349.20           | 168.00            | 435.60          | 181.80            | 559.80          | 193.80            |
| BRR2100-SMY-1 |                   | 2         | 113.00           | 63.00             | 142.20           | 69.20             | 176.80          | 75.00             | 227.00          | 80.20             |
| BRR3150-SMY-2 |                   | 3         | 169.50           | 94.50             | 213.30           | 103.80            | 265.20          | 112.50            | 340.50          | 120.30            |
| BRR4200-SMY-3 |                   | 4         | 226.00           | 126.00            | 284.40           | 138.40            | 353.60          | 150.00            | 454.00          | 160.40            |
| BRR5250-SMY-4 |                   | 5         | 282.50           | 157.50            | 355.50           | 173.00            | 442.00          | 187.50            | 567.50          | 200.50            |
| BRR6300-SMY-5 |                   | 6         | 339.00           | 189.00            | 426.60           | 207.60            | 530.40          | 225.00            | 681.00          | 240.60            |

机组供电380V/3P/50Hz。名义制冷量及输入功率基于环境温度+38°C，冷凝温度+45°C，制冷剂R404A。  
Power supply: 380V/3P/50Hz.Nominal cooling capacity and input power are based on ambient temperature +38°C, condensing temperature +45°C and refrigerant R404A.  
如果机组需要运行于不同的蒸发温度或过高/过低的冷凝温度，请联系我们公司当地代表处。  
If the same rack system should be applied in different evaporating temperatures or condensing temperature is out the normal range, please contact our local representative office.  
所有的制冷量参数为均净有效值，在考虑了管路损失后仅需对系统加最多10%的余量。  
All capacities are net effective valve. If pipe lose is considered in the system, only add 10% capacity.

其他技术参数(R404A)

Other Technical Data (R404A)

中高温

MT&HT

| 型号<br>Model   | 匹数<br>HP | 最大工作电流<br>Max. Operating Current | 机组对外管路尺寸<br>Dimension (mm) |                    |                   | 标准支管路数量<br>No. of Branch Line Ball Valve |                    |                   | 电子低液位报警<br>Electronic Liquid Level Alarm | 通风量<br>Air Flow)<br>m3/h |
|---------------|----------|----------------------------------|----------------------------|--------------------|-------------------|------------------------------------------|--------------------|-------------------|------------------------------------------|--------------------------|
|               |          |                                  | 排气<br>Discharge Pipe       | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe | 排气<br>Discharge Pipe                     | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe |                                          |                          |
|               |          | A                                | mm                         | mm                 | mm                |                                          |                    |                   | 有Y/无N                                    |                          |
| BRR375-SMY-2  | 75       | 98                               | 54                         | 2*54               | 2*28              | 1                                        | 2                  | 2                 | N                                        | 7700                     |
| BRR4100-SMY-3 | 100      | 130                              | 54                         | 3*54               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 10300                    |
| BRR5125-SMY-4 | 125      | 163                              | 67                         | 4*54               | 4*28              | 1                                        | 4                  | 4                 | N                                        | 12900                    |
| BRR6150-SMY-5 | 150      | 196                              | 67                         | 5*54               | 5*28              | 1                                        | 5                  | 5                 | N                                        | 15400                    |
| BRR390-SMY-2  | 90       | 116                              | 54                         | 2*67               | 2*28              | 1                                        | 2                  | 2                 | N                                        | 8900                     |
| BRR4120-SMY-3 | 120      | 154                              | 67                         | 3*67               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 11900                    |
| BRR5150-SMY-4 | 150      | 193                              | 67                         | 4*54               | 4*28              | 1                                        | 4                  | 4                 | N                                        | 14900                    |
| BRR6180-SMY-5 | 180      | 231                              | 67                         | 5*54               | 5*28              | 1                                        | 5                  | 5                 | N                                        | 17900                    |
| BRR270-SMY-1  | 70       | 98                               | 54                         | 79                 | 42                | 1                                        | 1                  | 1                 | N                                        | 7700                     |
| BRR3105-SMY-2 | 105      | 147                              | 67                         | 2*79               | 2*35              | 1                                        | 2                  | 2                 | N                                        | 11600                    |
| BRR4140-SMY-3 | 140      | 196                              | 67                         | 3*67               | 3*35              | 1                                        | 3                  | 3                 | N                                        | 15500                    |
| BRR5175-SMY-4 | 175      | 245                              | 79                         | 4*67               | 4*35              | 1                                        | 4                  | 4                 | N                                        | 19400                    |
| BRR6210-SMY-5 | 210      | 293                              | 79                         | 5*67               | 5*28              | 1                                        | 5                  | 5                 | N                                        | 23200                    |
| BRR280-SMY-1  | 80       | 116                              | 54                         | 89                 | 42                | 1                                        | 1                  | 1                 | N                                        | 8800                     |
| BRR3120-SMY-2 | 120      | 174                              | 67                         | 2*79               | 2*35              | 1                                        | 2                  | 2                 | N                                        | 13300                    |
| BRR4160-SMY-3 | 160      | 232                              | 67                         | 3*79               | 3*35              | 1                                        | 3                  | 3                 | N                                        | 17700                    |
| BRR5200-SMY-4 | 200      | 291                              | 79                         | 4*67               | 4*35              | 1                                        | 4                  | 4                 | N                                        | 22200                    |
| BRR6240-SMY-5 | 240      | 349                              | 79                         | 5*67               | 5*35              | 1                                        | 5                  | 5                 | N                                        | 26600                    |
| BRR2100-SMY-1 | 100      | 157                              | 54                         | 108                | 54                | 1                                        | 1                  | 1                 | N                                        | 10700                    |
| BRR3150-SMY-2 | 150      | 235                              | 67                         | 2*89               | 2*42              | 1                                        | 2                  | 2                 | N                                        | 16100                    |
| BRR4200-SMY-3 | 200      | 314                              | 79                         | 3*79               | 3*35              | 1                                        | 3                  | 3                 | N                                        | 21500                    |
| BRR5250-SMY-4 | 250      | 392                              | 79                         | 4*79               | 4*35              | 1                                        | 4                  | 4                 | N                                        | 26900                    |
| BRR6300-SMY-5 | 300      | 470                              | 79                         | 5*79               | 5*35              | 1                                        | 5                  | 5                 | N                                        | 32300                    |

所有机组对外管路尺寸可根据客户需求定制。  
All pipe sizes of rack systems can be customized by customer's requirement, such as liquid pipe and suction pipe.  
所有标准机组 (R22) 预先充注矿物油，R404A机组预先充注聚酯油。  
All rack system using R22 should be charged mineral oil in advance, otherwise polyester.  
外形尺寸为标准，如果有特殊要求请联系我公司当地代表处。  
If you have special requirement for dimension, please contact local representative office of our company.



重型活塞并联机组-BRR系列 BRR Semi-Hermetic Rack

制冷量与输入功率 (R22)  
Capacity and Input Power (R22)

低温双级  
LT Two Stage

| 型号<br>Model | 压缩机<br>Compressor |           | 蒸发温度SET<br>-40°C |                   | 蒸发温度SET<br>-35°C |                   | 蒸发温度SET<br>-30°C |                   | 蒸发温度SET<br>-25°C |                   | 蒸发温度SET<br>-20°C |                   |
|-------------|-------------------|-----------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|
|             | 型号<br>Model       | 数量<br>Qty | 制冷量<br>Capacity  | 功率<br>Input Power | 制冷量<br>Capacity  | 功率<br>Input Power | 制冷量<br>Capacity  | 功率<br>Input Power | 制冷量<br>Capacity  | 功率<br>Input Power | 制冷量<br>Capacity  | 功率<br>Input Power |
| BRR336-TL   | S4G-12.2          | 3         | 19.53            | 20.67             | 25.77            | 23.04             | 32.79            | 25.38             | 40.74            | 27.75             | 49.71            | 30.12             |
| BRR348-TL   | S6J-16.2          | 3         | 29.43            | 27.51             | 38.76            | 31.74             | 48.96            | 35.91             | 60.30            | 40.05             | 72.90            | 44.19             |
| BRR360-TL   | S6H-20.2          | 3         | 34.11            | 31.89             | 44.94            | 36.78             | 56.76            | 41.61             | 69.90            | 46.41             | 84.60            | 51.21             |
| BRR390-TL   | S6F-30.2          | 3         | 46.86            | 43.80             | 61.80            | 50.52             | 78.00            | 57.15             | 96.00            | 63.60             | 116.10           | 70.20             |
| BRR480-TL   | S6H-20.2          | 4         | 45.48            | 42.52             | 59.92            | 49.04             | 75.68            | 55.48             | 93.20            | 61.88             | 112.80           | 68.28             |
| BRR4100-TL  | S6G-25.2          | 4         | 52.24            | 48.80             | 68.80            | 56.28             | 86.80            | 63.68             | 106.80           | 71.04             | 129.20           | 78.40             |
| BRR4120-TL  | S6F-30.2          | 4         | 62.48            | 58.40             | 82.40            | 67.36             | 104.00           | 76.20             | 128.00           | 84.80             | 154.80           | 93.60             |
| BRR5150-TL  | S6F-30.2          | 5         | 78.10            | 73.00             | 103.00           | 84.20             | 130.00           | 95.25             | 160.00           | 106.00            | 193.50           | 117.00            |
| BRR6180-TL  | S6F-30.2          | 6         | 93.72            | 87.60             | 123.60           | 101.04            | 156.00           | 114.30            | 192.00           | 127.20            | 232.20           | 140.40            |

机组供电380V/3P/50Hz。名义制冷量及输入功率基于环境温度+38°C，冷凝温度+45°C，制冷剂R22。  
Power supply: 380V/3P/50Hz.Nominal cooling capacity and input power are based on ambient temperature +38°C, condensing temperature +45°C and refrigerant R22.  
如果机组需要运行于不同的蒸发温度或过高/过低的冷凝温度，请联系我们当地代表处。  
If the same rack system should be applied in different evaporating temperatures or condensing temperature is out the normal range, please contact our local representative office.  
所有的制冷量参数为均净有效值，在考虑了管路损失后仅需对系统加最多10%的余量。  
All capacities are net effective valve. If pipe lose is considered in the system, only add 10% capacity.

其他技术参数 (R22)  
Other Technical Data (R22)

低温双级  
LT Two Stage

| 型号<br>Model | 匹数<br>HP | 最大工作电流<br>Max. Operating Current | 机组对外管路尺寸<br>Dimension (mm) |                    |                   | 标准支管路数量<br>No. of Branch Line Ball Valve |                    |                   | 电子低液位报警<br>Electronic Liquid Level Alarm | 通风量<br>Air Flow)<br>m3/h |
|-------------|----------|----------------------------------|----------------------------|--------------------|-------------------|------------------------------------------|--------------------|-------------------|------------------------------------------|--------------------------|
|             |          |                                  | 排气<br>Discharge Pipe       | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe | 排气<br>Discharge Pipe                     | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe |                                          |                          |
|             |          |                                  | A                          | mm                 | mm                | mm                                       | mm                 | mm                |                                          |                          |
| BRR336-TL   | 36       | 53                               | 35                         | 54                 | 22                | 1                                        | 1                  | 1                 | N                                        | 3000                     |
| BRR348-TL   | 48       | 73                               | 35                         | 67                 | 22                | 1                                        | 1                  | 1                 | N                                        | 4600                     |
| BRR360-TL   | 60       | 85                               | 35                         | 2*54               | 2*16              | 1                                        | 2                  | 2                 | N                                        | 5200                     |
| BRR390-TL   | 90       | 118                              | 42                         | 3*54               | 3*16              | 1                                        | 3                  | 3                 | N                                        | 7000                     |
| BRR480-TL   | 80       | 113                              | 42                         | 3*54               | 3*16              | 1                                        | 3                  | 3                 | N                                        | 7000                     |
| BRR4100-TL  | 100      | 130                              | 54                         | 3*54               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 8000                     |
| BRR4120-TL  | 120      | 158                              | 54                         | 3*67               | 3*22              | 1                                        | 3                  | 3                 | N                                        | 9600                     |
| BRR5150-TL  | 150      | 197                              | 54                         | 4*67               | 4*22              | 1                                        | 4                  | 4                 | N                                        | 12000                    |
| BRR6180-TL  | 180      | 236                              | 54                         | 5*67               | 5*22              | 1                                        | 5                  | 5                 | N                                        | 14400                    |

所有机组对外管路尺寸可根据客户需求定制。  
All pipe sizes of rack systems can be customized by customer's requirement, such as liquid pipe and suction pipe.  
所有标准机组（R22）预先充注矿物油，R404A机组预先充注聚酯油。  
All rack system using R22 should be charged mineral oil in advance, otherwise polyester.  
外形尺寸为标准，如果有特殊要求请联系我公司当地代表处。  
If you have special requirement for dimension, please contact local representative office of our company.  
机组对外管路数据为标准支路规格。  
The date of pipe is branch line.



制冷量与输入功率 (R404A)  
Capacity and Input Power (R404A)

低温双级  
LT Two Stage

| 型号<br>Model | 压缩机<br>Compressor |           | 蒸发温度SET<br>-40℃ |                   | 蒸发温度SET<br>-35℃ |                   | 蒸发温度SET<br>-30℃ |                   | 蒸发温度SET<br>-25℃ |                   | 蒸发温度SET<br>-20℃ |                   |
|-------------|-------------------|-----------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|
|             | 型号<br>Model       | 数量<br>Qty | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power | 制冷量<br>Capacity | 功率<br>Input Power |
| BRR336-TLY  | S4G-12.2Y         | 3         | 24.78           | 24.00             | 30.78           | 26.88             | 37.62           | 29.70             | 45.33           | 32.46             | 53.94           | 35.10             |
| BRR348-TLY  | S6J-16.2Y         | 3         | 34.92           | 33.63             | 43.14           | 37.68             | 52.44           | 41.88             | 63.00           | 46.26             | 74.40           | 50.82             |
| BRR360-TLY  | S6H-20.2Y         | 3         | 40.29           | 38.97             | 49.74           | 43.65             | 60.30           | 48.51             | 72.30           | 53.55             | 85.80           | 58.80             |
| BRR390-TLY  | S6F-30.2Y         | 3         | 54.60           | 53.55             | 67.20           | 59.94             | 81.60           | 66.60             | 97.50           | 73.20             | 115.50          | 79.80             |
| BRR480-TLY  | S6H-20.2Y         | 4         | 53.72           | 51.96             | 66.32           | 58.20             | 80.40           | 64.68             | 96.40           | 71.40             | 114.40          | 78.40             |
| BRR4100-TLY | S6G-25.2Y         | 4         | 61.36           | 59.68             | 75.68           | 66.80             | 92.00           | 74.24             | 110.00          | 82.00             | 130.40          | 90.00             |
| BRR4120-TLY | S6F-30.2Y         | 4         | 72.80           | 71.40             | 89.60           | 79.92             | 108.80          | 88.80             | 130.00          | 97.60             | 154.00          | 106.40            |
| BRR5150-TLY | S6F-30.2Y         | 5         | 91.00           | 89.25             | 112.00          | 99.90             | 136.00          | 111.00            | 162.50          | 122.00            | 192.50          | 133.00            |
| BRR6180-TLY | S6F-30.2Y         | 6         | 109.20          | 107.10            | 134.40          | 119.88            | 163.20          | 133.20            | 195.00          | 146.40            | 231.00          | 159.60            |

机组供电380V/3P/50Hz。名义制冷量及输入功率基于环境温度+38℃，冷凝温度+45℃，制冷剂R404A。  
Power supply: 380V/3P/50Hz.Nominal cooling capacity and input power are based on ambient temperature +38℃, condensing temperature +45℃ and refrigerant R404A.  
如果机组需要运行于不同的蒸发温度或过高/过低的冷凝温度，请联系我们当地代表处。  
If the same rack system should be applied in different evaporating temperatures or condensing temperature is out the normal range, please contact our local representative office.  
所有的制冷量参数为均净有效值，在考虑了管路损失后仅需对系统加最多10%的余量。  
All capacities are net effective valve. If pipe lose is considered in the system, only add 10% capacity.

其他技术参数(R404A)  
Other Technical Data (R404A)

低温双级  
LT Two Stage

| 型号<br>Model | 匹数<br>HP | 最大工作电流<br>Max. Operating Current | 机组对外管路尺寸<br>Dimension (mm) |                    |                   | 标准支管路数量<br>No. of Branch Line Ball Valve |                    |                   | 电子低液位报警<br>Electronic Liquid Level Alarm | 通风量<br>Air Flow)<br>m3/h |
|-------------|----------|----------------------------------|----------------------------|--------------------|-------------------|------------------------------------------|--------------------|-------------------|------------------------------------------|--------------------------|
|             |          |                                  | 排气<br>Discharge Pipe       | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe | 排气<br>Discharge Pipe                     | 吸气<br>Suction Pipe | 供液<br>Liquid Pipe |                                          |                          |
|             |          | A                                | mm                         | mm                 | mm                |                                          |                    |                   | 有Y/无N                                    |                          |
| BRR336-TLY  | 36       | 59                               | 35                         | 67                 | 35                | 1                                        | 1                  | 1                 | N                                        | 3000                     |
| BRR348-TLY  | 48       | 83                               | 42                         | 79                 | 35                | 1                                        | 1                  | 1                 | N                                        | 4600                     |
| BRR360-TLY  | 60       | 95                               | 42                         | 2*67               | 2*28              | 1                                        | 2                  | 2                 | N                                        | 5200                     |
| BRR390-TLY  | 90       | 131                              | 54                         | 2*67               | 2*35              | 1                                        | 3                  | 3                 | N                                        | 7000                     |
| BRR480-TLY  | 80       | 127                              | 54                         | 3*54               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 7000                     |
| BRR4100-TLY | 100      | 147                              | 54                         | 3*54               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 8000                     |
| BRR4120-TLY | 120      | 175                              | 54                         | 3*67               | 3*28              | 1                                        | 3                  | 3                 | N                                        | 9600                     |
| BRR5150-TLY | 150      | 219                              | 67                         | 4*67               | 4*28              | 1                                        | 4                  | 4                 | N                                        | 12000                    |
| BRR6180-TLY | 180      | 263                              | 67                         | 5*67               | 5*28              | 1                                        | 5                  | 5                 | N                                        | 14400                    |

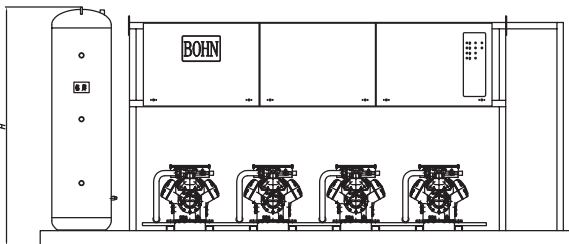
所有机组对外管路尺寸可根据客户需求定制。  
All pipe sizes of rack systems can be customized by customer's requirement, such as liquid pipe and suction pipe.  
所有标准机组（R22）预先充注矿物油，R404A机组预先充注聚酯油。  
All rack system using R22 should be charged mineral oil in advance, otherwise polyester.  
外形尺寸为标准，如果有特殊要求请联系我公司当地代表处。  
If you have special requirement for dimension, please contact local representative office of our company.  
机组对外管路数据为标准支路规格。  
The date of pipe is branch line.

重型活塞并联机组-BRR系列 BRR Semi-Hermetic Rack

尺寸参数

Dimension

| 型号<br>Model   | 外形尺寸 Dimension (mm) |      |      |               |
|---------------|---------------------|------|------|---------------|
|               | 长(L)                | 宽(W) | 高(H) | 重量 Weight(kg) |
| BRR375-SM-2   | 3105                | 1200 | 1770 | 2000          |
| BRR4100-SM-3  | 3755                | 1200 | 1770 | 2000          |
| BRR5125-SM-4  | 4415                | 1200 | 1940 | 2400          |
| BRR6150-SM-5  | 5065                | 1200 | 1940 | 3000          |
| BRR390-SM-2   | 3105                | 1200 | 1770 | 2000          |
| BRR4120-SM-3  | 3755                | 1200 | 1770 | 2000          |
| BRR5150-SM-4  | 4415                | 1200 | 1940 | 2400          |
| BRR6180-SM-5  | 5065                | 1200 | 1940 | 3000          |
| BRR270-SM-1   | 2455                | 1200 | 1770 | 1600          |
| BRR3105-SM-2  | 3105                | 1200 | 1825 | 2000          |
| BRR4140-SM-3  | 3765                | 1200 | 1940 | 2350          |
| BRR5175-SM-4  | 4755                | 1200 | 1770 | 3000          |
| BRR6210-SM-5  | 5405                | 1200 | 1990 | 2800          |
| BRR280-SM-1   | 2455                | 1200 | 1770 | 1600          |
| BRR3120-SM-2  | 3115                | 1200 | 1940 | 2000          |
| BRR4160-SM-3  | 3765                | 1200 | 1990 | 2350          |
| BRR5200-SM-4  | 4755                | 1200 | 1990 | 3000          |
| BRR6240-SM-5  | 5405                | 1200 | 1990 | 2800          |
| BRR2100-SM-1  | 2455                | 1200 | 1770 | 1600          |
| BRR3150-SM-2  | 3115                | 1200 | 1940 | 2000          |
| BRR4200-SM-3  | 4105                | 1200 | 1990 | 2350          |
| BRR5250-SM-4  | 4805                | 1200 | 1990 | 3000          |
| BRR6300-SM-5  | 5455                | 1200 | 1990 | 2800          |
| BRR354-SL-A2  | 3105                | 1200 | 1770 | 2000          |
| BRR472-SL-A3  | 3750                | 1200 | 1770 | 2350          |
| BRR590-SL-A4  | 4405                | 1200 | 1770 | 3000          |
| BRR6108-SL-A5 | 5055                | 1200 | 1770 | 3000          |
| BRR369-SL-A2  | 3100                | 1200 | 1770 | 2000          |
| BRR492-SL-A3  | 3750                | 1200 | 1770 | 2400          |
| BRR5115-SL-A4 | 4405                | 1200 | 1770 | 2400          |
| BRR6138-SL-A5 | 5055                | 1200 | 1770 | 3000          |
| BRR256-SL-A1  | 2455                | 1200 | 1770 | 1600          |
| BRR384-SL-A2  | 3100                | 1200 | 1770 | 2000          |
| BRR4112-SL-A3 | 3755                | 1200 | 1770 | 2000          |
| BRR5140-SL-A4 | 4405                | 1400 | 1770 | 2400          |
| BRR6168-SL-A5 | 5065                | 1400 | 1770 | 3000          |
| BRR268-SL-A1  | 2455                | 1200 | 1755 | 1600          |
| BRR3102-SL-A2 | 3105                | 1200 | 1770 | 1600          |
| BRR4136-SL-A3 | 3755                | 1200 | 1770 | 2000          |
| BRR5170-SL-A4 | 4415                | 1400 | 1940 | 2400          |
| BRR6204-SL-A5 | 5065                | 1400 | 1940 | 3000          |
| BRR288-SL-A1  | 2450                | 1200 | 1755 | 1600          |
| BRR3132-SL-A2 | 3105                | 1200 | 1825 | 2000          |
| BRR4176-SL-A3 | 3755                | 1400 | 1770 | 2350          |
| BRR5220-SL-A4 | 4415                | 1400 | 1940 | 3000          |
| BRR6264-SL-A5 | 5065                | 1400 | 1940 | 2800          |
| BRR336-TL     | 3700                | 1200 | 1800 | 1400          |
| BRR348-TL     | 3700                | 1200 | 1800 | 1500          |
| BRR360-TL     | 3700                | 1200 | 1800 | 1550          |
| BRR390-TL     | 3700                | 1200 | 1800 | 1600          |
| BRR480-TL     | 4450                | 1200 | 1800 | 1950          |
| BRR4100-TL    | 4450                | 1300 | 1800 | 2000          |
| BRR4120-TL    | 4450                | 1200 | 1800 | 2000          |
| BRR5150-TL    | 5250                | 1300 | 1950 | 2500          |
| BRR6180-TL    | 5950                | 1400 | 1850 | 2850          |



尺寸参数

Dimension

| 型号<br>Model    | 外形尺寸 Dimension (mm) |      |      |               |
|----------------|---------------------|------|------|---------------|
|                | 长(L)                | 宽(W) | 高(H) | 重量 Weight(kg) |
| BRR354-SLY-A2  | 3105                | 1200 | 1760 | 2000          |
| BRR472-SLY-A3  | 3750                | 1200 | 1700 | 2350          |
| BRR590-SLY-A4  | 4405                | 1200 | 1770 | 3000          |
| BRR6108-SLY-A5 | 5065                | 1200 | 1940 | 3000          |
| BRR369-SLY-A2  | 3105                | 1200 | 1770 | 2000          |
| BRR492-SLY-A3  | 3750                | 1200 | 1770 | 2400          |
| BRR5115-SLY-A4 | 4415                | 1200 | 1940 | 2400          |
| BRR6138-SLY-A5 | 5065                | 1200 | 1940 | 3000          |
| BRR256-SLY-A1  | 2450                | 1200 | 1755 | 1600          |
| BRR384-SLY-A2  | 3105                | 1200 | 1770 | 2000          |
| BRR4112-SLY-A3 | 3755                | 1200 | 1770 | 2000          |
| BRR5140-SLY-A4 | 4415                | 1400 | 1940 | 2400          |
| BRR6168-SLY-A5 | 5405                | 1400 | 1770 | 3000          |
| BRR268-SLY-A1  | 2450                | 1200 | 1770 | 1600          |
| BRR3102-SLY-A2 | 3105                | 1200 | 1770 | 1600          |
| BRR4136-SLY-A3 | 3755                | 1200 | 1940 | 2000          |
| BRR5170-SLY-A4 | 4415                | 1400 | 1940 | 3000          |
| BRR6204-SLY-A5 | 5405                | 1400 | 1770 | 3200          |
| BRR288-SLY-A1  | 2455                | 1200 | 1770 | 1600          |
| BRR3132-SLY-A2 | 3105                | 1200 | 1940 | 2000          |
| BRR4176-SLY-A3 | 3755                | 1400 | 1940 | 2350          |
| BRR5220-SLY-A4 | 4750                | 1400 | 1770 | 3000          |
| BRR6264-SLY-A5 | 5405                | 1400 | 1910 | 2800          |
| BRR375-SMY-2   | 3105                | 1200 | 1770 | 2000          |
| BRR4100-SMY-3  | 3765                | 1200 | 1940 | 2000          |
| BRR5125-SMY-4  | 4415                | 1200 | 1940 | 2400          |
| BRR6150-SMY-5  | 5405                | 1200 | 1770 | 3000          |
| BRR390-SMY-2   | 3115                | 1200 | 1940 | 2000          |
| BRR4120-SMY-3  | 3765                | 1200 | 1940 | 2000          |
| BRR5150-SMY-4  | 4750                | 1200 | 1770 | 2400          |
| BRR6180-SMY-5  | 5405                | 1200 | 1910 | 3000          |
| BRR270-SMY-1   | 2455                | 1200 | 1770 | 1600          |
| BRR3105-SMY-2  | 3115                | 1200 | 1940 | 2000          |
| BRR4140-SMY-3  | 4100                | 1200 | 1770 | 2350          |
| BRR5175-SMY-4  | 4805                | 1200 | 1990 | 3000          |
| BRR6210-SMY-5  | 5405                | 1200 | 1990 | 2800          |
| BRR280-SMY-1   | 2455                | 1200 | 1770 | 1600          |
| BRR3120-SMY-2  | 3115                | 1200 | 1940 | 2000          |
| BRR4160-SMY-3  | 4100                | 1200 | 1910 | 2350          |
| BRR5200-SMY-4  | 4805                | 1200 | 1990 | 3000          |
| BRR6240-SMY-5  | 5405                | 1200 | 1990 | 2800          |
| BRR2100-SMY-1  | 2465                | 1200 | 1940 | 1600          |
| BRR3150-SMY-2  | 3450                | 1200 | 1810 | 2000          |
| BRR4200-SMY-3  | 4155                | 1200 | 1990 | 2350          |
| BRR5250-SMY-4  | 4750                | 1200 | 1990 | 3000          |
| BRR6300-SMY-5  | 5550                | 1200 | 1990 | 3600          |
| BRR336-TLY     | 3700                | 1200 | 1800 | 1400          |
| BRR348-TLY     | 3700                | 1200 | 1800 | 1500          |
| BRR360-TLY     | 3700                | 1200 | 1800 | 1550          |
| BRR390-TLY     | 3700                | 1200 | 1800 | 1600          |
| BRR480-TLY     | 4450                | 1200 | 1800 | 1950          |
| BRR4100-TLY    | 4450                | 1400 | 1800 | 2000          |
| BRR4120-TLY    | 4450                | 1400 | 1800 | 2000          |
| BRR5150-TLY    | 5250                | 1400 | 1800 | 2500          |
| BRR6180-TLY    | 5950                | 1400 | 1800 | 2850          |

