

# 涡旋并联机组

## BRN系列

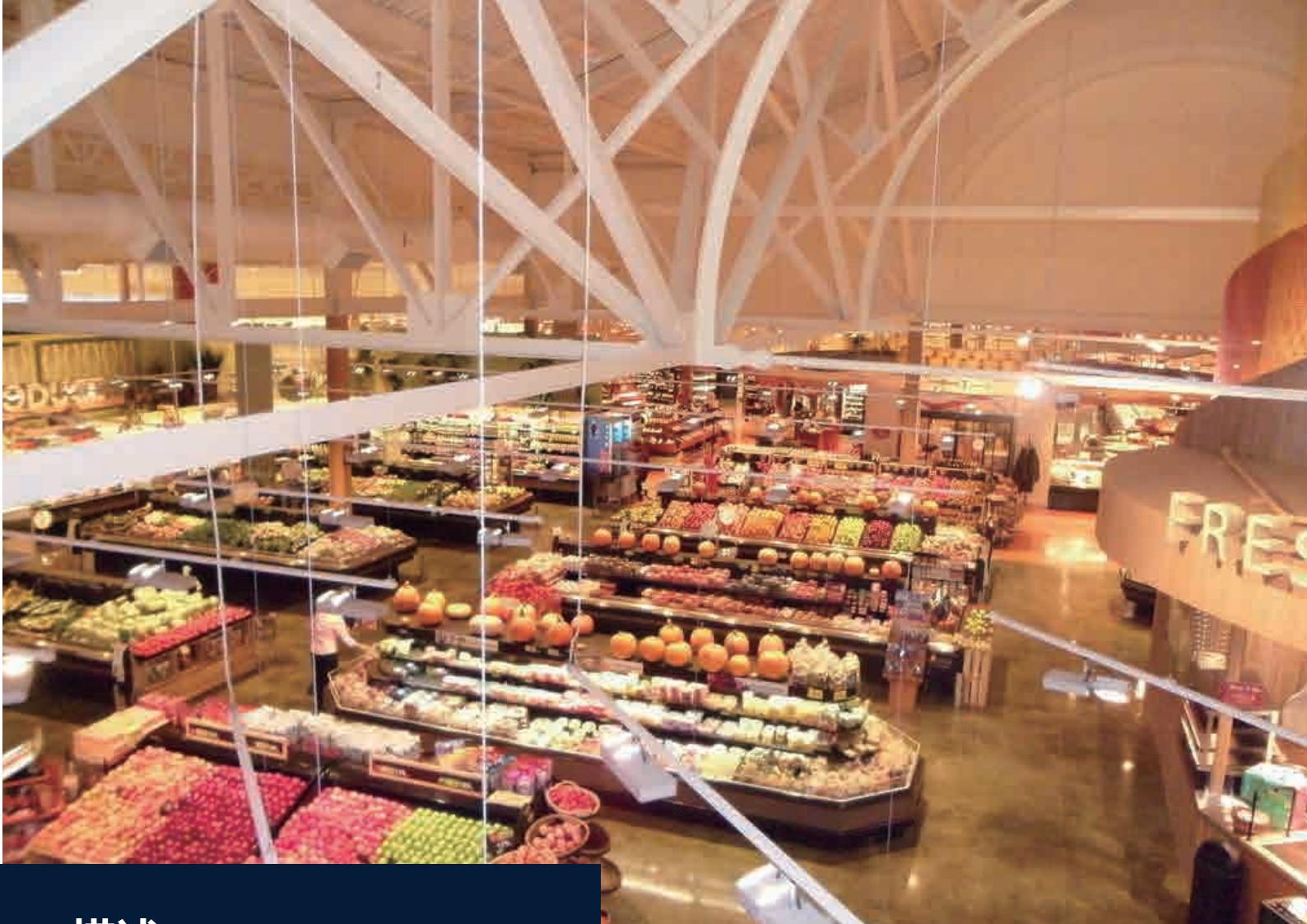


中温 12 40 HP  
低温 10 40 HP



**BEIJER REF**

Scroll Rack  
BRN Series



## 描述 Description

### 稳定可靠

Stable and reliable

- 高品质知名品牌核心部件，并经过严格的资格审查。
- High quality and famous key parts with strict supplier audit.
- 配置电子式油位控制器，保证机组回油稳定性。
- Standard configured electric oil level switch to ensure the stability of the unit return oil.
- 机组中某台压缩机在维护或出现故障时，其他压缩机可继续正常工作，保证应用不受影响。
- If one compressor has broken, other compressors also can work continually.

### 结构紧凑灵活

Structure compact and flexible

- 多台压缩机共用油分离器、冷凝器、储液器和控制系统等。
- Share oil separator, condenser, liquid receiver and control system.
- 使用带储油功能的油分离器，管路结构更紧凑。
- Unify configured oil separator with storage function which can make pipeline structure more compact.
- 水冷冷凝器与储液器一体化的设计使结构更紧凑。
- Unify water cooled condenser and liquid receiver to make the structure compact.
- 模块化设计，优化各部件的排布空间，考虑到维修便捷性的同时机组设计更紧凑。
- Modular design which can optimize the arrangement of parts, taking both convenience of the maintenance and compact design into consideration.

### 高效节能

High efficiency and saving energy

- 采用高品质、高能效涡旋压缩机，极大的减少了能耗，降低运行费用。
- Design with high quality and efficient scroll compressor, greatly reducing the energy consumption and the running cost.

- 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.

- 精准的管路设计，把管路压力损失降低到最小，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.

- 可配比不等匹数压缩机和数码涡旋压缩机提供更多的调节级数，冷量输出更加平滑的动态匹配实际负荷。
- Using different compressors and digital scroll rack in the same system and balance dynamic cooling capacity output.

# 市场范围 Market Segments



## 命名规则 Nomenclature

涡旋并联机组  
SCROLL RACK

**B<sub>(1)</sub>R<sub>(2)</sub>N<sub>(3)</sub>2<sub>(4)</sub>12<sub>(5)</sub>M<sub>(6)</sub>Z2<sub>(7)</sub>W<sub>(8)</sub>-XXX<sub>(9)</sub>**

(1) 品牌	(1)Beijer Ref
(2) R:并联机组	(2)R:Rack
(3) N:系列名	(3)N:Series Name
(4) 2:压缩机数量	(4)2:Compressor No.
(5) 12:总匹数	(5)12:Total HP
(6) M:中温	(6)M:Medium Temp
L:低温	L:Low Temp
(7) Z2:压缩机代码	(7)Z2:Compressor Code.
(8) W:水冷系列	(8)W:Water Cooled Series
A:风冷系列	A: Air Cooled Series
(9) 选项	(9)Options
C:冷凝压力调节	C:Condensing Pressure Regulating
D:380V/3Ph/50Hz,J:230V/3Ph/60Hz	D:380V/3Ph/50Hz, J:230V/3Ph/60Hz
F:冷凝风扇控制	F:Condenser Fan Control
G:汽分	G:Suction Accumulator
L:低液位报警	L:Low Liquid Level Alarm
N:可定制支路	N:Customized Branches
P:可编程控制器+触摸屏	P:PLC+Touch Screen
Y:聚酯油,空白: 矿物油	Y:Polyester,Blank:Mineral Oil

# 涡旋并联机组 Scroll Rack

## 制冷量与输入功率(R404A)

Capacity and Input Power (R404A)

中温

MT

型号 Model	制冷量 Capacity(kW)				功率 Input Power(kW)			
	蒸发温度 SET(°C)				蒸发温度 SET(°C)			
	-15	-10	-5	0	-15	-10	-5	0
BRN212MZ2A-DY	16.6	20.1	24.2	28.8	9.5	9.5	9.5	9.4
BRN216MZ2A-DY	21.5	26.6	32.1	38.3	12.6	12.6	12.7	12.8
BRN220MZ2A-DY	29.2	35.5	42.8	50.8	16.3	16.4	16.6	16.7
BRN324MZ2A-DY	32.3	39.9	48.2	57.5	19.0	19.0	19.1	19.2
BRN330MZ2A-DY	43.8	53.3	64.2	76.2	24.5	24.7	24.9	25.1
BRN436MZ2A-DY	49.6	60.0	71.8	85.2	28.1	28.2	28.4	28.6
BRN440MZ2A-DY	58.4	71.0	85.6	101.6	32.6	32.9	33.2	33.4

## 其他技术参数(R404A)

Other Technical Data (R404A)

中温

MT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve			
				A	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BRN212MZ2A-DY	12	2	24		22	35	22	1	1	1
BRN216MZ2A-DY	16	2	30		28	42	22	1	1	1
BRN220MZ2A-DY	20	2	39		28	42	28	1	1	1
BRN324MZ2A-DY	24	3	46		35	54	28	1	1	1
BRN330MZ2A-DY	30	3	59		35	54	35	1	1	1
BRN436MZ2A-DY	36	4	68		42	65	35	1	1	1
BRN440MZ2A-DY	40	4	78		42	65	42	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C，制冷剂R404A。

Nominal cooling capacity and input power are based on 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 value. If pipe loss is considered in the system, only add 10% capacity.

R404A

R22

风冷

Air cooled

## 制冷量与输入功率(R22)

Capacity and Input Power (R22)

中温

MT

型号 Model	制冷量 Capacity(kW)				功率 Input Power(kW)			
	蒸发温度 SET(°C)				蒸发温度 SET(°C)			
	-10	-7	-5	0	-10	-7	-5	0
BRN212MZ2A-D	19.4	21.8	23.6	28.3	8.4	8.4	8.4	8.5
BRN216MZ2A-D	24.2	27.8	30.3	37.1	10.9	10.9	10.9	10.9
BRN220MZ2A-D	33.8	38.2	41.2	49.8	14.1	14.2	14.3	14.4
BRN324MZ2A-D	36.3	41.7	45.5	55.7	16.4	16.4	16.4	16.4
BRN330MZ2A-D	50.7	57.3	61.8	74.7	21.2	21.3	21.4	21.5
BRN436MZ2A-D	57.4	64.8	70.0	84.4	24.0	24.0	24.1	24.3
BRN440MZ2A-D	67.6	76.4	82.4	99.6	28.3	28.4	28.5	28.7

## 其他技术参数(R22)

Other Technical Data (R22)

中温

MT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve			
				A	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BRN212MZ2A-D	12	2	21		22	35	22	1	1	1
BRN216MZ2A-D	16	2	30		28	42	22	1	1	1
BRN220MZ2A-D	20	2	38		28	42	28	1	1	1
BRN324MZ2A-D	24	3	44		35	54	28	1	1	1
BRN330MZ2A-D	30	3	57		35	54	35	1	1	1
BRN436MZ2A-D	36	4	64		42	65	35	1	1	1
BRN440MZ2A-D	40	4	76		42	65	42	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C，制冷剂R22。

Nominal cooling capacity and input power are based on 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 value. If pipe loss is considered in the system, only add 10% capacity.

# 涡旋并联机组 Scroll Rack

## 制冷量与输入功率(R404A)

Capacity and Input Power (R404A)

低温

LT

型号 Model	制冷量 Capacity(kW)					功率 Input Power(kW)				
	蒸发温度 SET(°C)					蒸发温度 SET(°C)				
	-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
BRN210LZ2A-DY	2.9	6.0	7.5	9.2	11.2	3.6	6.2	6.5	6.8	7.1
BRN212LZ2A-DY	3.7	7.3	9.1	11.1	13.5	4.4	7.4	7.7	8.0	8.3
BRN315LZ2A-DY	4.4	9.0	11.3	13.8	16.9	5.4	9.3	9.8	10.2	10.7
BRN318LZ2A-DY	5.6	11.0	13.6	16.7	20.2	6.6	11.1	11.5	11.9	12.4
BRN420LZ2A-DY	5.8	12.0	15.0	18.4	22.5	7.2	12.4	13.0	13.6	14.2
BRN424LZ2A-DY	7.4	14.7	18.2	22.2	26.9	8.8	14.8	15.4	15.9	16.6
BRN330LZ2A-DY	17.2	17.6	22.0	27.1	32.9	18.4	16.2	17.2	18.1	19.1
BRN339LZ2A-DY	22.2	22.6	28.0	34.2	41.3	23.3	20.6	21.8	23.0	24.3
BRN440LZ2A-DY	22.9	23.4	29.4	36.1	43.8	24.5	21.6	22.9	24.2	25.4

## 其他技术参数(R404A)

Other Technical Data (R404A)

低温

LT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve		
				A	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe
BRN210LZ2A-DY	10	2	18	16	35	16	1	1	1
BRN212LZ2A-DY	12	2	20	16	35	16	1	1	1
BRN315LZ2A-DY	15	3	26	22	42	22	1	1	1
BRN318LZ2A-DY	18	3	30	22	42	22	1	1	1
BRN420LZ2A-DY	20	4	35	28	42	22	1	1	1
BRN424LZ2A-DY	24	4	40	28	42	22	1	1	1
BRN330LZ2A-DY	30	3	51	35	54	28	1	1	1
BRN339LZ2A-DY	39	3	65	35	54	28	1	1	1
BRN440LZ2A-DY	40	4	68	35	65	28	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C，制冷剂R404A。

Nominal cooling capacity and input power are based on 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 value. If pipe lose is considered in the system, only add 10% capacity.

## 制冷量与输入功率(R22)

Capacity and Input Power (R22)

低温

LT

型号 Model	制冷量 Capacity(kW)					功率 Input Power(kW)				
	蒸发温度 SET(°C)					蒸发温度 SET(°C)				
	-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
BRN210LZ2A-D	4.9	6.2	7.7	9.5	11.6	6.2	6.4	6.6	6.8	7.0
BRN212LZ2A-D	5.6	7.2	9.0	11.2	13.8	8.0	8.1	8.3	8.5	8.7
BRN315LZ2A-D	7.3	9.2	11.6	14.3	17.5	9.4	9.6	9.9	10.2	10.6
BRN318LZ2A-D	8.4	10.7	13.5	16.8	20.6	12.0	12.2	12.4	12.7	13.1
BRN420LZ2A-D	9.8	12.3	15.4	19.0	23.3	12.5	12.8	13.2	13.6	14.1
BRN424LZ2A-D	11.2	14.3	18.0	22.4	27.5	16.0	16.2	16.6	17.0	17.4
BRN330LZ2A-D	13.4	17.5	22.2	27.7	34.2	15.9	16.8	17.7	18.5	19.4
BRN339LZ2A-D	16.2	20.9	26.3	32.6	39.9	19.5	20.6	21.7	22.7	23.8
BRN440LZ2A-D	17.9	23.3	29.6	36.9	45.6	21.2	22.4	23.6	24.7	25.8

## 其他技术参数(R22)

Other Technical Data of (R22)

低温

LT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve		
				排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
A	mm	mm	mm						
BRN210LZ2A-D	10	2	18	16	35	16	1	1	1
BRN212LZ2A-D	12	2	20	16	35	16	1	1	1
BRN315LZ2A-D	15	3	26	22	42	22	1	1	1
BRN318LZ2A-D	18	3	30	22	42	22	1	1	1
BRN420LZ2A-D	20	4	35	28	42	22	1	1	1
BRN424LZ2A-D	24	4	40	28	42	22	1	1	1
BRN330LZ2A-D	30	3	51	35	54	28	1	1	1
BRN339LZ2A-D	39	3	65	35	54	28	1	1	1
BRN440LZ2A-D	40	4	68	35	65	28	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C, 制冷剂R404A。

Nominal cooling capacity and input power are based on 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 value. If pipe lose is considered in the system, only add 10% capacity.

# 涡旋并联机组 Scroll Rack

## 制冷量与输入功率(R404A)

Capacity and Input Power (R404A)

中温

MT

型号 Model	制冷量 Capacity(kW)				功率 Input Power(kW)			
	蒸发温度 SET(°C)				蒸发温度 SET(°C)			
	-15	-10	-5	0	-15	-10	-5	0
BRN212MZ2W-DY	18.1	21.9	26.3	31.4	8.5	8.5	8.4	8.4
BRN216MZ2W-DY	23.6	28.9	34.8	41.6	11.3	11.3	11.4	11.5
BRN220MZ2W-DY	31.8	38.6	46.4	55.2	14.6	14.8	15.0	15.1
BRN324MZ2W-DY	35.4	43.4	52.2	62.4	16.9	17.0	17.2	17.3
BRN330MZ2W-DY	47.7	57.9	69.6	82.8	21.9	22.2	22.4	22.7
BRN436MZ2W-DY	54.0	65.2	78.2	92.8	25.2	25.4	25.6	25.8
BRN440MZ2W-DY	63.6	77.2	92.8	110.4	29.2	29.6	29.9	30.2

## 其他技术参数(R404A)

Other Technical Data (R404A)

中温

MT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve		
				进/出水 Water Inlet/Outlet Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
				A	mm	mm			
BRN212MZ2W-DY	12	2	24	法兰DN32	35	22	1	1	1
BRN216MZ2W-DY	16	2	30	法兰DN40	42	22	1	1	1
BRN220MZ2W-DY	20	2	39	法兰DN40	42	28	1	1	1
BRN324MZ2W-DY	24	3	46	法兰DN50	54	28	1	1	1
BRN330MZ2W-DY	30	3	59	法兰DN50	54	35	1	1	1
BRN436MZ2W-DY	36	4	68	法兰DN65	65	35	1	1	1
BRN440MZ2W-DY	40	4	78	法兰DN65	65	42	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+40°C，制冷剂R404A。

Nominal cooling capacity and input power are based on condensing temperature +40°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 value. If pipe lose is considered in the system, only add 10% capacity.

R404A

R22

水冷

water cooled

## 制冷量与输入功率(R22)

Capacity and Input Power (R22)

中温

MT

型号 Model	制冷量 Capacity(kW)				功率 Input Power(kW)			
	蒸发温度 SET(°C)				蒸发温度 SET(°C)			
	-10	-7	-5	0	-10	-7	-5	0
BRN212MZ2W-D	20.5	23.1	24.9	30.0	7.5	7.5	7.5	7.6
BRN216MZ2W-D	25.9	29.6	32.2	39.2	9.8	9.8	9.8	9.8
BRN220MZ2W-D	35.6	40.2	43.4	52.4	12.6	12.7	12.7	12.8
BRN324MZ2W-D	38.9	44.4	48.3	58.8	14.6	14.6	14.6	14.7
BRN330MZ2W-D	53.4	60.3	65.1	78.6	18.9	19.0	19.1	19.3
BRN436MZ2W-D	60.4	68.2	73.8	88.8	21.4	21.6	21.6	21.9
BRN440MZ2W-D	71.2	80.4	86.8	104.8	25.2	25.4	25.4	25.7

## 其他技术参数(R22)

Other Technical Data (R22)

中温

MT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve		
				进/出水 Water Inlet/Outlet Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
				mm	mm				
BRN212MZ2W-D	12	2	21	法兰DN32	35	22	1	1	1
BRN216MZ2W-D	16	2	30	法兰DN40	42	22	1	1	1
BRN220MZ2W-D	20	2	38	法兰DN40	42	28	1	1	1
BRN324MZ2W-D	24	3	44	法兰DN50	54	28	1	1	1
BRN330MZ2W-D	30	3	57	法兰DN50	54	35	1	1	1
BRN436MZ2W-D	36	4	64	法兰DN65	65	35	1	1	1
BRN440MZ2W-D	40	4	76	法兰DN65	65	42	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+40°C, 制冷剂R22。

Nominal cooling capacity and input power are based on condensing temperature +40°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 value. If pipe loss is considered in the system, only add 10% capacity.

# 涡旋并联机组 Scroll Rack

## 制冷量与输入功率(R404A)

Capacity and Input Power (R404A)

低温

LT

型号 Model	制冷量 Capacity(kW)					功率 Input Power(kW)				
	蒸发温度 SET(°C)					蒸发温度 SET(°C)				
	-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
BRN210LZ2W-DY	5.1	6.5	8.2	10.1	12.3	5.4	5.6	5.9	6.2	6.5
BRN212LZ2W-DY	6.3	8.0	9.9	12.1	14.7	6.6	6.8	7.1	7.3	7.7
BRN315LZ2W-DY	7.6	9.8	12.2	15.2	18.5	8.0	8.5	8.9	9.3	9.7
BRN318LZ2W-DY	9.4	11.9	14.8	18.1	22.0	9.9	10.2	10.6	11.0	11.5
BRN420LZ2W-DY	10.1	13.0	16.3	20.2	24.7	10.7	11.3	11.8	12.4	13.0
BRN424LZ2W-DY	12.6	15.9	19.7	24.2	29.4	13.2	13.6	14.1	14.7	15.3
BRN330LZ2W-DY	14.8	19.1	23.9	29.5	35.9	14.1	15.0	15.8	16.7	17.6
BRN339LZ2W-DY	19.2	24.5	30.3	37.1	45.0	17.9	19.0	20.2	21.4	22.6
BRN440LZ2W-DY	19.7	25.4	31.9	39.3	47.8	18.8	20.0	21.1	22.3	23.5

## 其他技术参数(R404A)

Other Technical Data (R404A)

低温

LT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve		
				进/出水 Water Inlet/Outlet Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
				mm	mm				
BRN210LZ2W-DY	10	2	18	G1"	35	16	1	1	1
BRN212LZ2W-DY	12	2	20	法兰DN32	35	16	1	1	1
BRN315LZ2W-DY	15	3	26	法兰DN32	42	22	1	1	1
BRN318LZ2W-DY	18	3	30	法兰DN32	42	22	1	1	1
BRN420LZ2W-DY	20	4	35	法兰DN32	42	22	1	1	1
BRN424LZ2W-DY	24	4	40	法兰DN40	42	22	1	1	1
BRN330LZ2W-DY	30	3	51	法兰DN40	54	28	1	1	1
BRN339LZ2W-DY	39	3	65	法兰DN50	54	28	1	1	1
BRN440LZ2W-DY	40	4	68	法兰DN50	65	28	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+40°C，制冷剂R404A。

Nominal cooling capacity and input power are based on condensing temperature +40°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 value. If pipe lose is considered in the system, only add 10% capacity.

R404A

R22

水冷

water cooled

## 制冷量与输入功率(R22)

Capacity and Input Power (R22)

低温

LT

型号 Model	制冷量 Capacity(kW)					功率 Input Power(kW)				
	蒸发温度 SET(°C)					蒸发温度 SET(°C)				
	-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
BRN210LZ2W-D	5.1	6.5	8.1	10.0	12.2	5.8	5.9	6.1	6.3	6.5
BRN212LZ2W-D	5.9	7.5	9.5	11.8	14.5	7.4	7.5	7.6	7.8	8.0
BRN315LZ2W-D	7.7	9.7	12.1	15.0	18.3	8.7	8.9	9.2	9.5	9.8
BRN318LZ2W-D	8.9	11.3	14.2	17.6	21.7	11.0	11.3	11.5	11.7	12.1
BRN420LZ2W-D	10.2	12.9	16.2	20.0	24.4	11.6	11.9	12.2	12.6	13.1
BRN424LZ2W-D	11.8	15.1	18.9	23.5	28.9	14.7	15.0	15.3	15.6	16.1
BRN330LZ2W-D	14.3	18.5	23.4	29.1	35.9	14.9	15.6	16.4	17.1	17.9
BRN339LZ2W-D	17.3	22.1	27.6	34.2	41.9	18.2	19.1	20.1	21.1	22.1
BRN440LZ2W-D	19.1	24.6	31.2	38.8	47.8	19.8	20.8	21.8	22.8	23.8

## 其他技术参数(R22)

Other Technical Data (R22)

低温

LT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)			标准支管路数量 No. of Branch Line Ball Valve		
				进/出水 Water Inlet/Outlet Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
				A	mm	mm			
BRN210LZ2W-D	10	2	16	G1"	35	16	1	1	1
BRN212LZ2W-D	12	2	18	法兰DN32	35	16	1	1	1
BRN315LZ2W-D	15	3	24	法兰DN32	42	22	1	1	1
BRN318LZ2W-D	18	3	26	法兰DN32	42	22	1	1	1
BRN420LZ2W-D	20	4	32	法兰DN32	42	22	1	1	1
BRN424LZ2W-D	24	4	35	法兰DN40	42	22	1	1	1
BRN330LZ2W-D	30	3	75	法兰DN40	54	28	1	1	1
BRN339LZ2W-D	39	3	84	法兰DN50	54	28	1	1	1
BRN440LZ2W-D	40	4	99	法兰DN50	65	28	1	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+40°C，制冷剂R22。

Nominal cooling capacity and input power are based on condensing temperature +40°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.

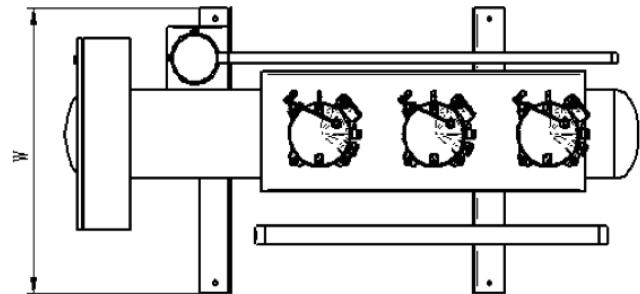
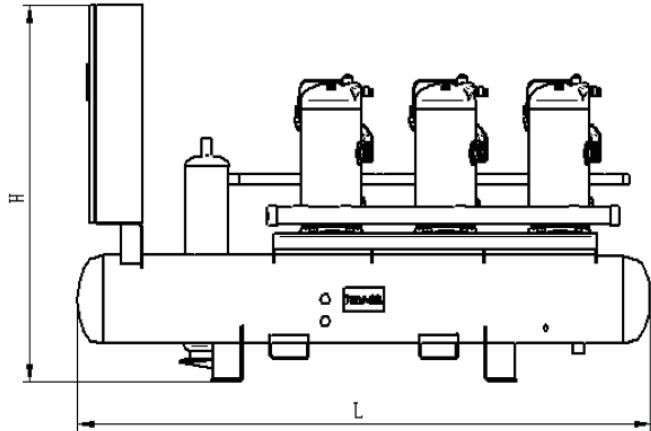
所有的制冷量参数为均净有效值，在考虑了管路损失后仅需对系统加最多10%的余量。

All capacities are net effective value. If pipe lose is considered in the system, only add 10% capacity.

# 涡旋并联机组 Scroll Rack

## 风冷系列尺寸图

Dimension of Air Cooled Series



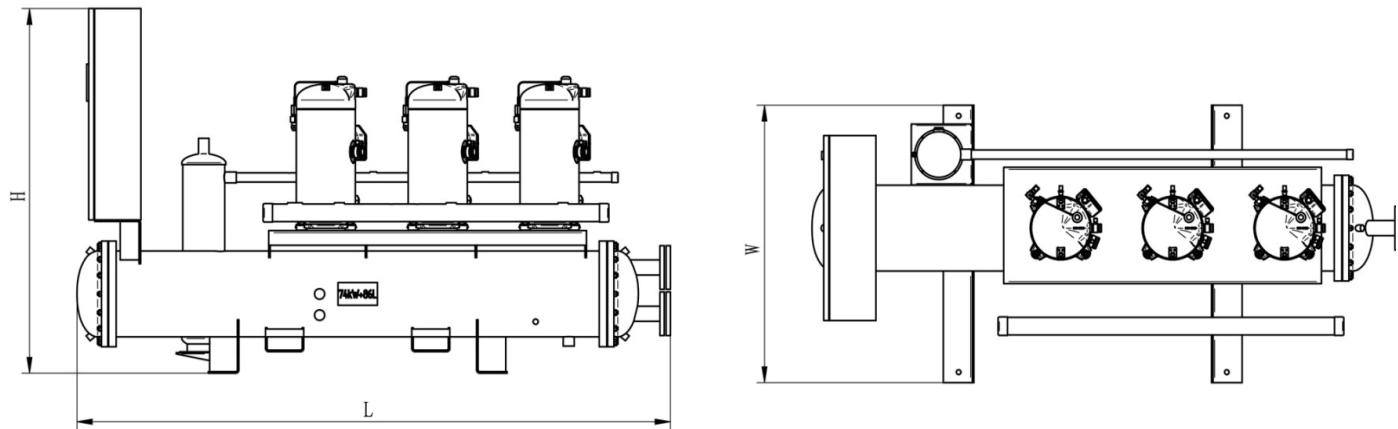
型号 Model	匹数 HP	外形尺寸 Dimension (mm)			外形尺寸* Dimension (mm)			净重 Net weight kg
		长(L) mm	宽(W) mm	高(H) mm	长*(L) mm	宽*(W) mm	高*(H) mm	
BRN212MZ2A-D(Y)	12	1692	920	1290	1921	1148	1634	460
BRN216MZ2A-D(Y)	16	1692	920	1330	1921	1148	1634	530
BRN220MZ2A-D(Y)	20	1773	920	1380	1921	1148	1634	610
BRN324MZ2A-D(Y)	24	2204	1050	1380	2352	1233	1634	710
BRN330MZ2A-D(Y)	30	2119	1050	1380	2352	1233	1634	750
BRN436MZ2A-D(Y)	36	2644	1000	1380	2792	1159	1654	850
BRN440MZ2A-D(Y)	40	2644	1000	1380	2792	1159	1654	850
BRN210LZ2A-D(Y)	10	1586	920	1290	1921	1148	1634	420
BRN212LZ2A-D(Y)	12	1672	920	1290	1921	1148	1634	440
BRN315LZ2A-D(Y)	15	2082	920	1290	2352	1233	1634	530
BRN318LZ2A-D(Y)	18	2096	920	1290	2352	1233	1634	540
BRN420LZ2A-D(Y)	20	2536	920	1290	2792	1159	1654	820
BRN424LZ2A-D(Y)	24	2556	920	1290	2792	1159	1654	730
BRN330LZ2A-D(Y)	30	2116	1050	1380	2352	1233	1634	680
BRN339LZ2A-D(Y)	39	2204	1050	1380	2352	1233	1634	720
BRN440LZ2A-D(Y)	40	2644	1000	1380	2792	1159	1654	860

\*为外包装尺寸

\*Package dimension

## 水冷系列尺寸图

Dimension of Water Cooled Series



型号 Model	匹数 HP	外形尺寸 Dimension (mm)			外形尺寸* Dimension (mm)			净重 Net weight kg
		长(L) mm	宽(W) mm	高(H) mm	长*(L) mm	宽*(W) mm	高*(H) mm	
BRN212MZ2W-D(Y)	12	1822	920	1290	2051	1148	1634	670
BRN216MZ2W-D(Y)	16	1822	920	1330	2051	1148	1634	760
BRN220MZ2W-D(Y)	20	1903	920	1380	2051	1148	1634	900
BRN324MZ2W-D(Y)	24	2334	1050	1380	2482	1233	1634	1035
BRN330MZ2W-D(Y)	30	2249	1050	1380	2482	1233	1634	1100
BRN436MZ2W-D(Y)	36	2774	1000	1380	2922	1159	1654	1210
BRN440MZ2W-D(Y)	40	2774	1000	1380	2922	1159	1654	1215
BRN210LZ2W-D(Y)	10	1716	920	1290	2051	1148	1634	590
BRN212LZ2W-D(Y)	12	1802	920	1290	2051	1148	1634	635
BRN315LZ2W-D(Y)	15	2212	920	1290	2482	1233	1634	750
BRN318LZ2W-D(Y)	18	2226	920	1290	2482	1233	1634	765
BRN420LZ2W-D(Y)	20	2666	920	1290	2922	1159	1654	1070
BRN424LZ2W-D(Y)	24	2686	920	1290	2922	1159	1654	1005
BRN330LZ2W-D(Y)	30	2246	1050	1380	2482	1233	1634	950
BRN339LZ2W-D(Y)	39	2334	1050	1380	2482	1233	1634	1025
BRN440LZ2W-D(Y)	40	2774	1000	1380	2922	1159	1654	1220

\*为外包装尺寸

\*Package dimension

# 涡旋并联机组 Scroll Rack

## 制冷量与输入功率(R404A)

Capacity and Input Power (R404A)

中温  
MT

型号 Model	制冷量 Capacity(kW)				功率 Input Power(kW)			
	蒸发温度 SET(°C)				蒸发温度 SET(°C)			
	-15	-10	-5	0	-15	-10	-5	0
BRN212MZ2A1-DY	16.6	20.1	24.2	28.8	11.3	11.3	11.3	11.2
BRN216MZ2A1-DY	21.5	26.6	32.1	38.3	14.4	14.4	14.5	14.6
BRN220MZ2A1-DY	29.2	35.5	42.8	50.8	18.7	18.8	19.0	19.1
BRN324MZ2A1-DY	32.3	39.9	48.2	57.5	23.0	23.0	23.1	23.2
BRN330MZ2A1-DY	43.8	53.3	64.2	76.2	28.5	28.7	28.9	29.1

## 其他技术参数(R404A)

Other Technical Data (R404A)

中温  
MT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)		标准支管路数量 No. of Branch Line Ball Valve	
				A	吸气 Suction Pipe mm	供液 Liquid Pipe mm	吸气 Suction Pipe
BRN212MZ2A1-DY	12	2	32	35	22	1	1
BRN216MZ2A1-DY	16	2	38	42	22	1	1
BRN220MZ2A1-DY	20	2	50	42	28	1	1
BRN324MZ2A1-DY	24	3	54	54	28	1	1
BRN330MZ2A1-DY	30	3	67	54	35	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C，制冷剂R404A。

Nominal cooling capacity and input power are based on 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 value. If pipe loss is considered in the system, only add 10% capacity.



## 制冷量与输入功率(R22)

Capacity and Input Power (R22)

中温  
MT

型号 Model	制冷量 Capacity(kW)				功率 Input Power(kW)			
	蒸发温度 SET(°C)				蒸发温度 SET(°C)			
	-10	-7	-5	0	-10	-7	-5	0
BRN212MZ2A1-D	19.4	21.8	23.6	28.3	10.2	10.2	10.2	10.3
BRN216MZ2A1-D	24.2	27.8	30.3	37.1	12.7	12.7	12.7	12.7
BRN220MZ2A1-D	33.8	38.2	41.2	49.8	16.9	17.0	17.1	17.2
BRN324MZ2A1-D	36.3	41.7	45.5	55.7	20.4	20.4	20.4	20.4
BRN330MZ2A1-D	50.7	57.3	61.8	74.7	25.2	25.3	25.4	25.5

## 其他技术参数(R22)

Other Technical Data (R22)

低温  
LT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)		标准支管路数量 No. of Branch Line Ball Valve	
				A	吸气 Suction Pipe mm	供液 Liquid Pipe mm	吸气 Suction Pipe
BRN212MZ2A1-DY	12	2	29	35	22	1	1
BRN216MZ2A1-DY	16	2	38	42	22	1	1
BRN220MZ2A1-DY	20	2	48	42	28	1	1
BRN324MZ2A1-DY	24	3	52	54	28	1	1
BRN330MZ2A1-DY	30	3	65	54	35	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C, 制冷剂R22。

Nominal cooling capacity and input power are based on 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 value. If pipe loss is considered in the system, only add 10% capacity.



# 涡旋并联机组 Scroll Rack

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

低温  
LT

型号 Model	制冷量 Capacity(kW)					功率 Input Power(kW)				
	蒸发温度 SET(°C)					蒸发温度 SET(°C)				
	-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
BRN210LZ2A1-DY	2.9	6.0	7.5	9.2	11.2	4.8	7.4	7.7	8.0	8.3
BRN212LZ2A1-DY	3.7	7.3	9.1	11.1	13.5	5.6	5.6	5.6	5.6	5.6
BRN315LZ2A1-DY	4.4	9.0	11.3	13.8	16.9	7.5	11.4	11.8	12.3	12.7
BRN318LZ2A1-DY	5.6	11.0	13.6	16.7	20.2	8.4	14.9	15.2	15.7	16.1
BRN420LZ2A1-DY	5.8	12.0	15.0	18.4	22.5	10.2	15.4	16.0	16.6	17.2
BRN424LZ2A1-DY	7.4	14.7	18.2	22.2	26.9	10.6	19.2	19.7	20.3	20.9
BRN330LZ2A1-DY	17.2	17.6	22.0	27.1	32.9	20.8	18.6	19.6	20.5	21.5
BRN339LZ2A1-DY	22.2	22.6	28.0	34.2	41.3	25.7	23.0	24.2	25.4	26.7
BRN440LZ2A1-DY	22.9	23.4	29.4	36.1	43.8	26.9	24.0	25.3	26.6	27.8

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

低温  
LT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)		标准支管路数量 No. of Branch Line Ball Valve	
				A	吸气 Suction Pipe mm	供液 Liquid Pipe mm	吸气 Suction Pipe
BRN210LZ2A1-DY	10	2	20	35	16	1	1
BRN212LZ2A1-DY	12	2	25	35	16	1	1
BRN315LZ2A1-DY	15	3	32	42	22	1	1
BRN318LZ2A1-DY	18	3	38	42	22	1	1
BRN420LZ2A1-DY	20	4	43	42	22	1	1
BRN424LZ2A1-DY	24	4	48	42	22	1	1
BRN330LZ2A1-DY	30	3	61	54	28	1	1
BRN339LZ2A1-DY	39	3	75	54	28	1	1
BRN440LZ2A1-DY	40	4	78	65	28	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C, 制冷剂R404A。

Nominal cooling capacity and input power are based on 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 value. If pipe lose is considered in the system, only add 10% capacity.

R404A

R22

风冷

Air cooled

## 制冷量与输入功率(R22)

Capacity and Input Power (R22)

低温

LT

型号 Model	制冷量 Capacity(kW)					功率 Input Power(kW)				
	蒸发温度 SET(°C)					蒸发温度 SET(°C)				
	-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
BRN210LZ2A1-D	4.9	6.2	7.7	9.5	11.6	6.8	7.0	7.2	7.4	7.6
BRN212LZ2A1-D	5.6	7.2	9.0	11.2	13.8	9.2	5.6	5.6	5.6	5.6
BRN315LZ2A1-D	7.3	9.2	11.6	14.3	17.5	10.6	10.8	11.1	11.4	11.8
BRN318LZ2A1-D	8.4	10.7	13.5	16.8	20.6	13.8	14.0	14.2	14.5	14.9
BRN420LZ2A1-D	9.8	12.3	15.4	19.0	23.3	14.3	14.6	15.0	15.4	15.9
BRN424LZ2A1-D	11.2	14.3	18.0	22.4	27.5	17.8	18.0	18.4	18.8	19.2
BRN330LZ2A1-D	13.4	17.5	22.2	27.7	34.2	18.3	19.2	20.1	20.9	21.8
BRN339LZ2A1-D	16.2	20.9	26.3	32.6	39.9	21.9	23.0	24.1	25.1	26.2
BRN440LZ2A1-D	17.9	23.3	29.6	36.9	45.6	23.6	24.8	26.0	27.1	28.2

## 其他技术参数(R22)

Other Technical Data (R22)

低温

LT

型号 Model	匹数 HP	压缩机数量 Compressor Qty	最大工作电流 Max. Operating Current	机组对外管路尺寸 Dimension (mm)		标准支管路数量 No. of Branch Line Ball Valve	
				A	吸气 Suction Pipe mm	供液 Liquid Pipe mm	吸气 Suction Pipe
BRN210LZ2A1-D	10	2	18	35	16	1	1
BRN212LZ2A1-D	12	2	23	35	16	1	1
BRN315LZ2A1-D	15	3	29	42	22	1	1
BRN318LZ2A1-D	18	3	34	42	22	1	1
BRN420LZ2A1-D	20	4	39	42	22	1	1
BRN424LZ2A1-D	24	4	43	42	22	1	1
BRN330LZ2A1-D	30	3	85	54	28	1	1
BRN339LZ2A1-D	39	3	95	54	28	1	1
BRN440LZ2A1-D	40	4	110	65	28	1	1

机组供电380V/3P/50Hz。

Power supply: 380V/3P/50Hz.

名义制冷量及输入功率基于冷凝温度+45°C, 制冷剂R22。

Nominal cooling capacity and input power are based on 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 value. If pipe loss is considered in the system, only add 10% capacity.