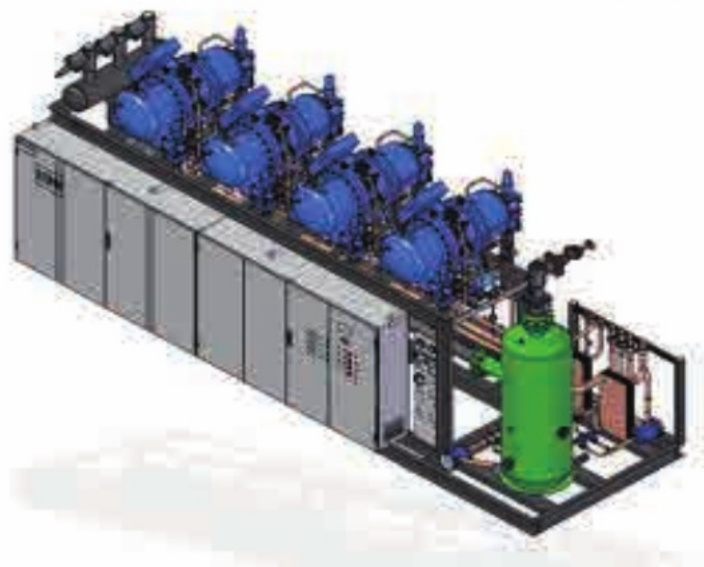
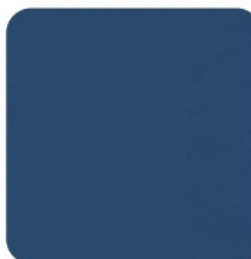


螺杆压缩并联机组

BSCR-H系列



中温 90 500 HP
中低温 125 500 HP
低温 125 500 HP



BEIJER REF

Solution Rack
BSCR-H Series



描述 Description

- 不同工况范围, 针对性的采用专业压缩机, 有效提高机组效率。
- According to different working condition, adopt the compressor with professional function corresponding to improve the efficiency of the unit.
- 专门针对大型冷库及低温物流配送中心设计, 给客户id提供完美的节能解决措施。
- Specially designed for large cold storage and low temperature logistics distribution center, provide customers the perfect energy saving solution.
- 适用温度范围广, 适用温度区间连续。
- Wide temperature range, no lack of temperature range.
- 中温机组 90HP 至 500HP, 中低温机组 125HP 至 500HP, 低温机组 125HP 至 500HP。
- The HP of medium temp unit is 90 to 500, the HP of the medium&low temp unit is 125 to 500, the HP of low temp unit is 125 to 500.



特点 Features

- 与往复式压缩机相比, 内部活动部件更少, 提高了机组可靠性和压缩机寿命, 减少了维修量。
- Compared with reciprocating compressor, screw compressor has less internal moving parts which enhance reliability and reduce repair rate.
- 中低温及低温螺杆并联压缩机使用经济器, 系统效率高, 运行成本更低。
- Economizers are used in low temp rack and medium&low temp rack system which can improve system efficiency and reduce running cost.
- 具有较高的 COP 值而且满足各类大制冷量的大型冷藏库、速冻库。
- High COP and applicable in large cold storage and blast freezer room where the large cooling capacity required.
- 可使用 R404A, R22 制冷剂。
- R404A and R22.
- 适用范围: 各类冷库, 大型物流中心, 航空配餐中心, 酒店等。
- Application: Cold storage, big logistics distribution center, flight catering centre, hotel and etc

市场范围 Market Segments



• 餐饮 Food Service

• 超市 Super Market

• 冷冻冷藏 Cold Storage

命名规则 Nomenclature

螺杆压缩并联机组
SOLUTION RACK

B⁽¹⁾ **SCR**⁽²⁾ **H**⁽³⁾ **4**⁽⁴⁾ **500**⁽⁵⁾ **-X**⁽⁶⁾ **-SL**⁽⁷⁾ **Y**⁽⁸⁾ **XXX**⁽⁹⁾

(1) 品牌	(1)Beijer Ref
(2) SCR: 螺杆并联压缩机组	(2)SCR:Screw Rack System
(3) 压缩机品牌	(3)Compressor brand
H: 汉钟	H:Hanbell
(4) 4: 压缩机数量	(4)4:Compressor No.
(5) 300: 总匹数	(5)300:Total HP
(6) X: 单级压缩	(6)X:Single Stage
(7) SL: 低温(蒸发温度: -40~-30℃)	(7)SL:Low temp(Evaporating temp.range:-40~-30)
L: 中低温(蒸发温度: -30~-15℃)	L:Med&Low temp(Evaporating temp.range:-30~-15)
M: 中温(蒸发温度: -15~+5℃)	M:Med temp(Evaporating temp.range:-15~+5)
(8) 润滑油种类	(8)Types of oil
空白: 矿物油	Blank:Mineral Oil(R22)
Y: 聚酯油	Y:Polyester Oil(R404A)
(9) 可选项	(9)Options
G: 汽分	G:Suction accumulator
S: 油温调节阀	S:Oil temperature regulate valve
L: 储液器低液位报警	L:Low level alarm
P: PLC+触摸屏	P:PLC+Touch screen

螺杆压缩并联机组-BSCR-H系列 Solution Rack

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)				
	-15	-10	-5	0	5	-15	-10	-5	0	5
BSCR-H-1075-XM	117.5	144.7	176.8	213.7	256.4	48.7	50.8	52.8	54.6	56.1
BSCR-H-1125-XM	190.9	235.7	287.0	346.9	416.2	77.0	80.3	83.5	86.3	88.8
BSCR-H-2180-XM	235.0	289.4	353.6	427.4	512.8	97.4	101.6	105.6	109.2	112.2
BSCR-H-2250-XM	381.8	471.4	574.0	693.8	832.4	154.0	160.6	167.0	172.6	177.6
BSCR-H-3375-XM	572.7	707.1	861.0	1040.7	1248.6	231.0	240.9	250.5	258.9	266.4
BSCR-H-4500-XM	763.6	942.8	1148.0	1387.6	1664.8	308.0	321.2	334.0	345.2	355.2

其他技术参数 (R22)

Other Technical Data (R22)

中温

MT

型号 Model	匹数 HP	压缩机Compressor		最大工作电流 Max. Operating Current A	机组对外管路尺寸Dimension (mm)			标准支管路数量No. of Branch Line Ball Valve		
		型号 Model	数量 Qty		排气 Discharge Pipe mm	吸气 Suction Pipe mm	供液 Liquid Pipe mm	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BSCR-H-1075-XM	75	RC2-260BZP	1	171	DN50	DN80	42	1	1	1
BSCR-H-1125-XM	125	RC2-410BZP	1	268	DN65	DN100	54	1	1	1
BSCR-H-2180-XM	180	RC2-260BZP	2	342	DN65	DN80	42	1	2	2
BSCR-H-2250-XM	250	RC2-410BZP	2	536	DN80	DN100	54	1	2	2
BSCR-H-3375-XM	375	RC2-410BZP	3	804	DN100	DN125	65	1	2	2
BSCR-H-4500-XM	500	RC2-410BZP	4	1072	DN100	DN125	65	1	3	3

机组供电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。

Power supply:380V/3P/50Hz. 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 loss is considered in the system, only add 10% capacity.

制冷量与输入功率 (R22)

Capacity and Input Power (R22)

中低温

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)				
	-30	-27	-25	-20	-15	-30	-27	-25	-20	-15
BSCR-H-1125-XL	129.9	151.2	169.3	220.2	252.7	92.0	94.3	95.6	99.4	103.0
BSCR-H-2150-XL	127.1	147.9	165.7	215.8	247.9	95.0	97.2	98.6	102.6	106.2
BSCR-H-3225-XL	190.7	221.9	248.6	323.7	371.9	142.5	145.8	147.9	153.9	159.3
BSCR-H-2250-XL	259.8	302.4	338.6	440.4	505.4	184.0	188.6	191.2	198.8	206.0
BSCR-H-4300-XL	254.2	295.8	331.4	431.6	495.8	190.0	194.4	197.2	205.2	212.4
BSCR-H-3375-XL	389.7	453.6	507.9	660.6	758.1	276.0	282.9	286.8	298.2	309.0
BSCR-H-4500-XL	519.6	604.8	677.2	880.8	1010.8	368.0	377.2	382.4	397.6	412.0

其他技术参数 (R22)

Other Technical Data (R22)

中低温

MT&LT

型号 Model	匹数 HP	压缩机Compressor		最大工作电流 Max. Operating Current A	机组对外管路尺寸Dimension (mm)			标准支管路数量No. of Branch Line Ball Valve		
		型号 Model	数量 Qty		排气 Discharge Pipe mm	吸气 Suction Pipe mm	供液 Liquid Pipe mm	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BSCR-H-1125-XL	125	RC2-510BZP	1	336	DN65	DN100	42	1	1	1
BSCR-H-2150-XL	150	RC2-260BZP	2	342	DN65	DN80	28	1	2	2
BSCR-H-3225-XL	225	RC2-260BZP	3	513	DN80	DN100	35	1	2	2
BSCR-H-2250-XL	250	RC2-510BZP	2	672	DN80	DN100	42	1	2	2
BSCR-H-4300-XL	300	RC2-260BZP	4	684	DN80	DN80	35	1	3	3
BSCR-H-3375-XL	375	RC2-510BZP	3	1008	DN100	DN100	42	1	3	3
BSCR-H-4500-XL	500	RC2-510BZP	4	1344	DN100	DN125	54	1	3	3

机组供电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。

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

所有的制冷量参数均为净有效值，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.

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	-37	-35	-32	-30	-40	-37	-35	-32	-30
BSCR-H-1125-XSL	84.8	99.4	110.0	126.9	139.1	73.2	74.6	75.6	77.3	78.5
BSCR-H-2150-XSL	98.2	115.4	127.8	147.8	162.2	91.2	96.4	101.2	103.8	105.6
BSCR-H-3225-XSL	147.3	173.1	191.7	221.7	243.3	136.8	144.6	151.8	155.7	158.4
BSCR-H-2250-XSL	169.6	198.8	220.0	253.8	278.2	146.4	149.2	151.2	154.6	157.0
BSCR-H-4300-XSL	196.4	230.8	255.6	295.6	324.4	182.4	192.8	202.4	207.6	211.2
BSCR-H-3375-XSL	254.4	298.2	330.0	380.7	417.3	219.6	223.8	226.8	231.9	235.5
BSCR-H-4500-XSL	339.2	397.6	440.0	507.6	556.4	292.8	298.4	302.4	309.2	314.0

其他技术参数 (R22)

Other Technical Data (R22)

低温

LT

型号 Model	匹数 HP	压缩机Compressor		最大工作电流 Max. Operating Current A	机组对外管路尺寸Dimension (mm)			标准支管路数量No. of Branch Line Ball Valve		
		型号 Model	数量 Qty		排气 Discharge Pipe mm	吸气 Suction Pipe mm	供液 Liquid Pipe mm	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BSCR-H-1125-XSL	125	LB410P	1	233	DN50	DN100	35	1	1	1
BSCR-H-2150-XSL	150	LB250P	2	278	DN50	DN80	28	1	2	2
BSCR-H-3225-XSL	225	LB250P	3	417	DN65	DN80	35	1	2	2
BSCR-H-2250-XSL	250	LB410P	2	466	DN65	DN100	35	1	2	2
BSCR-H-4300-XSL	300	LB250P	4	556	DN65	DN80	28	1	3	3
BSCR-H-3375-XSL	375	LB410P	3	699	DN80	DN125	42	1	2	2
BSCR-H-4500-XSL	500	LB410P	4	932	DN80	DN100	42	1	3	3

机组供电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。

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

所有的制冷量参数均为净有效值，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.

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	5	-15	-10	-5	0	5
BSCR-H-1075-XMY	123.2	152.6	187.2	227.6	274.4	60.8	63.6	66.0	67.8	68.9
BSCR-H-1125-XMY	195.5	242.1	297.0	361.1	435.3	95.5	99.8	103.6	106.4	108.2
BSCR-H-2180-XMY	246.4	305.2	374.4	455.2	548.8	121.6	127.2	132.0	135.6	137.8
BSCR-H-2250-XMY	391.0	484.2	594.0	722.2	870.6	191.0	199.6	207.2	212.8	216.4
BSCR-H-3375-XMY	586.5	726.3	891.0	1083.3	1305.9	286.5	299.4	310.8	319.2	324.6
BSCR-H-4500-XMY	782.0	968.4	1188.0	1444.4	1741.2	382.0	399.2	414.4	425.6	432.8

其他技术参数 (R404A)

Other Technical Data (R404A)

中温

MT

型号 Model	匹数 HP	压缩机Compressor		最大工作电流 Max. Operating Current A	机组对外管路尺寸Dimension (mm)			标准支管路数量No. of Branch Line Ball Valve		
		型号 Model	数量 Qty		排气 Discharge Pipe mm	吸气 Suction Pipe mm	供液 Liquid Pipe mm	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BSCR-H-1075-XMY	75	RC2-260BZP	1	171	DN50	DN80	54	1	1	1
BSCR-H-1125-XMY	125	RC2-410BZP	1	268	DN65	DN100	65	1	1	1
BSCR-H-2180-XMY	180	RC2-260BZP	2	342	DN65	DN80	54	1	2	2
BSCR-H-2250-XMY	250	RC2-410BZP	2	536	DN80	DN100	65	1	2	2
BSCR-H-3375-XMY	375	RC2-410BZP	3	804	DN100	DN100	65	1	3	3
BSCR-H-4500-XMY	500	RC2-410BZP	4	1072	DN100	DN125	65	1	3	3

机组供电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。

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

制冷量与输入功率 (R404A)

Capacity and Input Power (R404A)

中低温

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)				
	-30	-27	-25	-20	-15	-30	-27	-25	-20	-15
BSCR-H-1125-XLY	153.3	177.5	197.6	247.6	283.4	121.2	124.7	127.1	132.9	137.8
BSCR-H-2150-XLY	154.1	178.2	198.5	248.7	284.8	124.0	127.6	130.0	135.8	140.8
BSCR-H-3225-XLY	231.2	267.3	297.8	373.1	427.2	186.0	191.4	195.0	203.7	211.2
BSCR-H-2250-XLY	306.6	355.0	395.2	495.2	566.8	242.4	249.4	254.2	265.8	275.6
BSCR-H-4300-XLY	308.2	356.4	397.0	497.4	569.6	248.0	255.2	260.0	271.6	281.6
BSCR-H-3375-XLY	459.9	532.5	592.8	742.8	850.2	363.6	374.1	381.3	398.7	413.4
BSCR-H-4500-XLY	613.2	710.0	790.4	990.4	1133.6	484.8	498.8	508.4	531.6	551.2

其他技术参数 (R404A)

Other Technical Data (R404A)

中低温

MT&LT

型号 Model	匹数 HP	压缩机Compressor		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		
		型号 Model	数量 Qty		排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BSCR-H-1125-XLY	125	RC2-510BZP	1	336	DN65	DN100	54	1	1	1
BSCR-H-2150-XLY	150	RC2-260BZP	2	342	DN65	DN80	42	1	2	2
BSCR-H-3225-XLY	225	RC2-260BZP	3	513	DN80	DN100	42	1	2	2
BSCR-H-2250-XLY	250	RC2-510BZP	2	672	DN80	DN100	54	1	2	2
BSCR-H-4300-XLY	300	RC2-260BZP	4	684	DN80	DN80	42	1	3	3
BSCR-H-3375-XLY	375	RC2-510BZP	3	1008	DN100	DN100	54	1	3	3
BSCR-H-4500-XLY	500	RC2-510BZP	4	1344	DN100	DN125	65	1	3	3

机组供电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。

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

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	-37	-35	-32	-30	-40	-37	-35	-32	-30
BSCR-H-1125-XSLY	95.3	110.7	121.7	139.2	151.7	91.1	96.1	97.3	98.9	100.0
BSCR-H-2150-XSLY	112.2	130.2	143.2	163.8	178.6	110.8	116.6	121.0	123.0	124.4
BSCR-H-3225-XSLY	168.3	195.3	214.8	245.7	267.9	166.2	174.9	181.5	184.5	186.6
BSCR-H-2250-XSLY	190.6	221.4	243.4	278.4	303.4	182.2	192.2	194.6	197.8	200.0
BSCR-H-4300-XSLY	224.4	260.4	286.4	327.6	357.2	221.6	233.2	242.0	246.0	248.8
BSCR-H-3375-XSLY	285.9	332.1	365.1	417.6	455.1	273.3	288.3	291.9	296.7	300.0
BSCR-H-4500-XSLY	381.2	442.8	486.8	556.8	606.8	364.4	384.4	389.2	395.6	400.0

其他技术参数 (R404A)

Other Technical Data (R404A)

低温

LT

型号 Model	匹数 HP	压缩机Compressor		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		
		型号 Model	数量 Qty		排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe	排气 Discharge Pipe	吸气 Suction Pipe	供液 Liquid Pipe
BSCR-H-1125-XSLY	125	LB410P	1	233	DN50	DN100	42	1	1	1
BSCR-H-2150-XSLY	150	LB250P	2	278	DN50	DN80	35	1	2	2
BSCR-H-3225-XSLY	225	LB250P	3	417	DN65	DN80	42	1	2	2
BSCR-H-2250-XSLY	250	LB410P	2	466	DN65	DN100	42	1	2	2
BSCR-H-4300-XSLY	300	LB250P	4	556	DN65	DN80	42	1	3	3
BSCR-H-3375-XSLY	375	LB410P	3	699	DN80	DN125	54	1	2	2
BSCR-H-4500-XSLY	500	LB410P	4	932	DN80	DN100	54	1	3	3

机组供电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。

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

尺寸参数

Dimension

型号 Model	外形尺寸 Dimension (mm)			
	长(L)	宽(W)	高(H)	重量 Weight(kg)
BSCR-H-1075-XM(Y)	2200	1430	1885	1100
BSCR-H-1125-XM(Y)	2500	1600	1915	1300
BSCR-H-2180-XM(Y)	3110	1655	1885	1700
BSCR-H-2250-XM(Y)	3370	1880	2110	2300
BSCR-H-3375-XM(Y)	4430	1880	2230	3200
BSCR-H-4500-XM(Y)	5710	1880	2280	4100
BSCR-H-1125-XL(Y)	2520	1640	1910	1700
BSCR-H-2150-XL(Y)	3110	1655	1885	1900
BSCR-H-3225-XL(Y)	4160	1655	2110	2650
BSCR-H-2250-XL(Y)	3560	1925	2155	2550
BSCR-H-4300-XL(Y)	5180	1655	2140	3250
BSCR-H-3375-XL(Y)	4690	1925	2220	3550
BSCR-H-4500-XL(Y)	5760	1925	2275	4350
BSCR-H-1125-XSL(Y)	2550	1400	1805	1400
BSCR-H-2150-XSL(Y)	3000	1655	1840	1900
BSCR-H-3225-XSL(Y)	4130	1655	2000	2650
BSCR-H-2250-XSL(Y)	3410	1735	2100	2050
BSCR-H-4300-XSL(Y)	5210	1655	1995	3250
BSCR-H-3375-XSL(Y)	4700	1735	2275	2800
BSCR-H-4500-XSL(Y)	5810	1925	2260	3500

