

产品选型手册

MANUAL OF PRODUCT SELECTION

深圳市艾斯兰德冷机制造有限公司

SHENZHEN ICELAND REFRIGERATING MACHINERY MANUFACTURING CO.,LTD.

(2008 版)

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艾斯兰德®制冷压缩机组型号编制说明

机组型号是通过字母、压缩机类型、压缩机数量、制冷量、冷凝类型、温度范围等实现的。

	第一位	第二位	第三位	第四位	—	第五位	第六位	第七位	第八位
	B	B	D	017	—	2	Z	S	()
第一位——结构形式									
B——并联机组									
N——室内型机组									
W——室外型机组									
M——全密封型机组									
第二位——压缩机类型									
B——半封闭压缩机									
Q——全封闭压缩机									
W——涡旋压缩机									
L——螺杆压缩机									
S——双级压缩机									
第三位——系统类别									
D——机组为低温系统									
Z——机组为中温系统									
第四位——制冷量 (单位——kW)									
——中温 (基于蒸发温度-10℃, 冷凝温度 45℃)									
——低温 (基于蒸发温度-30℃, 冷凝温度 45℃)									
第五位——机组上配有的压缩机数量									
——省略表示 1 台压缩机									
2——二台压缩机									
第六位——控制方式									
——省略表示标准控制									
D——程序控制加机械后备控制									
Z——智能控制加机械后备控制									
第七位——冷凝型式									
F——风冷									
S——水冷									
第八位——后缀									
——特殊要求表示									

一、说明:

当中、低温系统共用一个机架时, 第三、四位重复标注, 低温标注在前, 中温标注在后。

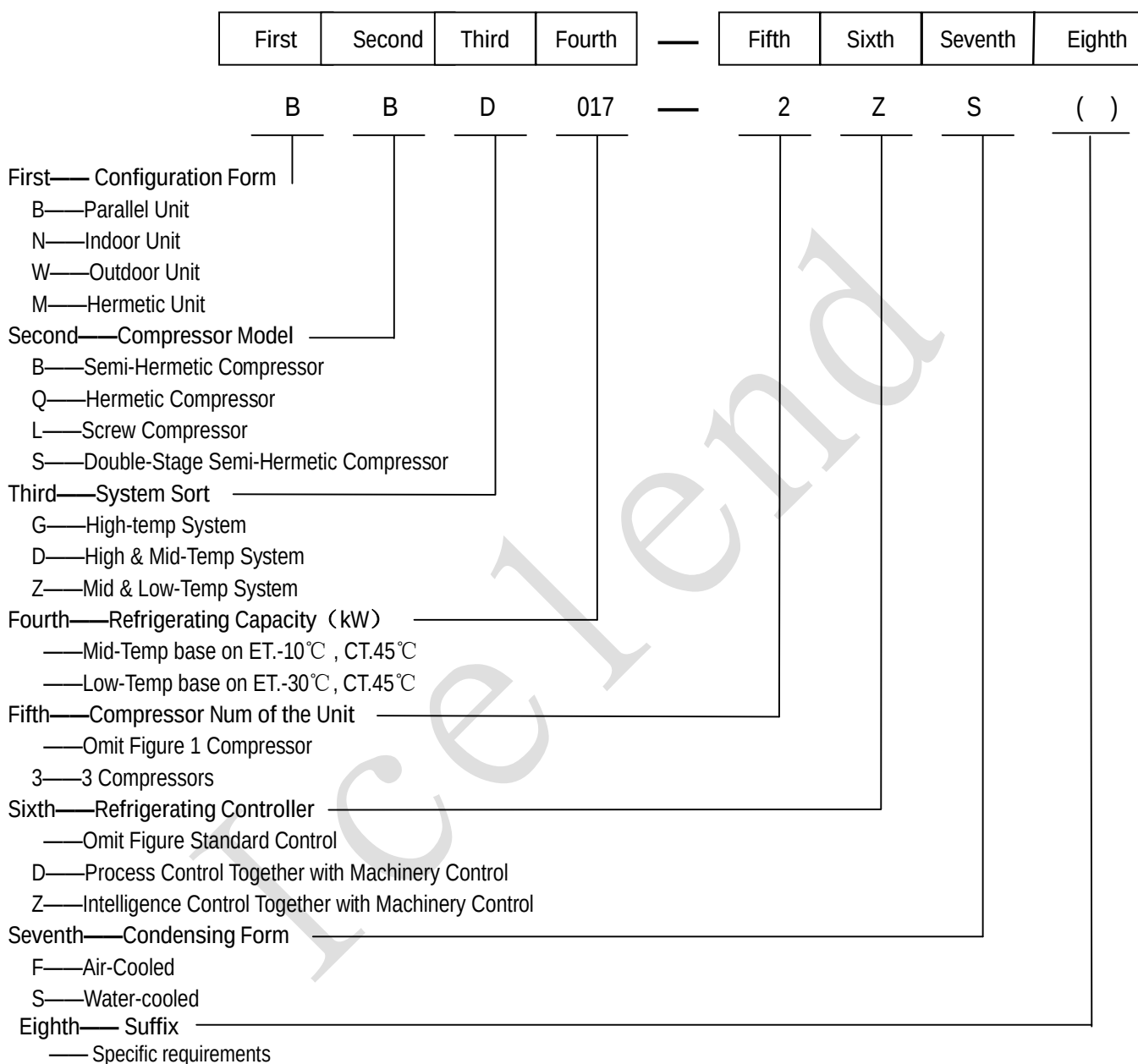
二、命名举例:

例 1: BBD020Z070-6DS, 表示并联半封闭压缩机组, 低温系统 20kW, 中温系统 70kW, 共 6 台压缩机, 采用程序控制加机械后备控制, 冷凝方式为水冷。

例 2: NBZ020-F, 表示室内型半封闭压缩冷凝机组, 中温 20kW, 1 台压缩机, 采用标准控制, 冷凝方式为风冷。

Model Configuration Introduction of the **ICELEND**[®] Refrigerant Units

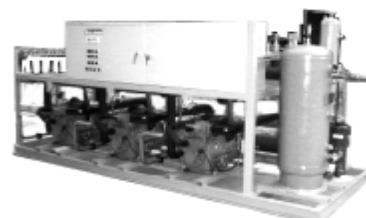
The Unit model bases on letters, compressor model, compressor quantity, refrigerating capacity, condensing form, temperature bound etc.



1. Explanation
When the Mid, low-temp system is installed in one shelf, the third, fourth are noted again; The Low-temp is noted in front, the Mid-temp is noted behind.
2. Denomination illustration
Case 1: BBD020Z070-6DS, figure the parallel semi-hermetically sealed compressor unit, the refrigerating capacity of the Low-temp system is 20kW, the Mid-temp system is 70kW, in six compressors, adopt the process control together with machinery control, and the water-cooled condensing.
Case 2: NBZ020-F, figure the indoor semi-hermetically sealed compressor unit, the refrigerating capacity of the Mid-temp is 20kW, in one compressor, with the standard control and the air-cooled condensing.

艾斯兰德®单层半封闭并联压缩机组

ICELEND® Semi-Hermetic Single Floor Parallel Compressor Units



机组主要配置

Main Collocation of the Units

1. 主要零部件品牌: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly
2. 压缩机配件 (单台配件)
 - ◇ 压缩机高压保护开关
 - ◇ 压缩机油压开关
 - ◇ 曲轴箱加热器
 - ◇ 吸气过滤器
 - ◇ 压缩机油位调节器
 - ◇ 低温单级压缩机缸头冷却风扇
3. 压缩机类型及制冷剂
 - 制冷剂 R22 或 R404A
 - ◇ 半封闭中温单级压缩机
 - ◇ 半封闭低温单级压缩机
4. 排气组件
 - ◇ 油分离器出口单向阀和球阀
 - ◇ 油分离器
 - ◇ 储油器
 - ◇ 油路过滤器, 油镜
5. 储液器组件
 - ◇ 立式储液器, 配有 24bar 安全阀
 - ◇ 储液器出口截止阀 (球阀)
 - ◇ 液镜
 - ◇ 储液器出口干燥过滤器
 - ◇ 干燥器出口配有截止阀 (球阀)
6. 机组保护组件
 - ◇ 机组高、低压保护器
 - ◇ 电机过载, 电流、电压异常等相应的电气保护元件
7. 供液支管及回气支管组件
 - ◇ 带球阀三支路, 标准配置
8. 其他
 - ◇ 机组低压表
 - ◇ 机组高压表
9. 客户可选项
 - ◇ 排气管配置消音鼓或者避震管
 - ◇ 具有能量管理系统的控制面板

1. Main Components: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly
2. Compressor Fittings (Single)
 - ◇ Compressor high and low pressure protector
 - ◇ Compressor oil pressure switch
 - ◇ Crankcase heater
 - ◇ Inhale filter
 - ◇ Compressor oil adjuster
 - ◇ Low-temp single-Stage cylinder cooling fan
3. Compressor type and refrigerant
 - refrigerant R22 or R404A
 - ◇ Semi-Hermetic Mid-temp single-stage Compressor
 - ◇ Semi-Hermetic Low-temp single-stage Compressor
4. Gas discharge components
 - ◇ Oil separator check valve and ball valve
 - ◇ Oil separator
 - ◇ Oil receiver
 - ◇ Oil filter and oil sight-glass
5. Receiver components
 - ◇ Vertical receiver, 24bar pressure relief valve
 - ◇ Receiver export shut-off valve (ball valve)
 - ◇ Liquid sight-glass
 - ◇ Receiver export dry filter
 - ◇ Drier export shut-off valve (ball valve)
6. The unit's protecting components
 - ◇ The unit high and low protector
 - ◇ The electrical protecting components of electromotor over loading, exceptional over current etc
7. Components of Liquid supply and gas return spur track
 - ◇ Three slip with the ball valves, Standard configuration
8. Other
 - ◇ Low pressure meter
 - ◇ High pressure meter
9. The selective components of the client
 - ◇ Muffle or shock absorber for vent-pipe
 - ◇ The energy system's control panel with management

- ◇标准控制，程序控制或智能控制方式
- ◇热回收或热水回收装置
- ◇高低压传感器
- ◇支路数量

- ◇Standard , Procedure or intelligence control mode
- ◇Heat recovery or hot water recovery installment
- ◇High and low pressure transducer
- ◇Volume slip

Iceleend

中高温单级活塞并联机组制冷量、输入功率参数表

The Capacity and Power of Mid-High Temp. Single-Stage Parallel Piston-Compressor Units

kW (50Hz 380V)

机组型号 Unit Model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -20℃		蒸发温度 Evaporating temp -10℃		蒸发温度 Evaporating temp -5℃	
			R22	R404A	R22	R404A	R22	R404A
BBZ034-2F	20	冷量 Capacity	21.08	21.28	33.64	33.64	41.40	41.20
		功率 Power	10.54	11.84	12.98	14.86	14.04	16.20
BBZ041-2F	24	冷量 Capacity	25.54	26.06	40.60	40.80	50.00	49.80
		功率 Power	13.02	14.62	15.94	18.18	17.22	19.78
BBZ056-2F	40	冷量 Capacity	34.94	35.78	56.00	56.60	69.20	69.40
		功率 Power	17.62	19.48	21.98	24.60	23.98	26.94
BBZ072-2F	50	冷量 Capacity	45.40	48.00	72.20	74.20	89.00	90.40
		功率 Power	22.82	27.48	28.00	33.82	30.26	36.66
BBZ083-2F	60	冷量 Capacity	52.40	55.80	83.00	86.00	102.00	104.40
		功率 Power	33.26	32.10	33.04	39.56	35.68	43.00
BBZ109-2F	70	冷量 Capacity	68.00	72.00	108.60	111.20	133.60	135.60
		功率 Power	34.26	41.60	42.00	51.00	45.40	55.20
BBZ061-3F	36	冷量 Capacity	38.31	39.09	60.90	61.20	75.00	74.70
		功率 Power	19.53	21.93	23.91	27.27	25.83	29.67
BBZ065-3F	40	冷量 Capacity	40.78	41.72	65.22	65.82	80.30	80.60
		功率 Power	20.21	22.56	24.81	28.11	26.82	30.66
BBZ084-3F	60	冷量 Capacity	52.41	53.67	84.00	84.90	103.80	104.10
		功率 Power	26.43	29.22	32.97	36.90	35.97	40.41
BBZ114-3F	80	冷量 Capacity	71.60	75.90	113.70	117.20	140.00	142.60
		功率 Power	36.45	43.53	44.52	53.60	48.10	58.16
BBZ125-3F	90	冷量 Capacity	78.60	83.70	124.50	129.00	153.00	156.60
		功率 Power	40.89	48.15	49.56	59.34	53.52	64.50
BBZ171-3F	110	冷量 Capacity	107.30	113.90	170.80	175.50	210.20	213.80
		功率 Power	54.66	65.90	66.80	80.70	72.20	87.40
BBZ187-3F	120	冷量 Capacity	117.90	125.70	186.60	192.90	229.80	234.60
		功率 Power	61.20	72.90	74.40	89.10	80.40	96.60
BBZ210-3F	140	冷量 Capacity	133.50	141.70	210.00	216.90	258.00	263.40
		功率 Power	71.20	82.70	86.60	101.70	93.60	110.80
BBZ222-3F	150	冷量 Capacity	141.30	149.70	221.70	228.90	272.10	277.80
		功率 Power	76.20	87.60	92.70	108.00	100.20	117.90
BBZ067-4F	40	冷量 Capacity	42.16	42.56	67.28	67.28	82.80	82.40
		功率 Power	21.08	23.68	29.56	29.72	28.08	32.40
BBZ261-4F	170	冷量 Capacity	165.00	175.60	260.50	269.20	320.50	327.20
		功率 Power	86.60	102.10	105.30	125.10	113.80	168.50
BBZ311-5F	200	冷量 Capacity	196.50	209.50	311.00	321.50	383.00	391.00
		功率 Power	102.00	121.50	124.00	148.50	134.00	161.00
BBZ370-5F	250	冷量 Capacity	235.50	249.50	369.50	381.50	453.50	463.00
		功率 Power	127.00	146.00	154.50	180.00	167.00	196.50
BBZ373-6F	240	冷量 Capacity	235.80	251.40	373.20	385.80	459.60	469.20
		功率 Power	122.40	145.80	148.80	178.20	160.80	193.20

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

2.冷凝温度为 45℃，吸气温度 20℃。condensing temperature 45℃, inspiration temperature 20℃.

kW (5 0 H z 3 8 0 v)

机组型号 Unit Model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -20℃		蒸发温度 Evaporating temp -10℃		蒸发温度 Evaporating temp -5℃	
			R22	R404A	R22	R404A	R22	R404A
BBZ034-2S	20	冷量 Capacity	22.88	23.88	36.22	37.36	44.60	45.60
		功率 Power	10.20	11.60	12.34	14.28	13.22	15.40
BBZ041-2S	24	冷量 Capacity	27.70	29.06	43.60	45.20	53.60	55.20
		功率 Power	12.54	14.30	15.12	17.44	16.18	18.80
BBZ048-2S	30	冷量 Capacity	32.72	34.72	52.00	54.20	64.00	66.20
		功率 Power	14.42	16.36	17.44	19.98	18.64	21.58
BBZ056-2S	40	冷量 Capacity	37.84	40.00	60.20	62.40	74.00	76.40
		功率 Power	17.18	19.24	21.02	23.82	22.68	25.82
BBZ072-2S	50	冷量 Capacity	48.40	52.80	76.80	81.20	94.40	98.80
		功率 Power	21.70	26.60	26.36	32.20	28.34	34.62
BBZ083-2S	60	冷量 Capacity	55.80	61.40	88.00	94.00	108.00	114.00
		功率 Power	25.66	31.12	30.98	37.76	33.34	40.80
BBZ109-2S	70	冷量 Capacity	72.80	79.20	115.20	121.80	141.60	148.20
		功率 Power	32.58	40.20	39.56	48.60	42.60	52.20
BBZ050-3S	30	冷量 Capacity	34.32	35.82	54.33	56.04	66.90	68.40
		功率 Power	15.30	17.40	18.51	21.42	19.83	23.10
BBZ073-3S	45	冷量 Capacity	49.08	52.08	78.00	81.30	96.00	99.30
		功率 Power	21.63	24.54	26.16	29.97	27.96	32.37
BBZ084-3S	60	冷量 Capacity	56.76	60.00	90.30	93.60	111.00	114.60
		功率 Power	25.77	28.86	31.53	35.73	34.02	38.73
BBZ114-3S	80	冷量 Capacity	76.30	83.50	120.80	128.20	148.40	155.80
		功率 Power	34.53	42.16	41.85	51.08	45.01	55.02
BBZ125-3S	90	冷量 Capacity	83.70	92.10	132.00	141.00	162.00	171.00
		功率 Power	38.49	46.68	46.47	56.64	50.01	61.20
BBZ171-3S	110	冷量 Capacity	114.70	125.20	181.20	192.10	222.70	233.60
		功率 Power	51.84	63.70	62.76	77.00	67.60	82.80
BBZ187-3S	120	冷量 Capacity	125.70	138.00	198.00	210.90	243.30	256.20
		功率 Power	57.78	70.50	69.60	85.20	75.00	91.80
BBZ210-3S	140	冷量 Capacity	142.10	156.00	222.60	237.50	272.90	288.00
		功率 Power	67.26	80.30	81.20	97.20	87.60	105.00
BBZ222-3S	150	冷量 Capacity	150.30	165.00	234.90	250.80	287.70	303.90
		功率 Power	72.00	85.20	87.00	103.20	93.90	111.60
BBZ081-4S	48	冷量 Capacity	55.40	58.12	87.26	90.40	107.20	110.40
		功率 Power	25.08	28.60	30.24	34.88	32.36	37.60
BBZ261-4S	170	冷量 Capacity	175.80	193.00	276.30	294.50	339.20	357.50
		功率 Power	81.78	98.90	98.60	119.60	106.30	129.00
BBZ311-5S	200	冷量 Capacity	209.50	230.00	330.00	351.50	405.50	427.00
		功率 Power	96.30	117.50	116.00	142.00	125.00	153.00
BBZ370-5S	250	冷量 Capacity	250.50	275.00	391.50	418.00	479.50	506.50
		功率 Power	120.00	142.00	145.00	172.00	156.50	186.00
BBZ373-6S	240	冷量 Capacity	251.40	276.00	396.00	421.80	486.60	512.40
		功率 Power	115.56	141.00	139.20	170.40	150.00	183.60

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

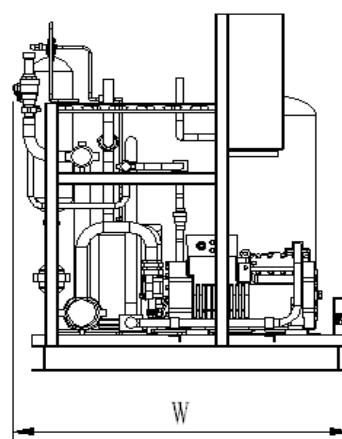
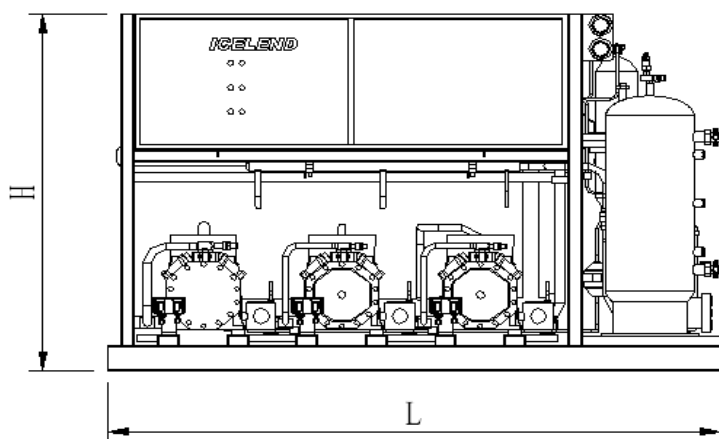
2.冷凝温度为 40℃，吸气温度 20℃。condensing temperature 40℃, inspiration temperature 20℃.

中高温单级活塞并联机组技术参数表

The Technical Parameter of Mid-High Temp. Single-Stage Parallel Piston-Compressor Units

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight	机房通风量 (m³/h) Engine room ventilation
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大电流 Compressor maximum current	启动电流 Start-up current		
BBZ034-2F	20	2000	1350	1600	35	22	42	42	71	600	2400
BBZ034-2S											
BBZ041-2F	24	2000	1350	1600	42	22	42	48	84	600	2800
BBZ041-2S											
BBZ048-2S	30	2000	1350	1600	42	22	54	62	97	650	3500
BBZ056-2F	40	2000	1350	1600	42	28	54	74	117	700	4200
BBZ056-2S											
BBZ072-2F	50	2000	1350	1600	54	28	67	90	141	800	5200
BBZ072-2S											
BBZ083-2F	60	2000	1350	1600	54	2×22	2×42	106	165	800	6100
BBZ083-2S											
BBZ109-2F	70	2000	1350	1600	54	2×28	2×54	122	185	800	7500
BBZ109-2S											
BBZ050-3S	30	2260	1350	1600	42	28	54	63	82	1000	3400
BBZ061-3F	36	2260	1350	1600	42	28	54	72	98	1000	3800
BBZ065-3F	40	2260	1350	1600	42	28	67	83	133	1100	4800
BBZ073-3S	45	2260	1350	1600	42	28	67	93	113	1100	5500
BBZ084-3F	60	2260	1350	1600	54	2×22	2×42	111	136	1100	6100
BBZ084-3S											
BBZ114-3F	80	2600	1350	1600	54	2×28	2×54	143	185	1200	8900
BBZ114-3S											
BBZ125-3F	90	2600	1350	1600	54	3×28	3×54	159	194	1200	9400
BBZ125-3S											
BBZ171-3F	110	2600	1400	1600	67	3×28	3×67	200	256	1300	11000
BBZ171-3S											
BBZ187-3F	120	2700	1400	1600	67	3×28	3×67	234	272	1300	13900
BBZ187-3S											

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical data		机组重量 (kg) Unit weight	机房通风 量 (m³/h) Engine room ventilation
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机 最大电流 Compressor maximum current	启动电 流 Start-up current		
BBZ210-3F	140	2700	1400	1600	67	3×35	3×67	262	334	1300	16200
BBZ210-3S											
BBZ222-3F	150	2700	1400	1600	67	4×28	4×54	276	350	1300	16700
BBZ222-3S											
BBZ067-4F	40	3200	1400	1600	42	28	54	84	94	1500	4200
BBZ081-4S	48	3200	1400	1600	54	35	67	96	111	1600	4600
BBZ261-4F	170	4000	1450	1600	67	4×28	4×67	326	365	1900	19500
BBZ261-4S											
BBZ311-5F	200	4500	1450	1600	79	5×28	5×67	390	365	2400	22200
BBZ311-5S											
BBZ370-5F	250	4500	1450	1600	79	5×35	5×67	460	474	2400	27800
BBZ370-5S											
BBZ373-6F	240	5000	1450	1600	79	5×35	5×67	468	411	2800	25000
BBZ373-6S											



中低温单级活塞并联机组制冷量、输入功率参数表

The Capacity and Power of Mid-Low Temp. Single-Stage Parallel Piston-Compressor Units

kW (5 0 H z 3 8 0 v)

机组型号 Unit model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -40℃		蒸发温度 Evaporating temp -30℃		蒸发温度 Evaporating temp -25℃	
			R22	R404A	R22	R404A	R22	R404A
BBD015-2F	16	冷量 Capacity	6.88	7.80	14.80	15.60	19.92	20.58
		功率 Power	7.06	7.24	10.40	11.20	11.90	13.14
BBD017-2F	20	冷量 Capacity	7.96	8.96	17.18	18.06	23.12	23.92
		功率 Power	8.08	8.18	11.58	12.68	13.48	15.00
BBD020-2F	24	冷量 Capacity	9.32	10.42	20.04	20.96	26.98	27.72
		功率 Power	9.62	9.64	13.60	14.90	15.76	17.62
BBD025-2F	30	冷量 Capacity	11.26	16.12	25.22	29.96	34.32	38.80
		功率 Power	11.68	14.86	17.84	21.70	20.82	25.18
BBD029-2F	40	冷量 Capacity	13.14	18.70	29.32	34.80	39.82	45.00
		功率 Power	14.18	17.30	21.52	25.08	24.96	29.06
BBD034-2F	45	冷量 Capacity	15.02	21.26	33.58	39.70	45.71	51.50
		功率 Power	15.83	19.55	24.13	28.70	28.09	33.36
BBD038-2F	50	冷量 Capacity	16.90	23.82	37.84	44.60	51.60	58.00
		功率 Power	17.48	21.80	26.74	32.32	31.22	37.66
BBD044-2F	60	冷量 Capacity	19.72	26.90	44.00	50.60	59.80	65.60
		功率 Power	21.38	24.32	32.24	36.64	37.44	42.60
BBD022-3F	24	冷量 Capacity	10.32	11.70	22.20	23.40	29.88	30.87
		功率 Power	10.59	10.86	15.60	16.80	17.85	19.71
BBD030-3F	36	冷量 Capacity	13.98	15.63	30.06	31.44	40.47	41.58
		功率 Power	14.43	14.46	20.40	22.35	23.64	26.43
BBD044-3F	60	冷量 Capacity	19.71	28.05	43.98	52.20	59.73	67.50
		功率 Power	21.27	25.95	32.28	37.62	37.44	43.59
BBD053-3F	70	冷量 Capacity	23.47	33.17	52.50	62.00	71.51	80.50
		功率 Power	24.57	30.45	37.50	44.86	43.70	52.19
BBD057-3F	75	冷量 Capacity	25.35	35.73	56.76	66.90	77.40	87.00
		功率 Power	26.22	32.70	40.11	48.48	46.83	56.49
BBD066-3F	90	冷量 Capacity	29.58	40.35	66.00	75.90	89.70	98.40
		功率 Power	31.92	36.48	48.36	54.96	56.16	63.90
BBD071-3F	100	冷量 Capacity	32.01	42.16	70.70	80.10	95.80	104.10
		功率 Power	34.26	38.55	51.66	58.04	60.04	67.60
BBD080-3F	120	冷量 Capacity	36.87	45.78	80.10	88.50	108.00	115.50
		功率 Power	38.94	42.69	58.26	64.20	67.80	75.00
BBD040-4F	48	冷量 Capacity	18.64	20.84	40.08	41.92	53.96	55.44
		功率 Power	19.24	19.28	27.20	29.80	31.52	35.24
BBD059-4F	80	冷量 Capacity	26.28	37.40	58.54	69.60	79.64	90.00
		功率 Power	28.36	34.60	43.04	50.16	49.92	58.12
BBD088-4F	120	冷量 Capacity	39.44	53.80	88.00	101.20	119.60	131.20
		功率 Power	42.56	48.64	64.48	73.28	74.88	85.20
BBD107-4F	160	冷量 Capacity	49.16	61.04	106.80	118.00	144.00	154.00
		功率 Power	51.92	56.92	77.68	85.60	90.40	100.00
BBD124-5F	180	冷量 Capacity	56.59	72.68	124.10	139.10	167.80	181.10
		功率 Power	60.22	67.01	90.50	100.84	105.24	117.60
BBD160-6F	240	冷量 Capacity	73.74	91.56	160.20	177.00	216.00	231.00
		功率 Power	77.88	85.38	116.52	128.40	135.60	150.00

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

2.冷凝温度为 45℃，吸气温度 20℃。condensing temperature 45℃, inspiration temperature 20℃.

kW (50Hz 380v)

机组型号 Unit model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -40℃		蒸发温度 Evaporating temp -30℃		蒸发温度 Evaporating temp -25℃	
			R22	R404A	R22	R404A	R22	R404A
BBD015-2S	16	冷量 Capacity	8.02	9.16	16.40	17.66	22.00	23.12
		功率 Power	7.02	7.48	10.12	11.14	11.40	12.92
BBD017-2S	20	冷量 Capacity	9.26	10.48	19.00	20.44	25.42	26.80
		功率 Power	8.04	8.50	11.36	12.70	13.12	14.82
BBD020-2S	24	冷量 Capacity	10.80	12.24	22.08	23.68	29.80	31.02
		功率 Power	9.50	9.98	13.32	14.88	15.28	17.42
BBD025-2S	30	冷量 Capacity	12.86	18.46	27.66	33.42	37.00	43.00
		功率 Power	11.80	14.92	17.34	21.28	19.52	24.48
BBD029-2S	40	冷量 Capacity	15.04	21.06	32.12	38.48	43.00	49.60
		功率 Power	14.28	17.30	20.70	24.58	22.84	28.24
BBD038-2S	50	冷量 Capacity	19.32	26.88	41.60	49.40	55.60	63.80
		功率 Power	17.72	21.84	26.02	31.66	29.26	36.56
BBD048-2S	60	冷量 Capacity	22.56	30.26	48.20	55.80	64.40	72.00
		功率 Power	21.36	24.40	31.00	35.78	34.28	41.40
BBD053-2S	80	冷量 Capacity	27.94	35.14	58.20	66.00	77.40	85.60
		功率 Power	26.12	28.80	37.22	42.20	42.80	48.80
BBD018-3S	18	冷量 Capacity	9.84	11.16	20.19	21.69	27.03	28.41
		功率 Power	8.07	8.85	12.18	13.56	13.89	15.84
BBD022-3S	24	冷量 Capacity	12.03	13.74	24.60	26.49	33.00	34.68
		功率 Power	10.53	11.22	15.18	16.71	17.10	19.38
BBD026-3S	30	冷量 Capacity	13.89	15.72	28.50	30.66	38.13	40.20
		功率 Power	12.06	12.75	17.04	19.05	19.68	22.23
BBD038-3S	45	冷量 Capacity	19.29	27.69	41.49	50.13	55.50	64.50
		功率 Power	17.70	22.38	26.01	31.92	29.28	36.72
BBD044-3S	60	冷量 Capacity	22.56	31.59	48.18	57.72	64.50	74.40
		功率 Power	21.42	25.95	31.05	36.87	34.26	42.36
BBD057-3S	75	冷量 Capacity	28.98	40.32	62.40	74.10	83.40	95.70
		功率 Power	26.58	32.76	39.03	47.49	43.89	54.84
BBD066-3S	90	冷量 Capacity	33.84	45.39	72.30	83.70	96.60	108.00
		功率 Power	32.04	36.60	46.50	53.67	51.42	62.10
BBD071-3S	100	冷量 Capacity	36.53	47.83	77.30	88.80	103.10	114.80
		功率 Power	34.42	38.80	49.61	56.88	55.68	65.80
BBD080-3S	120	冷量 Capacity	41.91	52.71	87.30	99.00	116.10	128.40
		功率 Power	39.18	43.20	55.83	63.30	64.20	73.20
BBD034-4S	40	冷量 Capacity	18.52	20.96	38.00	40.88	50.84	53.60
		功率 Power	16.08	17.00	22.72	25.40	26.24	29.64
BBD050-4S	60	冷量 Capacity	25.72	36.92	55.32	66.84	74.00	86.00
		功率 Power	23.60	29.84	34.68	42.56	39.04	48.96
BBD076-4S	100	冷量 Capacity	38.64	53.76	83.20	98.80	111.20	127.60
		功率 Power	35.44	43.68	52.04	63.32	58.52	73.12
BBD107-4S	160	冷量 Capacity	55.88	70.28	116.40	132.00	154.80	171.20
		功率 Power	52.24	57.60	74.44	84.40	85.60	97.60
BBD124-5S	180	冷量 Capacity	64.47	82.97	135.50	154.80	180.50	200.40
		功率 Power	60.54	67.60	86.83	99.08	98.48	114.60
BBD160-6S	240	冷量 Capacity	83.82	105.42	174.60	198.00	232.20	256.80
		功率 Power	78.36	86.40	111.66	126.60	128.40	146.40

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

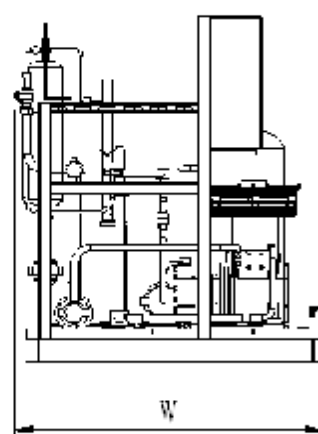
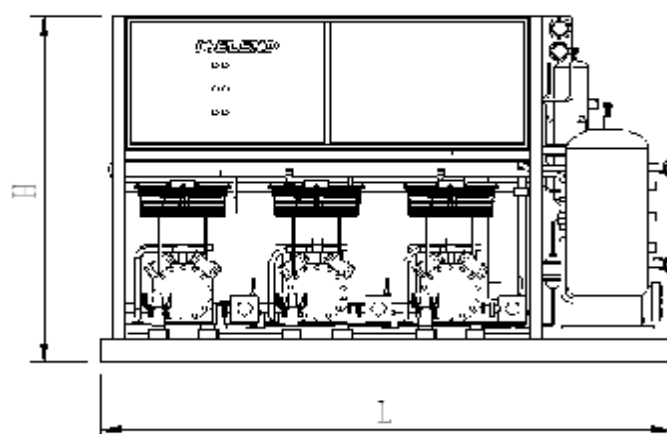
2.冷凝温度为 40℃，吸气温度 20℃。condensing temperature 45℃, inspiration temperature 20℃.

中低温单级活塞并联机组技术参数表

The Technical Parameter of Mid-Low Temp. Single-Stage Parallel Piston-Compressor Units

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit Weight	机房通风量 (m³/h) Engine room ventilation
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大电流 Compressor maximum current	启动电流 Start-up current		
BBD015-2F	16	2000	1350	1600	35	16	42	34	58	600	900
BBD015-2S											
BBD017-2F	20	2000	1350	1600	35	22	42	42	70	600	1000
BBD017-2S											
BBD020-2F	24	2000	1350	1600	35	22	42	48	82	650	1200
BBD020-2S											
BBD025-2F	30	2000	1350	1600	42	22	54	62	97	700	1600
BBD025-2S											
BBD029-2F	40	2000	1350	1600	42	22	67	74	116	700	1800
BBD029-2S											
BBD034-2F	45	2000	1350	1600	42	22	67	82	135	800	2400
BBD038-2F	50	2000	1350	1600	42	22	67	90	140	800	2400
BBD038-2S											
BBD044-2F	60	2000	1350	1600	54	2×22	2×54	106	164	900	2800
BBD044-2S											
BBD053-2S	80	2000	1350	1600	54	2×22	2×54	156	220	1000	3800
BBD018-3S	18	2260	1350	1600	35	16	42	42	54	1200	1000
BBD022-3F	24	2260	1350	1600	42	22	42	51	67	1300	1200
BBD022-3S											
BBD026-3S	30	2600	1350	1600	42	22	54	63	81	1300	1600
BBD030-3F	36	2600	1350	1600	42	22	54	72	95	1300	1700
BBD038-3S	45	2600	1350	1600	42	22	67	93	113	1300	2400
BBD044-3F	60	2600	1350	1600	54	2×22	2×54	111	136	1400	2800
BBD044-3S											
BBD053-3F	70	2600	1350	1600	54	2×22	2×54	127	160	1500	3200
BBD057-3F	75	2600	1350	1600	54	2×22	2×54	135	164	1600	3500
BBD057-3S											
BBD066-3F	90	2600	1350	1600	54	3×22	3×54	159	193	1700	4200
BBD066-3S											
BBD071-3F	100	2700	1400	1700	54	3×22	3×54	184	238	1800	4700
BBD071-3S											

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) external pipe dimension			电气参数(A) Electrical data		机组重量 (kg) Unit weight	机房通风量(m³/h) Engine room ventilation
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大电流 Compressor maximum current	启动电流 Start-up current		
BBD080-3F BBD080-3S	120	2700	1400	1700	54	3×22	3×54	234	260	1600	5100
BBD034-4S	40	3200	1350	1600	54	22	54	84	91	1800	1800
BBD040-4F	48	3200	1400	1600	54	22	67	96	115	2000	2400
BBD050-4S	60	3200	1400	1600	54	2×22	2×54	124	129	2200	2800
BBD059-4F	80	3200	1450	1600	54	2×22	2×54	148	155	2200	3800
BBD076-4S	100	4500	1450	1700	54	3×22	3×54	180	188	2200	4700
BBD088-4F	120	4500	1450	1700	67	3×22	3×54	212	222	2300	5100
BBD107-4F BBD107-4S	160	4500	1450	1700	67	4×22	4×54	312	299	2500	6800
BBD124-5F BBD124-5S	180	4500	1450	1700	67	4×28	4×67	340	252	2600	7800
BBD160-6F BBD160-6S	240	5000	1450	1700	67	5×28	5×67	468	379	2900	10100



艾斯兰德® 双层活塞并联制冷机组

ICELEND® Double-decked Semi-Hermetic Parallel Compressor Units



机组主要配置

Main Collocation of the Units

1. 主要零部件品牌: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly

1. Main Components: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly

2. 压缩机配件 (单台配件)

2. Compressor Fittings (Single)

- ◇ 压缩机高压保护开关
- ◇ 压缩机油压开关
- ◇ 曲轴箱加热器
- ◇ 吸气过滤器
- ◇ 压缩机油位调节器
- ◇ 低温单级压缩机缸头冷却风扇

- ◇ Compressor high and low pressure protector
- ◇ Compressor oil pressure switch
- ◇ Crankcase heater
- ◇ Inhale filter
- ◇ Compressor oil adjuster
- ◇ Low-temp single-stage cylinder cooling fan

3. 压缩机类型及制冷剂

3. Compressor type and refrigerant

—制冷剂 R22 或 R404A

—refrigerant R22 or R404A

- ◇ 半封闭中温单级压缩机
- ◇ 半封闭低温单级压缩机

- ◇ Semi-Hermetic Mid-temp single-stage Compressor
- ◇ Semi-Hermetic Low-temp single-stage Compressor

4. 排气组件

4. Gas discharge components

- ◇ 油分离器出口单向阀和球阀
- ◇ 油分离器
- ◇ 储油器
- ◇ 油路过滤器, 油镜

- ◇ Oil separator check valve and ball valve
- ◇ Oil separator
- ◇ Oil receiver
- ◇ Oil filter and oil sight-glass

5. 储液器组件

5. Receiver components

- ◇ 立式储液器, 配有 24bar 安全阀
- ◇ 储液器出口截止阀 (球阀)
- ◇ 液镜
- ◇ 储液器出口干燥过滤器
- ◇ 干燥器出口配有截止阀 (球阀)

- ◇ Vertical receiver, 24bar pressure relief valve
- ◇ Receiver export shut-off valve (ball valve)
- ◇ Liquid sight-glass
- ◇ Receiver export dry filter
- ◇ Drier export shut-off valve (ball valve)

6. 机组保护组件

6. The unit's protecting components

- ◇ 机组高、低压保护器
- ◇ 电机过载, 电流、电压异常等相应的电气保护元件

- ◇ The unit high and low protector
- ◇ The electrical protecting components of electromotor over loading, exceptional over current etc

7. 供液支管及回气支管组件

- ◇带球阀三支路，标准配置

8. 其他

- ◇机组低压表
- ◇机组高压表

9. 客户可选项

- ◇排气管配置消音鼓或者避震管
- ◇具有能量管理系统的控制面板
- ◇标准控制，程序控制或智能控制方式
- ◇热回收或热水回收装置
- ◇高低压传感器
- ◇支路数量
- ◇过冷器

7. Components of Liquid supply and gas return spur track

- ◇Three spur tracks with ball valve, Standard Configuration

8. Other

- ◇Low pressure meter
- ◇High pressure meter

9. The selective components of the client

- ◇Muffle or shock absorber for vent-pipe
- ◇The energy system's control panel with management
- ◇Standard , Procedure or intelligence control mode
- ◇Heat recovery or hot water recovery installment
- ◇High and low pressure transducer
- ◇Volume slip
- ◇Subcooler

中高温和中低温单级双层活塞并联机组制冷量输入功率参数表

The Capacity and Power of High-Mid-Low Temperature Double-decked Parallel Piston-Compressor Units

kW (50Hz 380V)

机组型号 Unit model	匹数 HP	蒸发温度 Evaporating temp				蒸发温度 Evaporating temp				蒸发温度 Evaporating temp			
		M -20℃		L -40℃		M -10℃		L -30℃		M -5℃		L -25℃	
		R22		R404A		R22		R404A		R22		R404A	
		冷量	功率	冷量	功率	冷量	功率	冷量	功率	冷量	功率	冷量	功率
		Capacity	Power	Capacity	Power	Capacity	Power	Capacity	Power	Capacity	Power	Capacity	Power
BBD026 Z050-6F	中温 M 30	31.62	15.81	31.92	17.76	50.46	19.47	50.46	22.29	62.10	21.06	61.80	24.30
	低温 L 30	11.94	12.12	13.44	12.27	25.77	17.37	27.15	19.02	34.68	20.22	35.88	22.50
BBD030 Z065-6F	中温 M40	40.78	20.21	41.72	22.56	65.22	24.81	65.82	28.11	80.30	26.82	80.60	30.66
	低温 L36	13.98	14.43	15.63	14.46	30.06	20.40	31.44	22.35	40.47	23.64	41.58	26.43
BBD038 Z084-6F	中温 M60	52.41	26.43	53.67	29.22	84.00	32.97	84.90	36.90	103.80	35.97	104.10	40.41
	低温 L45	16.89	17.52	24.18	22.29	37.83	26.76	44.94	32.55	51.48	31.23	58.20	37.77
BBD044 Z092-6F	中温 M75	68.10	34.23	72.00	41.22	108.30	42.00	111.30	50.73	133.50	45.39	135.60	54.99
	低温 L60	19.71	21.27	28.05	25.95	43.98	32.28	52.20	37.62	59.73	37.44	67.50	43.59
BBD048 Z114-6F	中温 M80	71.60	36.45	75.90	43.53	113.70	44.52	117.20	53.60	140.00	48.10	142.60	58.16
	低温 L65	21.59	22.92	30.61	28.20	48.24	34.89	57.10	41.24	65.62	40.57	74.00	47.89

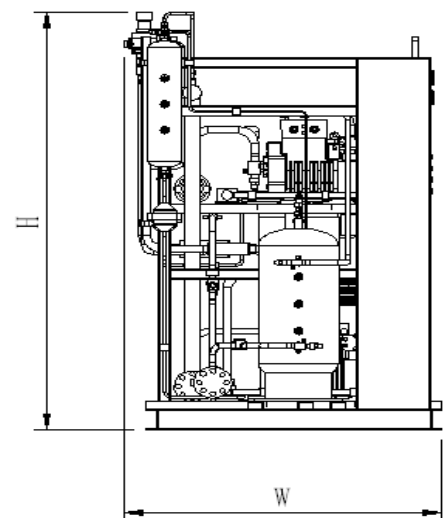
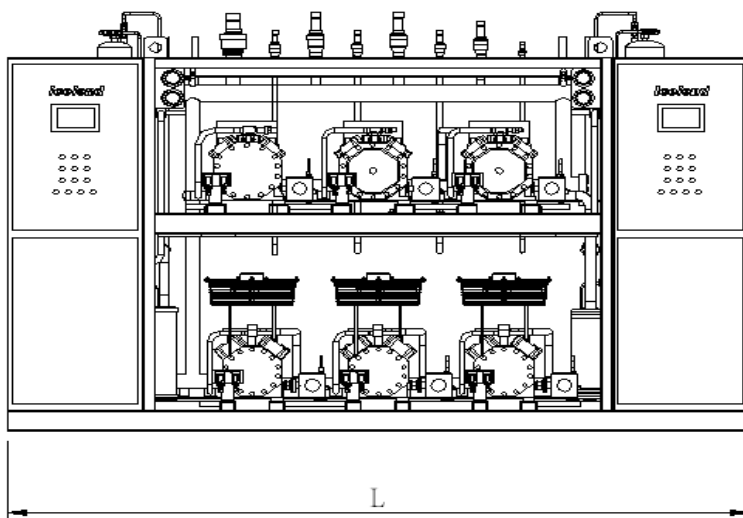
说明 1. 以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

2. 冷凝温度为 45℃，吸气温度 20℃。condensing temperature 45℃, inspiration temperature 20℃.

高中低温双层单级活塞并联机组技术参数表

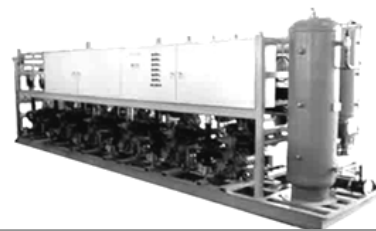
The Technical Parameter of High-mid-Low Temp. Double-decked Single-Stage Parallel Piston-Compressor Units

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension						电气参数(A) Electrical date				机组重量 (kg) Unit weight	机房通风量 (m³/h) Engine room ventilation
					中温 Mid temp			低温 Low temp			中温 Mid temp		低温 Low temp			
		长 L	宽 W	高 H	排气 Gas discharge	供液 Liquid supply	回气 Gas return	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大电流 Compressor max current	启动电流 Start-up current	压缩机最大电流 Compressor max current	启动电流 Start-up current		
BBD026 Z050-6F	M30 L30	3100	1200	2100	42	28	54	42	22	54	63	82	63	81	2000	5200
BBD030 Z065-6F	M40 L36	3100	1200	2100	42	28	67	42	22	54	83	109	72	95	2000	6500
BBD038 Z084-6F	M60 L45	3200	1200	2100	54	2×22	2×42	54	28	67	111	136	93	113	2200	8700
BBD044 Z092-6F	M75 L60	3300	1200	2100	54	2×28	2×54	54	2×22	2×54	135	155	111	136	2400	11300
BBD048 Z114-6F	M80 L65	3400	1300	2100	54	2×28	2×67	54	2×22	2×67	143	185	119	155	2400	12100



艾斯兰德®双级活塞并联制冷机组

ICELEND® Double-Stage Semi-Hermetic Parallel Compressor Units



机组主要配置

1. 主要零部件品牌: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly
2. 压缩机配件 (单台配件)
 - ◇ 压缩机高压保护开关
 - ◇ 压缩机油压开关
 - ◇ 曲轴箱加热器
 - ◇ 吸气过滤器
 - ◇ 压缩机油位调节器
 - ◇ 低温单级压缩机缸头冷却风扇
 - ◇ 中冷器
3. 压缩机类型及制冷剂
 - 制冷剂 R22 或 R404A
 - ◇ 半封闭低温双级压缩机
4. 排气组件
 - ◇ 油分离器出口单向阀和球阀
 - ◇ 油分离器
 - ◇ 储油器
 - ◇ 油路过滤器, 油镜
5. 储液器组件
 - ◇ 立式储液器, 配有 24bar 安全阀
 - ◇ 储液器出口截止阀 (球阀)
 - ◇ 液镜
 - ◇ 储液器出口干燥过滤器
 - ◇ 干燥器出口配有截止阀 (球阀)
6. 机组保护组件
 - ◇ 机组高、低压保护器
 - ◇ 电机过载, 电流、电压异常等相应的电气保护元件
7. 供液支管及回气支管组件
 - ◇ 带球阀三支路, 标准配置
8. 其他
 - ◇ 机组低压表
 - ◇ 机组高压表
9. 客户可选项
 - ◇ 排气管配置消音鼓或者避震管

Main Collocation of the Units

1. Main Components: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly
2. Compressor Fittings (Single)
 - ◇ Compressor high and low pressure protector
 - ◇ Compressor oil pressure switch
 - ◇ Crankcase heater
 - ◇ Inhale filter
 - ◇ Compressor oil adjuster
 - ◇ Low-temp single-stage cylinder cooling fan
 - ◇ Intercooler
3. Compressor type and refrigerant
 - refrigerant R22 or R404A
 - ◇ Semi-Hermetic Low-temp double-stage Compressor
4. Gas discharge components
 - ◇ Oil separator check valve and ball valve
 - ◇ Oil separator
 - ◇ Oil receiver
 - ◇ Oil filter and oil sight-glass
5. Receiver components
 - ◇ Vertical receiver, 24bar pressure relief valve
 - ◇ Receiver export shut-off valve (ball valve)
 - ◇ Liquid sight-glass
 - ◇ Receiver export dry filter
 - ◇ Drier export shut-off valve (ball valve)
6. The unit's protecting components
 - ◇ The unit high and low protector
 - ◇ The electrical protecting components of electromotor over loading, exceptional over current etc
7. Components of Liquid supply and gas return spur track
 - ◇ Three spur tracks with ball valve, Standard Configuration
8. Other
 - ◇ Low pressure meter
 - ◇ High pressure meter
9. The selective components of the client
 - ◇ Muffle or shock absorber for vent-pipe

- ◇具有能量管理系统的控制面板
- ◇标准控制，程序控制或智能控制方式
- ◇热回收或热水回收装置
- ◇高低压传感器
- ◇支路数量

- ◇The energy system's control panel with management
- ◇Standard , Procedure or intelligence control mode
- ◇Heat recovery or hot water recovery installment
- ◇High and low pressure transducer
- ◇Volume slip

低温双级活塞并联机组制冷量、输入功率参数表

The Capacity and Power of Low Temp. Double-Stage Parallel Piston-Compressor Units

kW (5 0 H z 3 8 0 v)

机组型号 Unit model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -40℃		蒸发温度 Evaporating temp -30℃		蒸发温度 Evaporating temp -25℃	
			R22	R404A	R22	R404A	R22	R404A
BSD043-2F	50	冷量 Capacity	35.30	41.60	54.60	58.80	66.20	68.20
		功率 Power	28.14	33.40	35.52	41.00	39.20	45.00
BSD051-2F	60	冷量 Capacity	42.20	49.4	65.40	69.60	79.20	80.80
		功率 Power	33.68	39.96	42.40	48.80	46.80	53.20
BSD048-3F	48	冷量 Capacity	39.78	47.25	61.50	66.90	74.40	78.00
		功率 Power	31.74	37.68	40.05	46.26	44.19	50.82
BSD056-3F	60	冷量 Capacity	46.11	54.54	71.40	77.10	86.40	89.70
		功率 Power	36.78	43.65	46.41	53.55	51.21	53.20
BSD065-3F	75	冷量 Capacity	52.95	62.40	81.90	88.20	99.30	102.30
		功率 Power	42.21	50.10	53.28	61.50	58.80	67.50
BSD077-3F	90	冷量 Capacity	63.30	74.10	98.10	104.40	118.80	121.20
		功率 Power	50.52	59.67	63.60	73.20	70.20	79.80
BSD075-4F	80	冷量 Capacity	61.48	72.72	95.20	103.00	115.20	119.60
		功率 Power	49.04	58.20	61.88	71.40	68.28	78.40
BSD086-4F	100	冷量 Capacity	70.60	83.20	109.2	117.60	132.40	136.40
		功率 Power	56.28	66.80	71.04	82.00	78.40	90.00
BSD103-4F	120	冷量 Capacity	84.40	98.80	130.80	139.20	158.40	161.60
		功率 Power	67.36	79.92	84.80	97.60	93.60	106.40
BSD129-5F	150	冷量 Capacity	105.50	123.50	163.50	174.00	198.00	202.00
		功率 Power	84.20	99.9	106.00	122.00	117.00	133.00
BSD154-6F	180	冷量 Capacity	126.60	148.20	196.20	208.80	237.60	242.40
		功率 Power	101.04	119.80	127.20	146.40	140.40	159.60

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

2.冷凝温度为 45℃，带经济器，吸气温度 20℃。condensing temperature 45℃, inspiration temperature 20℃ with economizer.

kW (50Hz 380V)

机组型号 Unit model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -40℃		蒸发温度 Evaporating temp -30℃		蒸发温度 Evaporating temp -25℃	
			R22	R404A	R22	R404A	R22	R404A
BSD043-2S	50	冷量 Capacity	35.72	42.60	55.20	60.20	66.80	69.80
		功率 Power	26.80	31.70	33.62	38.80	37.02	42.54
BSD051-2S	60	冷量 Capacity	42.70	50.60	66.00	71.40	79.90	83.00
		功率 Power	32.06	37.92	40.22	46.20	44.30	50.40
BSD048-3S	48	冷量 Capacity	40.26	48.30	62.10	68.40	75.30	79.50
		功率 Power	30.21	35.70	37.89	43.74	41.73	48.00
BSD056-3S	60	冷量 Capacity	46.65	55.80	72.00	78.90	87.30	91.80
		功率 Power	35.01	41.37	43.92	50.70	48.36	55.59
BSD065-3S	75	冷量 Capacity	53.58	63.90	82.80	90.30	100.20	104.70
		功率 Power	40.20	47.55	50.43	58.20	55.53	63.90
BSD077-3S	90	冷量 Capacity	64.05	75.90	99.00	107.10	119.85	124.50
		功率 Power	48.09	56.88	60.33	69.30	66.45	75.60
BSD075-4S	80	冷量 Capacity	62.20	74.40	96.00	105.20	116.40	122.40
		功率 Power	46.68	55.16	58.56	67.60	64.48	74.12
BSD086-4S	100	冷量 Capacity	71.44	85.20	110.40	120.40	133.60	139.60
		功率 Power	53.60	63.40	67.24	77.60	74.04	85.20
BSD103-4S	120	冷量 Capacity	85.60	101.20	132.00	142.80	160.00	166.00
		功率 Power	64.12	75.84	80.40	92.40	88.40	100.80
BSD129-5S	150	冷量 Capacity	107.00	126.50	165.00	178.50	200.00	207.50
		功率 Power	80.15	94.80	100.50	115.50	110.50	126.00
BSD154-6S	180	冷量 Capacity	128.40	151.80	198.00	214.20	240.00	249.00
		功率 Power	96.18	113.76	120.60	138.60	132.60	151.20

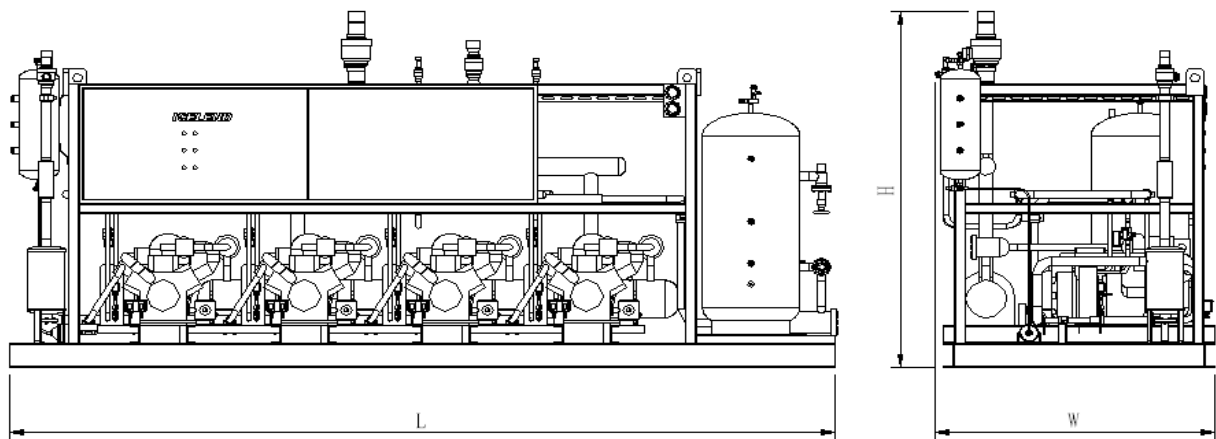
说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

2.冷凝温度为 40℃，带经济器，吸气温度 20℃。condensing temperature 40℃, inspiration temperature 20℃ with economizer.

低温双级活塞并联机组技术参数表

The Technical Parameter of Low Temp. Double-Stage Parallel Piston-Compressor Units

机组型号 Unit model	压缩机 型号 Compressor model	台数 Num	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight	机房通风 量 (m³/h) Engine room ventilation
				长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大 电流 Compressor maximum current	启动 电流 Start-up current		
BSD043-2F	S6G-25.2	2	50	2800	1350	1600	54	2×16	2×54	90	146	1600	4000
BSD043-2S													
BSD051-2F	S6F-30.2	2	60	2800	1350	1600	54	2×16	2×54	106	171	1700	4200
BSD051-2S													
BSD048-3F	S6J-16.2	3	48	3400	1300	1600	42	2×16	2×54	93	125	1300	4500
BSD048-3S													
BSD056-3F	S6H-20.2	3	60	3400	1300	1600	54	2×16	2×54	111	149	1400	5200
BSD056-3S													
BSD065-3F	S6G-25.2	3	75	3400	1300	1600	54	2×22	2×54	135	176	1400	6100
BSD065-3S													
BSD077-3F	S6F-30.2	3	90	3400	1400	1600	54	3×16	3×54	159	207	2100	7000
BSD077-3S													
BSD075-4F	S6H-20.2	4	80	4900	1400	1800	54	3×16	3×54	148	174	1900	6900
BSD075-4S													
BSD086-4F	S6G-25.2	4	100	4900	1400	1800	54	3×22	3×54	180	206	2000	8100
BSD086-4S													
BSD103-4F	S6F-30.2	4	120	4900	1400	1800	67	3×22	3×67	212	243	2000	9600
BSD103-4S													
BSD129-5F	S6F-30.2	5	150	5500	1450	2000	67	4×22	4×67	265	279	2400	12000
BSD129-5S													
BSD154-6F	S6F-30.2	6	180	6000	1450	2000	67	5×22	5×67	318	316	3100	14400
BSD154-6S													



艾斯兰德®螺杆并联压缩机组

ICELEND® Screw Parallel Compressor Units



机组主要配置

1. 主要零部件品牌: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly
2. 压缩机配件 (单台配件)
 - ◇ 压缩机高压保护开关
 - ◇ 压缩机油压开关
 - ◇ 吸气过滤器
 - ◇ 压缩机油位调节器
3. 压缩机类型及制冷剂
 - 制冷剂 R22 或 R404A
 - ◇ 半封闭中温螺杆压缩机
 - ◇ 半封闭低温螺杆压缩机
4. 排气组件
 - ◇ 油分离器出口单向阀
 - ◇ 油分离器, 带视油镜, 储油器
 - ◇ 油冷却器, 进出口带球阀
 - ◇ 油路过滤器, 油流量计
 - ◇ 回油电磁阀, 截止阀
5. 储液器组件
 - ◇ 立式储液器, 配有 24bar 安全阀
 - ◇ 储液器出口截止阀 (球阀)
 - ◇ 液镜, 卸压平衡管
 - ◇ 储液器出口干燥过滤器
 - ◇ 干燥器出口配有截止阀 (球阀)
6. 机组保护组件
 - ◇ 机组高、低压保护器
 - ◇ 电机过载, 过电流、电压异常等相应的电气保护元件
7. 供液支管及回气支管组件
 - ◇ 供液支管及回气支管数量根据用户要求
 - ◇ 支管采用铜管或无缝钢管, 带球阀
 - 回气支管接回气集管
8. 经济器组件
 - ◇ 板式换热器, 出口带球阀
 - ◇ 热力膨胀阀, 调节范围 0%~100%

Main Collocation of the Units

1. Main Components: Alco, Danfoss, Henry, Sporlan, Siemens, Schneider, Johnson, LG, Carly
2. Compressor Fittings(Single)
 - ◇ Compressor high and low pressure protector
 - ◇ Compressor oil pressure switch
 - ◇ Inhale filter
 - ◇ Compressor oil adjuster
3. Compressor type and refrigerant
 - refrigerant R22 or R404A
 - ◇ Semi-Hermetic Mid-temp single-stage Compressor
 - ◇ Semi-Hermetic Low-temp single-stage Compressor
4. Gas discharge components
 - ◇ Oil separator check valve
 - ◇ Oil separator, oil sight-glass and oil receiver
 - ◇ Oil cooler, with ball valves import and export
 - ◇ Oil filter, oil flow meter, oil return solenoid valve,
 - ◇ Oil return electromagnetism valve , exhaust valve
5. Receiver components
 - ◇ Vertical receiver, 24bar pressure relief valve
 - ◇ Receiver export shut-off valve(ball valve)
 - ◇ Liquid sight-glass
 - ◇ Receiver export dry filter
 - ◇ Drier export shut-off valve(ball valve)
6. The unit's protecting components
 - ◇ The unit high and low protector
 - ◇ The electrical protecting components of electromotor over loading, exceptional over current etc
7. Components of Liquid supply and gas return spur track
 - ◇ The Num of spur track bases on the consumer request.
 - ◇ The spur track adopts copper tube or Seamless steel pipe with ball valve, gas return pipe meet the main
8. Economizer components
 - ◇ Plate heat exchanger, with ball valve
 - ◇ Thermostatic expansion valve, Adjustment scope 0% ~ 100%

9.其他

- ◇ 机组低压表
- ◇ 机组高压表

10.客户可选项

- ◇ 具有能量管理系统的控制面板
- ◇ 标准控制，程序控制或智能控制方式
- ◇ 高低压传感器
- ◇ 热回收或热水回收装置

9.Other

- ◇ Low pressure meter
- ◇ High pressure meter

10.The selective components of the client

- ◇ The energy system's control panel with management
- ◇ Standard , Procedure or intelligence control mode
- ◇ High and low pressure transducer
- ◇ Heat recovery or hot water recovery installment

中高温螺杆并联机组制冷量、输入功率参数表

The Capacity and Power of Mid-High Temp. Parallel Screw-Compressor Units

kW (5 0 H z 3 8 0 v)

机组型号 Unit model	压缩机型号 Compressor model	台数 Num	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -10℃	蒸发温度 Evaporating temp -7℃	蒸发温度 Evaporating temp -5℃	蒸发温度 Evaporating temp 0℃
					R22	R22	R22	R22
BLZ188-2S	CSH7551- 70	2	140	冷量 Capacity	253.80	285.00	306.80	365.00
				功率 Power	92.80	93.40	94.00	95.00
BLZ224-2S	CSH7561- 80	2	160	冷量 Capacity	293.40	327.40	351.00	414.00
				功率 Power	109.20	110.00	110.40	111.60
BLZ264-2S	CSH7571- 90	2	180	冷量 Capacity	334.80	371.80	397.60	466.00
				功率 Power	118.40	119.00	119.40	120.20
BLZ310-2S	CSH8551-110	2	220	冷量 Capacity	420.00	472.00	508.00	602.00
				功率 Power	146.80	148.00	148.60	150.20
BLZ365-2S	CSH8561-125	2	250	冷量 Capacity	480.00	536.00	574.00	678.00
				功率 Power	167.40	168.80	169.60	171.80
BLZ432-2S	CSH8571-140	2	280	冷量 Capacity	550.00	610.00	652.00	764.00
				功率 Power	185.60	186.60	187.00	188.20
BLZ464-3S	CSH8551-110	3	330	冷量 Capacity	630.00	708.00	762.00	903.00
				功率 Power	220.20	222.00	222.90	225.30
BLZ548-3S	CSH8561-125	3	375	冷量 Capacity	720.00	804.00	861.00	1017.00
				功率 Power	251.10	253.20	254.40	257.70

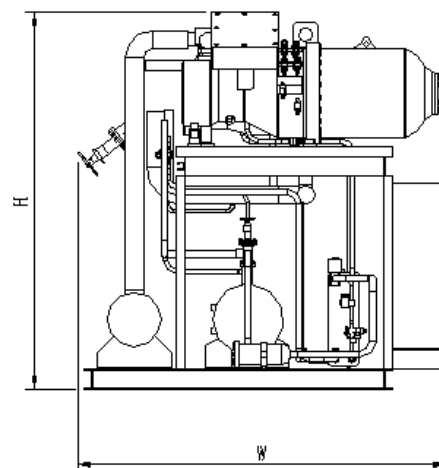
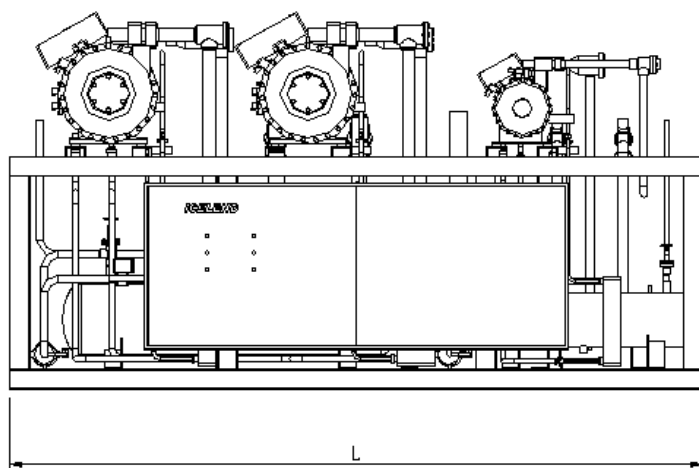
说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

2.冷凝温度为 40℃，带经济器，吸气过热 10K 。condensing temperature 40℃,suction gas superheat 10K with economizer.

中高温螺杆并联机组技术参数表

The Technical Parameter Mid-High Temp. Parallel Screw-Compressor Units

机组型号 Unit model	台数 Num	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight	机房通风量 (m³/h) Engine room ventilation
			长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大电流 Compressor maximum current	启动电流 Start-up current		
BLZ188-2S	2	140	1800	2300	2200	76	2×35	2×89	256	377	1500	18100
BLZ224-2S	2	160	1800	2300	2200	76	2×35	2×108	288	453	1600	20400
BLZ264-2S	2	180	1800	2300	2200	76	2×35	2×108	324	531	1600	22200
BLZ310-2S	2	220	2000	2300	2300	100	2×42	2×108	360	657	2200	25500
BLZ365-2S	2	250	2000	2300	2300	100	3×35	3×108	432	770	2200	30600
BLZ432-2S	2	280	2000	2300	2300	100	3×35	3×108	540	839	2200	34700
BLZ464-3S	3	330	3000	2300	2300	125	3×42	3×108	540	793	3800	38200
BLZ548-3S	3	375	3000	2300	2300	125	3×42	3×108	648	927	3800	45800



低温螺杆并联机组制冷量、输入功率参数表

The Capacity and Power of Low Temp. Parallel Screw-Compressor Units

kW (5 0 H z 3 8 0 v)

机组型号 Unit Model	台数 Num	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -40℃		蒸发温度 Evaporating temp -30℃		蒸发温度 Evaporating temp -25℃		蒸发温度 Evaporating temp -23℃	
				R22	R404A	R22	R404A	R22	R404A	R22	R404A
BLD133-3S	3	180	冷量 Capacity	121.20	136.80	195.30	213.30	240.60	260.10	260.40	280.50
			功率 Power	119.10	148.20	128.10	156.60	132.90	160.80	135.00	162.60
BLD153-3S	3	210	冷量 Capacity	140.70	158.10	222.00	243.3	271.50	295.50	293.40	318.30
			功率 Power	131.70	154.80	141.60	167.40	146.70	173.40	148.80	175.80
BLD167-3S	3	225	冷量 Capacity	153.00	168.60	240.00	256.50	293.10	309.90	316.50	333.60
			功率 Power	140.40	165.90	151.80	182.70	157.80	191.10	160.20	194.70
BLD204-4S	4	280	冷量 Capacity	187.60	210.80	296.00	324.40	362.00	394.00	391.20	424.40
			功率 Power	175.60	206.40	320.00	223.20	195.60	231.20	198.40	234.40
BLD222-4S	4	300	冷量 Capacity	204.00	224.80	314.40	342.00	390.80	413.20	422.00	444.80
			功率 Power	187.20	210.80	202.40	243.60	210.40	254.80	213.60	259.60
BLD255-5S	5	350	冷量 Capacity	234.50	263.50	370.00	405.50	452.50	492.50	489.00	530.50
			功率 Power	219.50	258.00	236.00	279.00	244.50	289.00	248.00	293.00
BLD278-5S	5	375	冷量 Capacity	255.00	281.00	400.00	427.50	488.50	516.50	527.50	556.00
			功率 Power	234.00	276.50	253.00	304.50	263.00	318.50	267.00	324.50
BLD306-6S	6	420	冷量 Capacity	281.40	316.20	444.00	486.60	543.00	591.00	586.80	636.60
			功率 Power	263.40	309.60	283.20	334.80	293.40	346.80	297.60	351.60
BLD334-6S	6	450	冷量 Capacity	306.00	337.20	480.00	513.00	586.20	619.80	633.00	667.20
			功率 Power	280.80	331.80	303.60	365.40	315.60	382.20	320.40	389.40

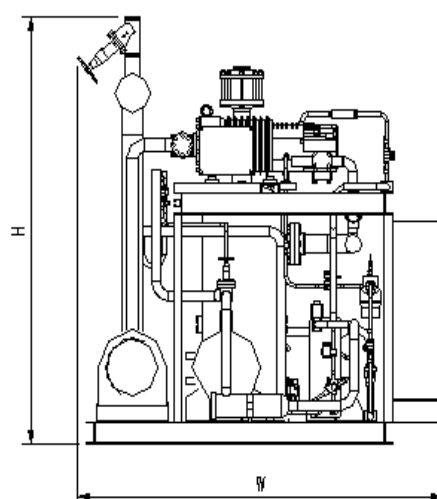
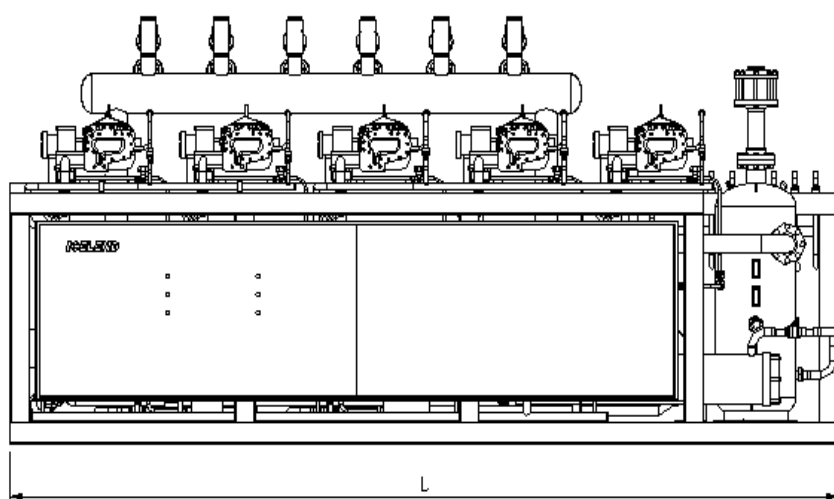
说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

2.冷凝温度为 40℃，带经济器，吸气过热 10K。Condensing temperature 40℃, suction gas superheat 10K with economizer.

低温螺杆并联机组技术参数表

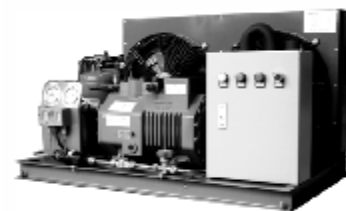
The Technical Parameter Low Temp. Parallel Screw-Compressor Units

机组型号 Unit model	台数 Num	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight	机房通风 量 (m³/h) Engine room ventilation
			长 Length	宽 Width	高 Height	排气 Gad discharge	供液 Liquid supply	回气 Gas return	压缩机最 大电流 Compressor maximum current	启动 电流 Start-up current		
BLD133-3S	3	180	3600	2300	2300	100	2×28	2×89	294	406	2100	8600
BLD153-3S	3	210	3600	2300	2300	100	2×35	2×108	372	443	2100	10000
BLD167-3S	3	225	3600	2300	2300	100	2×35	2×108	432	513	2200	11300
BLD204-4S	4	280	4400	2300	2400	100	3×35	3×108	496	519	3100	13300
BLD222-4S	4	300	4400	2300	2400	100	3×35	3×108	576	595	3200	15100
BLD255-5S	5	350	5200	2300	2400	100	4×35	4×108	620	596	4200	16600
BLD278-5S	5	375	5200	2300	2400	100	4×35	4×108	720	676	4200	18800
BLD306-6S	6	420	6200	2300	2400	100	5×35	5×108	744	673	5100	19900
BLD334-6S	6	450	6200	2300	2400	100	5×35	5×108	864	758	5200	22600



艾斯兰德®半封闭压缩冷凝机组

ICELEND® Semi-Hermetic Compressor Condensing Units



风冷 *Air-cooled*

机组主要配置

Main Collocation of the Units

- | | |
|---|---|
| <p>1.主要零部件品牌: Alco, Danfoss, Sporlan, Siemens, Schneider, Johnson, Carly</p> <p>2.压缩机配件</p> <ul style="list-style-type: none"> ◇压缩机高压保护开关, 油压开关, ◇曲轴箱加热器 ◇压缩机油液镜 <p>3.压缩机类型及制冷剂</p> <ul style="list-style-type: none"> —制冷剂 R22 或 R404A ◇半封闭中温单级压缩机 ◇半封闭低温单级压缩机 <p>4.排气组件</p> <ul style="list-style-type: none"> ◇油分离器,回油管,减震管 <p>5.回气组件</p> <ul style="list-style-type: none"> ◇气液分离器, 减震管 <p>6.机组保护组件</p> <ul style="list-style-type: none"> ◇机组高低压控制器 ◇电机过载, 电流、电压异常等相应的电气保护元件 <p>7.储液器组件</p> <ul style="list-style-type: none"> ◇立式或卧式储液器 ◇储液器出口截止阀 ◇储液器出口干燥过滤器 ◇供液视液镜 ◇供液管路配手阀 <p>8.风冷冷凝器</p> <p>9.其他</p> <ul style="list-style-type: none"> ◇标准电气控制 ◇机组高压表,低压表 | <p>1.Main components: Alco, Danfoss, Sporlan, Siemens, Schneider, Johnson, Carly</p> <p>2.Compressor Fittings</p> <ul style="list-style-type: none"> ◇Compressor H&L pressure protector, oil pressure switch ◇Crankcase heater ◇Compressor oil sight-glass <p>3.Compressor type and refrigerant</p> <ul style="list-style-type: none"> — refrigerant R22 or R404A ◇Semi-Hermetic Mid-temp single-stage Compressor ◇Semi-Hermetic Low-temp single-stage Compressor <p>4.Gas discharge components</p> <ul style="list-style-type: none"> ◇Oil separator Oil return pipe, Shock absorber <p>5.Gas return components</p> <ul style="list-style-type: none"> ◇Suction refrigerant accumulator, Shock absorber <p>6.Protecting components</p> <ul style="list-style-type: none"> ◇Dual pressure controller. ◇The electrical protecting components of electromotor over loading, exceptional over current etc <p>7.Receiver components</p> <ul style="list-style-type: none"> ◇Vertical or horizontal receiver ◇Receiver export shut-off valve ◇Receiver export dry filter ◇Liquid sight-glass ◇Hand Valve for Liquid pipelines <p>8. Air-cooled condenser</p> <p>9.Other</p> <ul style="list-style-type: none"> ◇Standard electric control ◇High pressure meter Low pressure meter |
|---|---|

风冷 *Air-cooled*

中高温半封闭压缩冷凝机组制冷量、输入功率参数表

The Capacity and Power of Mid-High Temp. Semi-Hermetic Compressor Condensing Units

kW (50Hz 380V)

机组型号 Unit model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -20℃		蒸发温度 Evaporating temp -10℃		蒸发温度 Evaporating temp -5℃	
			R22	R404A	R22	R404A	R22	R404A
NBZ003-F	2	冷量 Capacity	2.42	2.28	3.47	3.55	4.29	4.34
		功率 Power	1.43	1.50	1.66	1.81	1.76	1.94
NBZ004-F	3	冷量 Capacity	2.94	2.87	4.22	4.47	5.20	5.45
		功率 Power	1.77	1.82	2.02	2.22	2.16	2.39
NBZ008-F	5	冷量 Capacity	5.45	5.60	8.36	8.68	10.44	10.57
		功率 Power	3.07	3.46	3.58	4.20	3.89	4.51
NBZ013-F	7	冷量 Capacity	8.01	8.32	12.58	12.98	15.65	15.85
		功率 Power	4.42	5.07	5.36	6.18	5.77	6.64
NBZ017-F	10	冷量 Capacity	10.54	10.64	16.82	16.82	20.70	20.60
		功率 Power	5.27	5.92	6.49	7.43	7.02	8.10
NBZ020-F	12	冷量 Capacity	12.77	13.03	20.30	20.40	25.00	24.9
		功率 Power	6.51	7.31	7.97	9.09	8.61	9.89
NBZ024-F	15	冷量 Capacity	15.12	15.54	24.20	24.50	29.80	30.00
		功率 Power	7.47	8.32	9.16	10.34	9.90	11.28
NBZ028-F	20	冷量 Capacity	17.47	17.89	28.00	28.30	34.60	34.70
		功率 Power	8.81	9.74	10.99	12.30	11.99	13.47
NBZ036-F	25	冷量 Capacity	22.70	24.00	36.10	37.10	44.50	45.20
		功率 Power	11.41	13.74	14.00	16.91	15.13	18.33
NBZ042-F	30	冷量 Capacity	26.20	27.90	41.50	43.00	51.00	52.20
		功率 Power	16.63	16.05	16.52	19.78	17.84	21.50
NBZ054-F	35	冷量 Capacity	34.00	36.00	54.30	55.60	66.80	67.80
		功率 Power	17.13	20.80	21.00	25.50	22.70	27.60
NBZ062-F	40	冷量 Capacity	39.30	41.90	62.20	64.30	76.60	78.20
		功率 Power	20.40	24.30	24.80	29.70	26.80	32.20
NBZ074-F	50	冷量 Capacity	47.10	49.90	73.90	76.30	90.70	92.60
		功率 Power	25.40	29.20	30.90	36.00	33.40	39.30
NLZ066-F	50	冷量 Capacity	---	---	80.80	---	97.60	---
		功率 Power	---	---	35.80	---	36.40	---
NLZ085-F	60	冷量 Capacity	---	---	100.8	---	120.90	---
		功率 Power	---	---	43.00	---	43.50	---

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

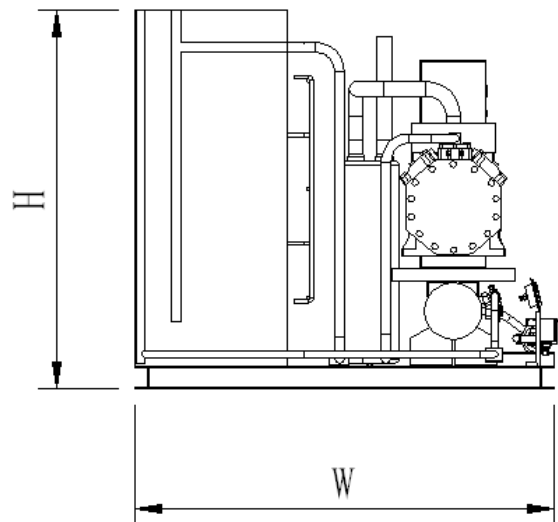
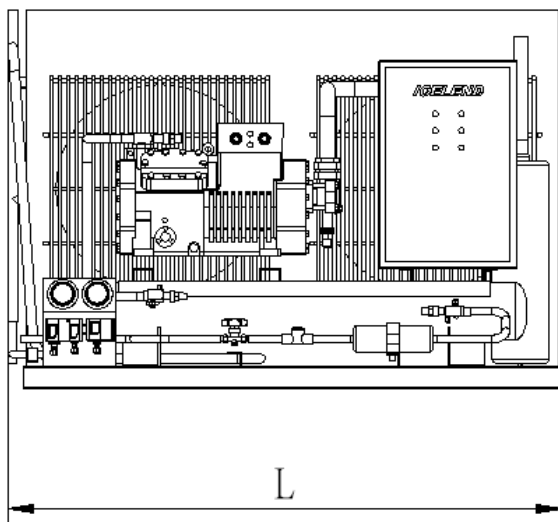
2.冷凝温度为 45℃，吸气温度 20℃。condensing temperature 45℃, inspiration temperature 20℃.

风冷 *Air-cooled*

中高温半封闭压缩冷凝机组技术参数表

The Technical Parameter of Mid-High Temp. Semi-Hermetic Compressor Condensing Units

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大 电流 Compressor maximum current	启动 电流 Start-up current	
NBZ003-F	2	900	600	700	12	10	16	8	23	90
NBZ004-F	3	900	600	700	12	10	16	10	26	90
NBZ008-F	5	1000	700	800	16	12	22	19	63	170
NBZ013-F	7	1000	700	800	22	16	28	28	83	260
NBZ017-F	10	1200	700	1000	22	16	28	21	59	310
NBZ020-F	12	1300	1040	1400	28	16	35	24	69	330
NBZ024-F	15	1300	1070	1400	28	22	42	31	81	370
NBZ028-F	20	1300	1090	1400	28	22	42	37	97	400
NBZ036-F	25	1600	1300	1400	28	22	54	45	116	420
NBZ042-F	30	1600	1300	1400	28	22	54	53	135	450
NBZ054-F	35	1600	1300	1400	35	28	54	61	147	480
NBZ062-F	40	1600	1300	1400	35	28	54	78	180	500
NBZ074-F	50	1600	1300	1400	42	28	54	92	226	520
NLZ066-F	50	500	1000	1000	42	22	54	86	218	350
NLZ085-F	60	600	1100	1000	42	22	54	108	269	350



风冷 *Air-cooled*

中低温半封闭压缩冷凝机组制冷量、输入功率参数表

The Capacity and Power of Mid-Low Temp. Semi-Hermetic Compressor Condensing Units

kW (50Hz 380V)

机组型号 Unit Model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -40℃		蒸发温度 Evaporating temp -30℃		蒸发温度 Evaporating temp -25℃	
			R22	R404A	R22	R404A	R22	R404A
NBD002-F	2	冷量 Capacity	1.14	1.20	2.26	2.40	3.03	3.17
		功率 Power	1.27	1.24	1.77	1.89	2.03	2.21
NBD003-F	3	冷量 Capacity	1.34	1.57	2.77	3.05	3.74	3.99
		功率 Power	1.47	1.60	2.08	2.36	2.35	2.73
NBD005-F	5	冷量 Capacity	2.22	2.59	4.61	5.07	6.17	6.65
		功率 Power	2.70	2.56	3.62	3.88	4.07	4.53
NBD006-F	6	冷量 Capacity	2.76	3.15	6.02	6.35	8.13	8.40
		功率 Power	2.63	2.86	4.13	4.54	4.81	5.36
NBD008-F	8	冷量 Capacity	3.44	3.90	7.40	7.80	9.96	10.29
		功率 Power	3.53	3.62	5.20	5.60	5.95	6.57
NBD009-F	10	冷量 Capacity	3.98	4.48	8.59	9.03	11.56	11.96
		功率 Power	4.04	4.09	5.79	6.34	6.74	7.50
NBD010-F	12	冷量 Capacity	4.66	5.21	10.02	10.48	13.49	13.86
		功率 Power	4.81	4.82	6.80	7.45	7.88	8.81
NBD013-F	15	冷量 Capacity	5.63	8.06	12.61	14.98	17.16	19.40
		功率 Power	5.84	7.43	8.92	10.85	10.41	12.59
NBD015-F	20	冷量 Capacity	6.57	9.35	14.66	17.40	19.91	22.50
		功率 Power	7.09	8.65	10.76	12.54	12.48	14.53
NBD019-F	25	冷量 Capacity	8.45	11.91	18.92	22.30	25.80	29.00
		功率 Power	8.74	10.90	13.37	16.16	15.61	18.83
NBD022-F	30	冷量 Capacity	9.86	13.45	22.00	25.30	29.90	32.80
		功率 Power	10.64	12.16	16.12	18.32	18.72	21.30
NBD027-F	40	冷量 Capacity	12.29	15.26	26.70	29.50	36.00	38.50
		功率 Power	12.98	14.23	19.42	21.40	22.60	25.00
NLD044-F	60	冷量 Capacity	25.40	43.10	62.50	67.30	77.20	82.00
		功率 Power	38.10	55.30	47.60	58.50	49.30	60.10
NLD056-F	75	冷量 Capacity	48.50	53.20	77.00	81.00	94.30	97.90
		功率 Power	51.80	61.60	55.90	67.60	57.90	70.70

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

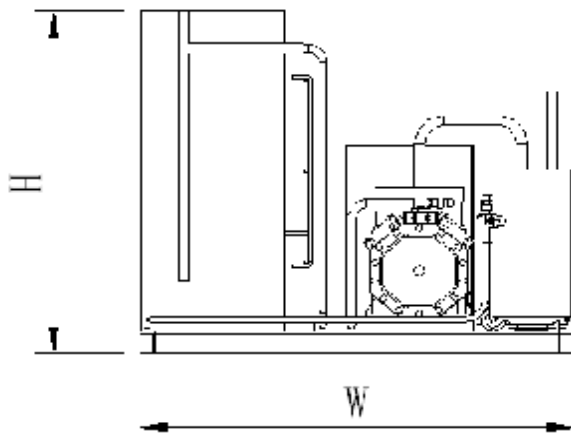
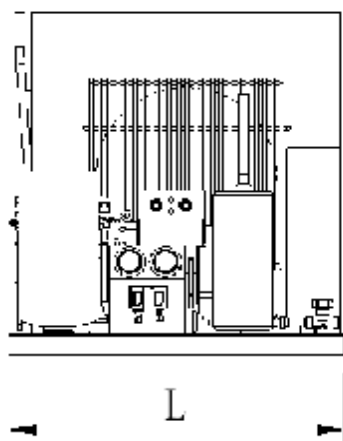
2.冷凝温度为 45℃，吸气温度 20℃。condensing temperature 45℃, inspiration temperature 20℃.

风冷 *Air-cooled*

中低温半封闭压缩冷凝机组技术参数表

The Technical Parameter Mid-Low Temp. Semi-Hermetic Compressor Condensing Units

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机最大 电流 Compressor maximum current	启动 电流 Start-up current	
NBD002-F	2	900	600	700	16	10	22	12	31	230
NBD003-F	3	900	600	700	16	10	22	15	37	230
NBD005-F	5	1400	700	1000	22	12	28	24	62	240
NBD006-F	6	1400	700	1000	22	12	28	14	39	250
NBD008-F	8	1400	700	1000	28	16	35	17	49	260
NBD009-F	10	1400	700	1000	28	16	35	21	59	280
NBD010-F	12	1400	700	1000	28	16	35	24	69	300
NBD013-F	15	1400	800	1100	28	22	42	31	81	320
NBD015-F	20	1400	800	1100	28	22	54	37	97	340
NBD019-F	25	1400	800	1100	35	22	54	45	116	360
NBD022-F	30	1600	900	1200	35	22	54	53	135	370
NBD027-F	40	1600	900	1200	42	28	54	78	180	400
NLD044-F	60	1600	1200	1000	54	22	76	98	267	320
NLD056-F	75	1600	1200	1000	54	22	76	144	350	360



水冷 Water-cooled

机组主要配置

- 1.主要零部件品牌: Alco, Danfoss, Sporlan
Siemens, Schneider, Johnson, Carly
- 2.压缩机配件(单台配件)
 - ◇压缩机高压保护开关
 - ◇压缩机油压开关
 - ◇曲轴箱加热器
 - ◇吸气过滤器
 - ◇压缩机油液镜
 - ◇低温单级压缩机缸头冷却风扇
- 3.压缩机类型及制冷剂
 - 制冷剂 R22 或 R404A
 - ◇半封闭中温单级压缩机
 - ◇半封闭低温单级压缩机
- 4.排气组件
 - ◇油分离器,回油管,减震管
- 5.回气组件
 - ◇气液分离器,减震管
- 6.机组保护组件
 - ◇机组高低压控制器
 - ◇电机过载,电流、电压异常等相应的电气保护元件
- 7.冷凝器组件
 - ◇水冷冷凝器带贮液
 - ◇冷凝器出液口配截止阀
 - ◇供液干燥过滤器
 - ◇供液视液镜
 - ◇供液管路配手阀
- 8.其他
 - ◇标准电气控制
 - ◇机组高压表低压表

Main Collocation of the Units

- 1.Main components: Alco, Danfoss, Sporlan,
Siemens, Schneider, Johnson, Carly
- 2.Compressor Fittings(Single)
 - ◇Compressor high and low pressure protector
 - ◇Compressor oil pressure switch
 - ◇Crankcase heater
 - ◇Inhale filter
 - ◇Compressor oil sight-glass
 - ◇Low-temp single-stage cylinder cooling fan
- 3.Compressor type and refrigerant
 - refrigerant R22 or R404A
 - ◇Semi-Hermetic Mid-temp single-stage Compressor
 - ◇Semi-Hermetic Low-temp single-stage Compressor
- 4.Gas discharge components
 - ◇Oil separator, Oil return pipe, Shock absorber
- 5.Gas return components
 - ◇ Suction refrigerant accumulator, Shock absorber
- 6.Protecting components
 - ◇Dual pressure controller
 - ◇The electrical protecting components of electromotor over loading, exceptional over current etc
- 7.Condenser components
 - ◇Water-cooled condenser having liquid storage
 - ◇Condenser's mouth having the closing valve
 - ◇Liquid dry filters
 - ◇Liquid sight-glass
 - ◇Hand Valve for Liquid pipelines
- 8.Other
 - ◇Standard electric control
 - ◇High pressure meter Low pressure meter

水冷 Water-cooled

中高温半封闭压缩冷凝机组制冷量、输入功率参数表

The Capacity and Power of Mid-High Temp. Semi-Hermetic Compressor Condensing Units

kW (50Hz 380V)

机组型号 Unit model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -20℃		蒸发温度 Evaporating temp -10℃		蒸发温度 Evaporating temp -5℃	
			R22	R404A	R22	R404A	R22	R404A
NBZ003-S	2	冷量 Capacity	2.59	2.54	3.73	3.93	4.60	4.79
		功率 Power	1.37	1.45	1.56	1.72	1.63	1.83
NBZ004-S	3	冷量 Capacity	3.17	3.21	4.54	4.94	5.59	6.02
		功率 Power	1.71	1.77	1.89	2.10	2.00	2.25
NBZ008-S	5	冷量 Capacity	6.01	6.24	9.04	9.58	11.23	11.65
		功率 Power	2.94	3.35	3.40	3.99	3.66	4.25
NBZ013-S	7	冷量 Capacity	8.83	9.27	13.60	14.35	16.83	17.49
		功率 Power	4.26	4.91	5.06	5.88	5.40	6.26
NBZ017-S	10	冷量 Capacity	11.44	11.94	18.11	18.68	22.30	22.80
		功率 Power	5.10	5.80	6.17	7.14	6.61	7.70
NBZ020-S	12	冷量 Capacity	13.85	14.53	21.80	22.60	26.80	27.60
		功率 Power	6.27	7.15	7.56	8.72	8.09	9.40
NBZ024-S	15	冷量 Capacity	16.36	17.36	26.00	27.10	32.00	33.10
		功率 Power	7.21	8.18	8.72	9.99	9.35	10.79
NBZ028-S	20	冷量 Capacity	18.92	20.00	30.10	31.20	37.00	38.20
		功率 Power	8.59	9.62	10.51	11.91	11.34	12.91
NBZ036-S	25	冷量 Capacity	24.20	26.40	38.40	40.60	47.20	49.40
		功率 Power	10.85	13.30	13.18	16.10	14.17	17.31
NBZ042-S	30	冷量 Capacity	27.90	30.70	44.00	47.00	54.00	57.00
		功率 Power	12.83	15.56	15.49	18.88	16.67	20.40
NBZ054-S	35	冷量 Capacity	36.40	39.60	57.60	60.90	70.80	74.10
		功率 Power	16.29	20.10	19.78	24.30	21.30	26.10
NBZ062-S	40	冷量 Capacity	41.90	46.00	66.00	70.30	81.10	85.40
		功率 Power	19.26	23.50	23.20	28.40	25.00	30.60
NBZ074-S	50	冷量 Capacity	50.10	55.00	78.30	83.60	95.90	101.30
		功率 Power	24.00	28.40	29.00	34.40	31.30	37.20

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

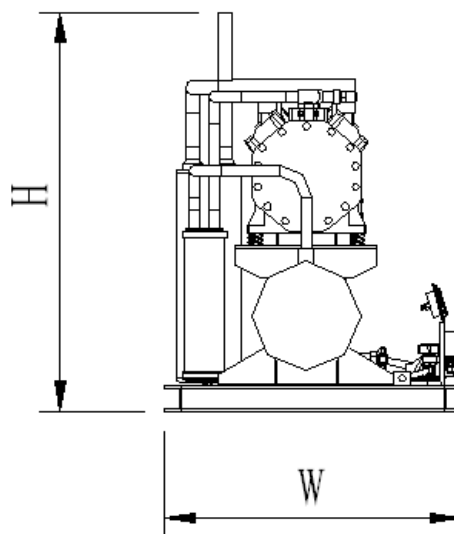
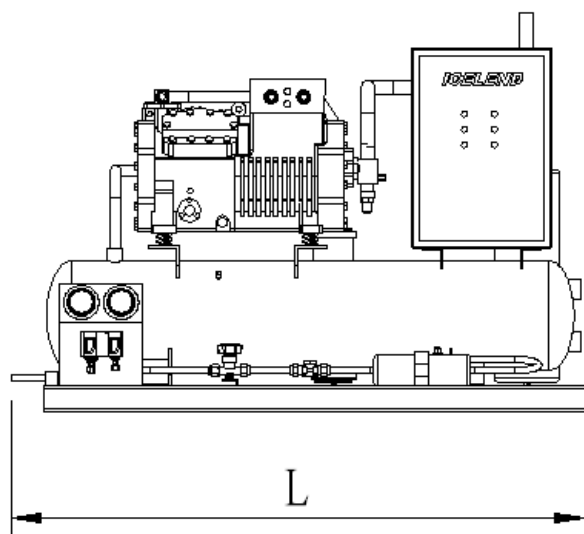
2.冷凝温度为 40℃, 吸气温度 20℃。condensing temperature 40℃, inspiration temperature 20℃.

水冷 Water-cooled

中高温半封闭压缩冷凝机组技术参数表

The Technical Parameter of Mid-High Temp. Semi-Hermetic Compressor Condensing Units

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机 最大电流 Compressor maximum current	启动电流 Start-up current	
NBZ003-S	2	900	600	700	12	10	16	8	31	90
NBZ004-S	3	900	600	700	12	10	16	10	37	90
NBZ008-S	5	1400	700	1000	16	12	22	19	62	170
NBZ013-S	7	1400	700	1000	22	16	28	28	49	180
NBZ017-S	10	1400	700	1000	22	16	28	21	59	260
NBZ020-S	12	1400	700	1000	28	16	35	24	69	270
NBZ024-S	15	1400	700	1000	28	22	42	31	81	270
NBZ028-S	20	1400	700	1000	28	22	42	37	97	290
NBZ036-S	25	1400	800	1000	28	22	54	45	116	370
NBZ042-S	30	1600	800	1000	28	22	54	53	135	370
NBZ054-S	35	1600	800	1000	35	28	54	61	180	420
NBZ062-S	40	1600	900	1000	35	28	54	78	267	430
NBZ074-S	50	1600	900	1000	42	28	54	92	350	430



水冷 Water-cooled

中低温半封闭压缩冷凝机组制冷量、输入功率参数表

The Capacity and Power of Mid-Low Temp. Semi-Hermetic Compressor Condensing Units

kW (50Hz 380v)

机组型号 Unit model	匹数 HP	参数 Parameter	蒸发温度 Evaporating temp -40℃		蒸发温度 Evaporating temp -30℃		蒸发温度 Evaporating temp -25℃	
			R22	R404A	R22	R404A	R22	R404A
NBD002-S	2	冷量 Capacity	1.33	1.42	2.55	2.72	3.37	3.56
		功率 Power	1.26	1.28	1.73	1.88	1.97	2.17
NBD003-S	3	冷量 Capacity	1.60	1.81	3.13	3.42	4.16	4.44
		功率 Power	1.47	1.62	2.00	2.32	2.27	2.65
NBD005-S	5	冷量 Capacity	2.65	3.01	5.22	5.72	6.88	7.44
		功率 Power	2.62	2.60	3.49	3.83	3.92	4.43
NBD006-S	6	冷量 Capacity	3.28	3.72	6.73	7.23	9.01	9.47
		功率 Power	2.69	2.95	4.06	4.52	4.63	5.28
NBD008-S	8	冷量 Capacity	3.35	4.03	6.85	7.77	9.19	10.17
		功率 Power	3.79	3.93	5.46	5.85	6.18	6.78
NBD009-S	10	冷量 Capacity	4.63	5.24	9.50	10.22	12.71	13.40
		功率 Power	4.02	4.25	5.68	6.35	6.56	7.41
NBD010-S	12	冷量 Capacity	5.40	6.12	11.04	11.84	14.90	15.51
		功率 Power	4.75	4.99	6.66	7.44	7.64	8.71
NBD013-S	15	冷量 Capacity	6.43	9.23	13.83	16.71	18.50	21.50
		功率 Power	5.90	7.46	8.67	10.64	9.76	12.24
NBD015-S	20	冷量 Capacity	7.52	10.53	16.06	19.24	21.50	24.80
		功率 Power	7.14	8.65	10.35	12.29	11.42	14.12
NBD019-S	25	冷量 Capacity	9.66	13.44	20.80	24.70	27.80	31.90
		功率 Power	8.86	10.92	13.01	15.83	14.63	18.28
NBD022-S	30	冷量 Capacity	11.28	15.13	24.10	27.90	32.20	36.00
		功率 Power	10.68	12.20	15.50	17.89	17.14	20.70
NBD027-S	40	冷量 Capacity	13.97	17.57	29.10	33.00	38.70	42.80
		功率 Power	13.06	14.40	18.61	21.10	21.40	24.40

说明 1.以上参数基于比泽尔压缩机。The parameter above bases on BITZER compressor.

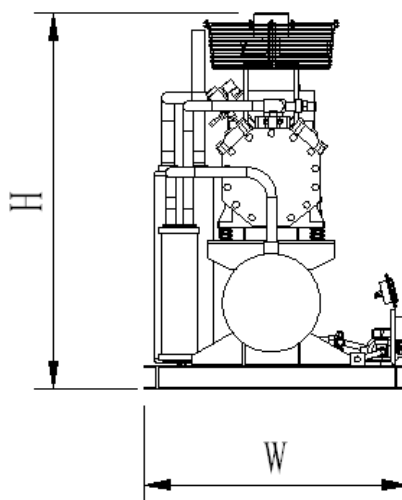
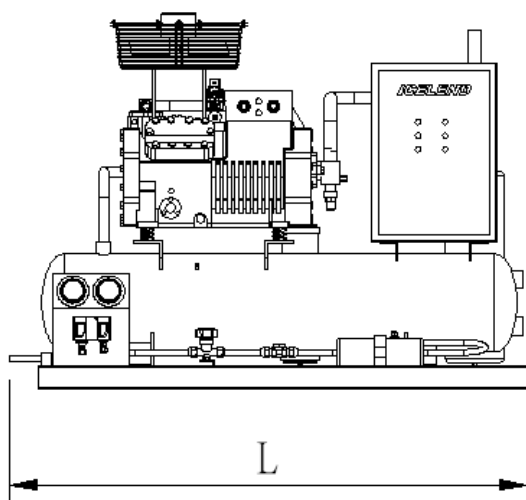
2.冷凝温度为 40℃，吸气温度 20℃。condensing temperature 40℃, inspiration temperature 20℃.

水冷 Water-cooled

中低温半封闭压缩冷凝机组技术参数表

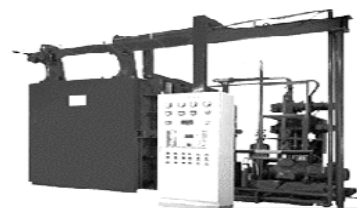
The Technical Parameter of Mid-Low Temp. Semi-Hermetic Compressor Condensing Units

机组型号 Unit model	匹数 HP	机组外形尺寸(mm) Unit external dimension			机组对外管路尺寸(mm) Unit external pipe dimension			电气参数(A) Electrical date		机组重量 (kg) Unit weight
		长 Length	宽 Width	高 Height	排气 Gas discharge	供液 Liquid supply	回气 Gas return	压缩机 最大电流 Compressor maximum current	启动电流 Start-up current	
NBD002-S	2	900	600	700	16	10	22	12	31	140
NBD003-S	3	900	600	700	16	10	22	15	37	140
NBD005-S	5	1000	700	800	22	12	28	23	62	170
NBD006-S	6	1300	700	1000	22	16	28	28	82	240
NBD008-S	8	1400	700	1000	28	16	35	17	49	250
NBD009-S	10	1400	700	1000	28	16	35	21	59	260
NBD010-S	12	1400	700	1000	28	16	35	24	69	270
NBD013-S	15	1400	800	1100	28	22	42	31	81	350
NBD015-S	20	1400	800	1100	28	22	54	37	97	360
NBD019-S	25	1400	800	1100	35	22	54	45	116	400
NBD022-S	30	1600	900	1200	35	22	54	53	135	410
NBD027-S	40	1600	900	1200	42	28	54	78	180	430



艾斯兰德[®] 真空预冷保鲜设备

ICELEND[®] Vacuum Precooling Equipment



分体式真空预冷保鲜设备主要配置

The Collocation of Separated Vacuum Precooling Equipment

1. 真空槽系统

- ◇ 优质钢设计、加工制成
- ◇ 内涂食品用涂料
- ◇ 平移式电动门

2. 进出料系统

- ◇ 搭板+手动叉车滑动输送物料

3. 真空系统

- ◇ 专用真空泵，带独立的油水分离和油平衡系统

4. 冷凝系统

- ◇ 外置冷阱
- ◇ 自动高真空排水受槽
- ◇ 高气密性气动球阀

5. 制冷系统

- ◇ 水冷机组外接水泵冷却塔

6. 压缩空气系统

- ◇ 空气压缩机

7. 预冷控制装置

- ◇ 机械控制
- ◇ 微电脑控制

1.Vacuum slot system

- ◇ Designed and manufactured with high quality steel
- ◇ Sprinkle edible dope inside
- ◇ Aclinic movement dynamoelectric door

2. In and out goods system

- ◇ Transports the goods in slot with joining board

3.Vacuum pump system

- ◇ Special vacuum air pump, Self-governed oil-water separated & oil balance system

4.Condensing system

- ◇ The external cold trap
- ◇ Automatic High vacuum drain trough
- ◇ High hermetic pneumatic ball valve

5.Refrigerating system

- ◇ Water-cooled unit connecting pump & cooling tower

6.Compressing air system

- ◇ Air compressor

7.Precooling control equipment

- ◇ Mechanical control
- ◇ Microcomputer control

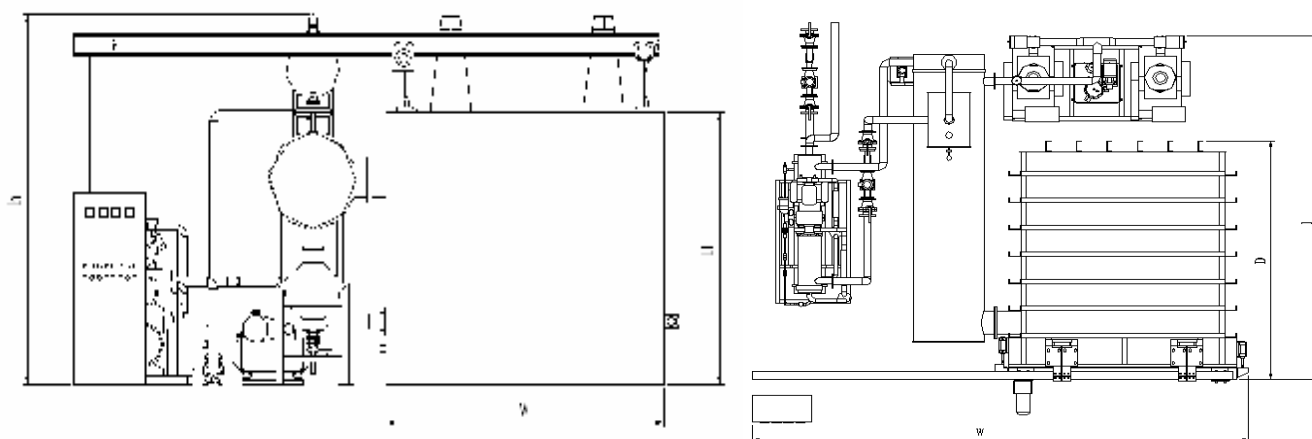
分体式真空预冷保鲜设备型号及技术参数表

The Technical Parameter of the Collocation of Separated Vacuum Precooling Equipment

机组型号 Unit model	单位 Unit	VZ500-OM.OI	VZ750-OM.OI	VZ1000-OM.OI	VZ1500-OM.OI	VZ2000-OM.OI	VZ3000-OM.OI	VZ4000-OM.OI	VZ6000-OM.OI
预冷处理量 Process load	kg/one time	500	750	1000	1500	2000	3000	4000	6000
真空槽外型尺寸 Vacuum slot dimension	W×H×D (m)	1.7×1.8×2.8	1.9×2.1×2.8	1.9×2.4×2.9	2.7×2.4×2.9	2.7×2.7×3.0	3.1×3.1×3.0	3.1×3.1×4.0	3.1×3.1×6.0
进料始温 Beginning temp	℃	25-35							
预冷终温 End temp	℃	0-5							
预冷时间 Precooling time	min	20-30							
总功率 Total input	kW	30	40	50	60	90	120	165	210
设备外型尺寸 Unit external dimension	l×w×h (m)	3.5×4×3	4×4×3	4.5×4.6×3.3	4.5×5.8×3.3	5×6×3.5	5.5×6×3.9	6×6×3.9	8×6×3.9
冷却进水管 Cooling water pipe IN	mm	DN50	DN65	DN65	DN80	DN100	DN100	DN125	DN150
冷却回水管 Cooling water pipe OUT	mm	DN50	DN65	DN65	DN80	DN100	DN100	DN125	DN150
冷媒管道进管 Freezing pipe IN	mm	DN50	DN65	DN80	DN80	DN100	DN100	DN125	DN150
冷媒管道出管 Freezing pipe OUT	mm	DN50	DN65	DN80	DN80	DN100	DN100	DN125	DN150
抽气管道 Pumping pipe	mm	DN80	DN100	DN100	DN100	DN125	DN150	DN175	DN225
重量 Weight	(t)	4	5	6	7	8	9.5	11	15

注：设备外型尺寸不包括冷却塔部分。

Note: The equipment external dimension is not including the cooling tower.



车载式真空预冷保鲜设备主要配置

The Collocation of Vacuum Precooling Equipment in Vehicle

1. 真空槽系统

- ◇ 优质钢设计、加工制成
- ◇ 内涂食品用涂料
- ◇ 推拉式平开门

2. 进出料系统

- ◇ 搭板+手动叉车滑动输送物料

3. 真空系统

- ◇ 专用真空泵，带独立的油水分离和油平衡系统

4. 蒸发系统

- ◇ 内置冷阱
- ◇ 高气密性真空控制阀
- ◇ 冷阱带热气冲霜系统

5. 制冷系统

- ◇ 水冷机组外接水泵冷却塔

6. 预冷控制装置

- ◇ 机械控制
- ◇ 微电脑控制

1.Vacuum slot system

- ◇ Designed and manufactured with high quality steel
- ◇ Sprinkle edible dope inside
- ◇ Manual aclinic push-pull door

2. In and out goods system

- ◇ Transports the goods in slot with joining board

3.Vacuum pump system

- ◇ Special vacuum air pump, Self-governed oil-water separated & oil balance system

4.Evaporating system

- ◇ inner cold trap
- ◇ High hermetic pneumatic ball valve
- ◇ Hot-gas defrosting system in cold trap

5.Refrigerating system

- ◇ Water-cooled unit connecting water pump and cooling tower outside

6.Precooling control equipment

- ◇ Mechanical control
- ◇ Microcomputer control

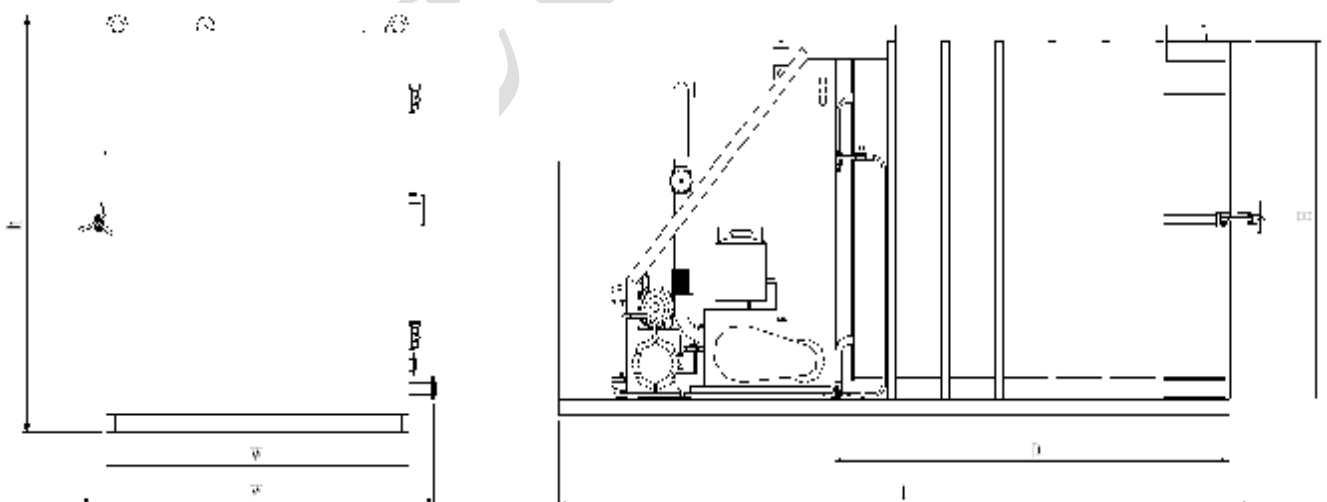
车载式真空预冷保鲜设备型号及技术参数表

The Technical Parameter of the Collocation of Vacuum Precooling Equipment in Vehicle

机组型号 Unit model	单位 Unit	VZ500-OP.ID	VZ750-OP.ID	VZ1000-OP.ID	VZ1500-OP.ID
预冷处理量 Process load	kg/one time	500	750	1000	1500
真空槽外型尺寸 Vacuum slot dimension	D×W×H(m)	2.5×1.7×2.3	2.9×1.9×2.2	3.0×2.0×2.4	4.0×2.4×2.4
进料始温 Beginning temp	℃	25-35			
预冷终温 End temp	℃	0-5			
预冷时间 Precooling time	min	20-30			
总功率 Total output	kW	25	35	45	55
设备外型尺寸 Unit external dimension	l×w×h (m)	4.5×2.2×2.6	5.2×2.2×2.6	5.5×2.5×2.6	6.5×2.8×2.6
冷却进水水管 Cooling water pipe IN	mm	DN50	DN65	DN65	DN80
冷却回水水管 Cooling water pipe OUT	mm	DN50	DN65	DN65	DN80
抽气管道 Pumping pipe	mm	DN80	DN100	DN100	DN100
重量 Weight	T	4.0	5.0	5.8	6.8

注：设备外型尺寸不包括冷却塔部分。

Note: The equipment external dimension is not including the cooling tower.



艾斯兰德® 高湿度差压预冷装置

ICELEND® High Humidity Force-Air Precooling Equipment



高湿度差压预冷保鲜设备特性

- ◇ 国家专利产品，可提供 0℃ 左右的库温和 90% 以上的湿度，果蔬在预冷过程中的干耗很小；
- ◇ 在对果蔬的预冷运行中无须专门的化霜装置；
- ◇ 差压送风方式能确保在短时间内降低温度，达到果蔬快速预冷的效果；
- ◇ 设备外形美观、密封好、强度高、耐腐蚀；
- ◇ 采用轴流风机，电机防护等级 IP54，采用脉冲运行，高效节能；
- ◇ 独特的加湿系统使得温度可以根据用户需求调节并且性能稳定可靠；
- ◇ 广泛适用于对所有种类的水果、蔬菜及鲜花大批量预冷处理。

高湿度差压预冷保鲜设备工作原理

- ◇ 本产品采用高湿度保鲜技术，在正常工作时，可使库内温湿度保持在用户设定的范围内。果蔬产品入库前，通过水循环将蒸发器的冷量蓄积在水中，以便在预冷时维持库温的相对恒定；再利用风机带动空气循环，饱含水分的空气使库内湿度保持在预冷范围内，2~4KPa 压差使湿空气快速流动从而将库内果蔬在短时间降温到适宜保鲜温度。

Product Characteristic

- ◇ The national patented product, which may provide about 0℃ temperature and 90% relative humidity above, little wastage in fruit and vegetable during precooling treatment.
- ◇ No special defroster in the precooling process
- ◇ Differential pressure force air management can quickly reduce the temperature, keeping suitable temperature of postharvest fruits and vegetables.
- ◇ The equipment's crust is made of glass steel, with good appearance, good sealing, and it is corrosion-resistant.
- ◇ Use axial fan, the generator protection rank is IP54, and in pulse movement, efficiency and energy saving.
- ◇ The unique humidity adding system is adjustable and reliable.

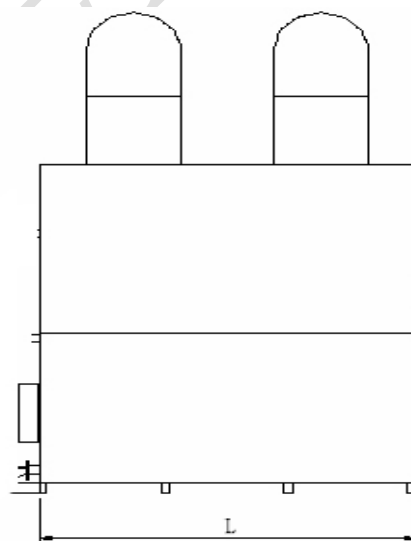
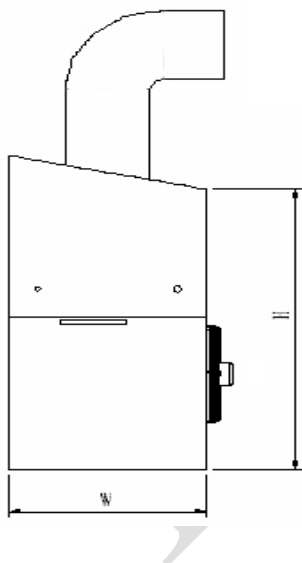
Principle of work

- ◇ The system uses high humidity refrigeration technology and the temperature and humidity inside stay between the preset ones. Before the goods are sent into the cold storage, evaporator's cold is accumulated into water by circulating water in order to keep the humidity constant; then the fan is used to cycle the air. The moisture air makes the storehouse humidity maintain within the preset scope. The 2~4KPa differential pressure causes the wet air fast to flow, thus the fruits and vegetables can be precooling in a very short time.

高湿度差压预冷设备型号及技术参数

The Technical Parameter of High Humidity Force-Air Precooling Equipment

型号 Model		HC-300	HC-450	HC-550	HC-850	HC-1100
制冷量 Capacity (kW) / $\Delta t=15^{\circ}\text{C}$		30	45	55	85	110
相对湿度 RH (%)		90~95	90~95	90~95	90~95	90~95
预冷时间 Precooling time (h)		5~6	5~6	5~6	5~6	5~6
预冷能力 Precooling ability (t)		5	8	10	15	20
风机 Air blower	直径 Diameter (mm)	700	800	900	1000	1000
	数量 Quantity	1	1	1	1	1
	风量 Ventilation (m ³ /h)	16000	22000	30500	36000	49000
	静压 Static pressure(Pa)	100	100	100	100	100
	功率 Power (kW)	1.1	2.2	3	3	4
外型尺寸 Sheathing material		1260×1400×2400	1650×1400×2400	1850×1400×2400	2560×1400×2400	2640×1400×2550
重量 Weight (kg)		650	800	900	1100	1300



说明

- 1.本手册为公司的标准配置，用户可根据具体的使用情况修改配置方案。
- 2.本公司可根据用户的特殊要求，设计制造各种非标制冷设备和预冷保鲜装置，具体要求可与技术部、销售部联系。
- 3.本公司保留对手册中的技术参数进行修改和升级的权利，恕不另行通知。
- 4.手册中的未尽事宜，用户可咨询本公司技术部。

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