

螺杆式机组的六大特点 6 Mainly unit feature of screw compressor

1. 性能卓越 Superior performance

- 主机采用国际先进的最新第三代5:6非对称转子齿形半封闭螺杆式压缩机，电机及压缩机一体化，无轴封之渗漏顾虑
- 两台或多台压缩机有轮回启动、停机控制程序，均衡各机头零组件之负荷，延长机组使用寿命
- 两台或多台压缩机采用多套制冷回路，其中一个回路须检修保养时，其余回路仍可正常运行，具有备用功能
- 压缩机采用卸载降压启动，避免对电网的冲击

2. 安装便捷 Easy installation

- 机组结构紧凑，占地面积小，节省机房的空间
- 整机出厂时，已经过严格调试并定时运转完成，能达到现场使用的状态
- 机组振动极小，基础不需要隔振措施，安装简单
- 安装时只需要连接蒸发器冷冻水管和冷凝器冷却水管

3. 运行维护费用低 Low cost for operation and maintenance

- 机组可依据负荷的需求实行智能化程序控制：0-25-50-75-100%的容量控制，节省能耗
- 螺杆式压缩机的零件总数只有往复式的十分之一，结构简单，易损件少，对湿度行程不敏感，故障率极低
- 内置油分离器，采用三段式滤油机构，最佳油气分离，包覆式设计，可将压缩机运转噪音降到最低
- 螺杆式压缩机无故障率运行可达4万小时以上

4. 安全保护功能齐全 Comprehensive security protection

- 压力保护：高压保护和低压保护电气自动保护装置
- 电机保护：欠电压保护，缺相保护，逆相保护，过载保护，电机过热保护，缺油保护
- 防冻保护：当冷冻水温度过低时，机组自动停机
- 安全阀保护：当冷媒压力超过一定数值时，安全排气阀会自动开启

5. 人性化微电脑控制系统 Humanized microcomputer control system

- 标准版本为日本邦普微电脑控制系统，全中文显示，操作方便
- 特别版本为可选，日本邦普PLC可编程触摸控制器，人机界面，全中文显示
- 自动监测冷水出水温度，系统通过自动调节压缩机，有效跟踪现场使用负荷
- 显示屏直观明了，可随时读出运行中的各项数据以供参考
- 故障时能及时自动警报，并发出故障代码以提示处理
- 可依据现场的需要输出相关反馈信息至其它的主控系统
- 可依据现场的需要对原有内容进行修正，如容调所处位置，机组各保护点，压力等

6. 适应性强应用广泛 Strong adaptability, wide application.

- 广泛应用于橡胶、塑胶、石油、化工、电子、造纸、纺织、酿造、制药、机械、食品、饮料、真空镀膜、电镀、中央空调等诸多领域
- 该机型系列普遍应用于集中供冷的方式，方便集中管理
- 可以定制为耐酸碱型机种，符合客户特殊工艺之特殊需求
- 可以定制为低温型机种，配合低温载冷剂，以达到客户特殊工艺之特殊需求



压缩机性能

制冷剂: R22
 压缩机型号: RC2-200B
 冷却方式: 风冷冷却
 压缩机油状态: 100 %
 蒸发温度: 5 °C
 冷凝温度: 40 °C
 制冷剂液体温度: 35.0 °C
 过热度: 5 °C
 过冷度: 5 °C
 有效过热度: 5 °C
 排气温度期望值: 80 °C

制冷量: 171.9 kW
 蒸发换热量: 171.9 kW
 输入功率: 42.2 kW
 运行电流: 71.0 A
 能效比: 4.074
 低压侧质量流量: 3717.4 kg/h
 高压侧质量流量: 3717.4 kg/h
 运行模式: 不带经济器
 内容积比: 2.2
 中压侧质量流量: kg/h
 低压侧质量流量: kg/h

说明 计算 性能表 技术资料

附加性能

冷媒特性 | 单位换算

制冷剂: R22
 输入: 压力: 15 bar(a), 温度: 40 °C

露点及沸点饱和特性

饱和液体压力	bar(a)	饱和气体压力	bar(a)
饱和液体温度	39.08 °C	饱和气体温度	39.08 °C
饱和液体密度	1132.6 kg/m³	饱和气体密度	64.8 kg/m³
饱和液体焓	466.898 kJ/kg	饱和气体焓	634.214 kJ/kg
饱和液体熵	4.349 kJ/kg K	饱和气体熵	4.885 kJ/kg K

过热区特性

过热度: 0.92 °C
 实际密度: 64.4 kg/m³

查询 清除

性能表

输入资料 性能表 多项式显示

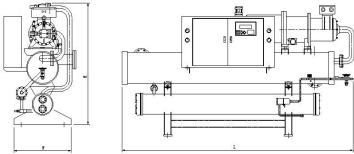
蒸发温度 (°C): -15 -10 -5 0 5 10 15
 冷凝温度 (°C): 30 40 50

t _c (°C)	t ₀ (°C)	-15	-10	-5	0	5	10	15
40	Q ₀ (kW)	88.5	108.5	132.1	159.7	191.6	228.3	---
	P ₀ (kW)	36.4	38.0	39.7	41.5	43.3	45.2	
	I(A)	61.3	64.0	66.8	69.7	72.8	75.9	
	COP	2.427	2.853	3.326	3.850	4.425	5.054	
	mLP(kg/h)	1994.1	2414.8	2904.3	3469.4	4115.9	4851.7	
	mHP(kg/h)	1994.1	2414.8	2904.3	3469.4	4115.9	4851.7	
	t ₀ (°C)	35.0	35.0	35.0	35.0	35.0	35.0	
	Q _{acc} (kW)							
	p _m (bar)							
	Q _{acc} (kW)	0.00	0.00	0.00	0.00	0.00	0.00	

计算 打印 返回 关闭

水冷式冷水机组(单螺杆)

WATER COOLED WITH SINGLE SCREW COMPRESSOR SERIES



型号 Model		KFL-90WS	KFL-120WS	KFL-160WS	KFL-170WS	KFL-210WS	KFL-230WS	KFL-270WS	KFL-280WS	KFL-310WS	KFL-340WS
名义制冷量 Refrigeration capacity	KW	88.3	120.3	157.9	171.9	209.6	230.0	271.0	286.4	313.4	339.2
	×10 ³ Kcal/hr	75.9	103.5	135.8	147.8	180.2	197.8	233.1	246.3	269.5	291.7
	×10 ³ Btu/hr	301.3	410.5	538.9	586.6	715.3	784.9	924.8	977.4	1069.5	1157.6
	RT	25.1	34.2	44.8	48.8	59.5	65.3	77.0	81.3	89.0	96.3
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-100B	RC2-140B	RC2-180B	RC2-200B	RC2-230B	RC2-260B	RC2-300B	RC2-310B	RC2-340B	RC2-370B
	排气量(m ³ /hr) Gas displacement	98	137	180	193	230	257	293	308	339	366
	压缩机数量 Compressor quantity	1	1	1	1	1	1	1	1	1	1
	输入功率(KW) Input power	23.2	30.7	38.5	42.2	51.4	56.0	63.0	66.3	73.0	79.6
	运转电流(A) Running current	39.2	51.6	64.7	71.0	86.4	94.1	105.9	111.4	122.7	133.8
	容量控制范围 Capacity control	0, 33, 66, 100%(33%为启动) (33% for start-up)					0, 25, 50, 75, 100%(25%为启动) (25% for start-up)				
	润滑油填充量(L) Lubricating oil	7	7	7	8	14	14	14	14	16	16
	油加热器功率(W) Oil heater capacity	150	150	150	150	150	300	300	300	300	300
制冷剂 Refrigerant	类型 Type	R22									
	填充量(L) Packing quantity	12	16	22	23	28	31	35	37	41	44
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	壳管式 (Shell-and-tube)									
	冷却水管接口(PT) Cooling water pipe	2.5"	2.5"	2.5"	3"	3"	4"	4"	4"	4"	5"
	冷却水流量(m ³ /hr) Cooling water flow	16.7	22.8	29.9	32.5	39.7	43.5	51.3	54.2	59.3	64.2
	水压降(Kpa) Cooling water pressure drop	38	38	43	43	43	43	48	45	45	45
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷冻水管接口(PT) Ice water pipe size	2.5"	2.5"	2.5"	3"	3"	4"	4"	4"	4"	5"
	冷冻水流量(m ³ /hr) Ice water flow rate	15.2	20.7	27.2	29.6	36.1	39.6	46.6	49.3	53.9	58.4
	水压降(Kpa) Ice water pressure	32	32	33	33	38	38	43	40	42	42
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, opposite phase protection, lacking voltage and over voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	1700	1700	1700	2150	2300	2300	2300	2600	2600	2600
	宽(mm) W	670	670	670	680	770	770	770	850	850	850
	高(mm) H	1100	1100	1100	1100	1250	1250	1250	1300	1300	1300
噪音值 Noise value	dB(A)	62	62	64	65	66	66	68	68	68	68
整机重量 Total weight	Kg	850	880	1050	1270	1450	1750	2280	2480	2600	2650
运行重量 Working weight	Kg	900	1000	1100	1450	1580	1900	2380	2580	2800	2900
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	3.7	3.7	3.7	5.5	5.5	7.5	7.5	7.5	7.5	7.5
	泵浦流量 Pump flow (L/min)	600	600	600	800	800	1100	1100	1100	1100	1100
	泵浦扬程 Pump head(M)	21	21	21	23	23	25	25	25	25	25
	水箱容量 Tank capacity(T)	1	1	2	2	2	3	3	3	3	3

备注 Remarks:

1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

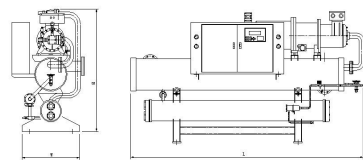
2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 冷却水入口温度35℃, 出口温度40℃;
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, cooling water inlet temperature at 35℃, and outlet temperature at 40℃.

3. 噪音测定位置为距离主机前方2米, 高度1.5米处, 取前后左右四点之平均值;
The noise position of measurement to be away from front the machinery equipment 2 meters, 1.5 meters place, take mean values of highly all around four spot .

4. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

水冷式冷水机组(单螺杆)

WATER COOLED WITH SINGLE SCREW COMPRESSOR SERIES



型号 Model		KPL-370WS	KPL-440WS	KPL-470WS	KPL-510WS	KPL-550WS	KPL-570WS	KPL-670WS	KPL-740WS	KPL-790WS	KPL-890WS
名义制冷量 Refrigeration capacity	KW	373.4	444.4	469.2	513.7	556.3	577.7	672.8	738.9	788.9	889.2
	×10 ³ Kcal/hr	321.1	382.2	403.5	441.8	478.4	496.8	578.6	635.4	678.4	764.7
	×10 ³ Btu/hr	1274.3	1516.6	1601.2	1753.1	1898.5	1971.5	2296.0	2521.6	2692.2	3034.5
	RT	106	126	133	146	158	164	191	210	224	253
压缩机 Comperssor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	RC2-620B	RC2-710B	RC2-790B	RC2-830B	RC2-930B
	排气量(m ³ /hr) Gas displacement	407	471	508	549	583	619	713	791	825	929
	压缩机数量 Compressor quantity	1	1	1	1	1	1	1	1	1	1
	输入功率(KW) Input power	88.5	102.8	108.5	117.6	126.6	130.6	150.5	167.0	177.3	199.4
	运转电流(A) Running current	148.8	172.8	182.5	197.7	212.8	219.6	253.0	280.7	298.1	335.2
	容量控制范围 Capacity control	0, 25, 50, 75, 100% (25%为启动) (25% for start-up)									
	润滑油填充量(L) Lubricating oil	16	18	20	23	23	23	23	28	28	28
	油加热器功率(W) Oil heater capacity	300	300	300	300	300	300	300	300	300	300
	制冷剂 Refrigerant	R22									
冷凝器 Condenser	类型 Type	R22									
	填充量(L) Packing quantity	49	57	61	66	70	74	86	95	99	111
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
	形式 Type	壳管式 (Shell-and-tube)									
蒸发器 Evaporator	冷却水管接口(PT) Cooling water pipe	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷却水流量(m ³ /hr) Cooling water flow	70.7	84.1	88.8	97.2	105.3	109.3	127.3	139.8	149.3	168.3
	水压降(Kpa) Cooling water pressure	48	48	48	49	49	49	48	51	53	53
	形式 Type	壳管式 (Shell-and-tube)									
安全保护装置 Safety protection device	冷冻水管接口(PT) Ice water pipe size	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷冻水流量(m ³ /hr) Ice water flow rate	64.2	76.4	80.7	88.4	95.7	99.4	115.7	127.1	135.7	153.0
	水压降(Kpa) Ice water pressure	44	44	45	45	47	47	44	47	49	49
	高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete										
外形尺寸 Out dimension	长(mm) L	2800	2800	3200	3200	3275	3275	3300	3300	3300	3300
	宽(mm) W	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
	高(mm) H	1850	1850	2000	2000	2100	2100	2100	2100	2100	2100
噪音值 Noise value	dB(A)	69	70	71	72	72	72	73	73	73	73
整机重量 Total weight	Kg	2880	3180	3280	3400	3600	3800	4300	4450	4600	4600
运行重量 Working weight	Kg	3150	3450	3550	3700	3900	4000	4550	4650	4800	4800
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	7.5	11	11	11	11	11	15	15	15	15
	泵浦流量 Pump flow (L/min)	1100	2650	2650	2650	2650	2650	3000	3000	3000	3000
	泵浦扬程 Pump head(M)	25	25	25	25	25	25	28	28	28	28
	水箱容量 Tank capacity(T)	4	4	4	4	5	5	5	5	5	5

备注 Remarks:

1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

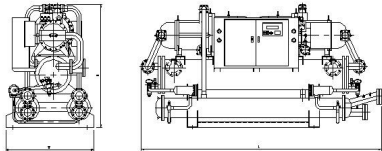
2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 冷却水入口温度35℃, 出口温度40℃;
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, cooling water inlet temperature at 35℃, and outlet temperature at 40℃.

3. 噪音测定位置为距离主机前方2米, 高度1.5米处, 取前后左右四点之平均值;
The noise position of measurement to be away from front the machinery equipment 2 meters, 1.5 meters place, take mean values of highly all around four spot .

4. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

水冷式冷水机组(双螺杆)

WATER COOLED WITH DOUBLE SCREW COMPRESSOR SERIES



型号 Model		KFL-180WD	KFL-240WD	KFL-320WD	KFL-340WD	KFL-420WD	KFL-460WD	KFL-540WD	KFL-570WD	KFL-620WD	KFL-680WD
名义制冷量 Refrigeration capacity	KW	176.6	240.6	315.8	343.8	419.2	460.0	542.0	572.8	626.8	678.4
	×10 ³ Kcal/hr	151.9	206.9	271.6	295.7	360.5	395.6	466.1	492.6	539.0	583.4
	×10 ³ Btu/hr	602.7	821.1	1077.7	1173.3	1430.6	1569.8	1849.7	1954.8	2139.0	2315.1
	RT	50.2	68.3	89.7	97.6	119.1	130.6	153.9	162.7	178.0	192.7
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-100B	RC2-140B	RC2-180B	RC2-200B	RC2-230B	RC2-260B	RC2-300B	RC2-310B	RC2-340B	RC2-370B
	排气量(m ³ /hr) Gas displacement	98	137	180	193	230	257	293	308	339	366
	压缩机数量 Compressor quantity	2	2	2	2	2	2	2	2	2	2
	输入功率(KW) Input power	23.2 * 2	30.7 * 2	38.5 * 2	42.2 * 2	51.4 * 2	56.0 * 2	63.0 * 2	66.3 * 2	73.0 * 2	79.6 * 2
	运转电流(A) Running current	39.2 * 2	51.6 * 2	64.7 * 2	71.0 * 2	86.4 * 2	94.1 * 2	105.9 * 2	111.4 * 2	122.7 * 2	133.8 * 2
	容量控制范围 Capacity control	0, 33, 66, 100%(33%为启动) (33% for start-up)					0, 25, 55, 75, 100%(25%为启动) (25% for start-up)				
	润滑油填充量(L) Lubricating oil	7 * 2	7 * 2	7 * 2	8 * 2	14 * 2	14 * 2	14 * 2	14 * 2	16 * 2	16 * 2
	油加热器功率(W) Oil heater capacity	150 * 2	150 * 2	150 * 2	150 * 2	150 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2
	类型 Type	R22									
制冷剂 Refrigerant	填充量(L) Packing quantity	12 * 2	16 * 2	22 * 2	23 * 2	28 * 2	31 * 2	35 * 2	37 * 2	41 * 2	44 * 2
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
	形式 Type	壳管式 (Shell-and-tube)									
冷凝器 Condenser	冷却水管接口(PT) Cooling water pipe	2.5"	4"	4"	5"	5"	6"	6"	6"	6"	6"
	冷却水流量(m ³ /hr) Cooling water flow	33.4	45.5	59.8	65.1	79.3	87.0	102.6	108.4	118.6	128.4
	水压降(Kpa) Cooling water pressure drop	38	38	43	43	43	43	48	45	45	45
	形式 Type	壳管式 (Shell-and-tube)									
蒸发器 Evaporator	冷冻水管接口(PT) Ice water pipe size	2.5"	4"	4"	5"	5"	6"	6"	6"	6"	6"
	冷冻水流量(m ³ /hr) Ice water flow rate	30.4	41.4	54.3	59.1	72.1	79.1	93.2	98.5	107.8	116.7
	水压降(Kpa) Ice water pressure drop	32	32	33	33	38	38	43	40	42	42
	形式 Type	壳管式 (Shell-and-tube)									
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, opposite phase protection, lacking voltage and over voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	2300	2300	2300	3090	3470	3500	3780	3780	3780	3780
	宽(mm) W	900	900	900	1100	1100	1300	1300	1300	1300	1300
	高(mm) H	1470	1470	1470	1550	1585	1765	1970	1970	1980	1980
噪音值 Noise value	dB(A)	65	65	65	67	67	68	70	70	70	70
整机重量 Total weight	Kg	1300	1300	1550	1850	2300	2400	3000	3500	3800	3800
运行重量 Working weight	Kg	1750	1750	1900	2150	2550	2750	3550	4000	4350	4350
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	7.5	7.5	7.5	11	11	11	11	15	15	15
	泵浦流量 Pump flow (L/min)	1100	1100	1100	2650	2650	2650	2650	3000	3000	3000
	泵浦扬程 Pump head(M)	25	25	25	28	28	28	28	30	30	30
	水箱容量 Tank capacity(T)	2	2	3	3	3	4	4	4	4	4

备注 Remarks:

1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

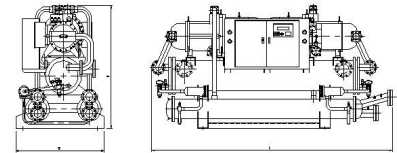
2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 冷却水入口温度35℃, 出口温度40℃;
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, cooling water inlet temperature at 35℃, and outlet temperature at 40℃.

3. 噪音测定位置为距离主机前方2米, 高度1.5米处, 取前后左右四点之平均值;
The noise position of measurement to be away from front the machinery equipment 2 meters, 1.5 meters place, take mean values of highly all around four spot .

4. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

水冷式冷水机组(双螺杆)

WATER COOLED WITH DOUBLE SCREW COMPRESSOR SERIES



型号 Model		KFL-740WD	KFL-880WD	KFL-940WD	KFL-1030WD	KFL-1110WD	KFL-1150WD	KFL-1340WD	KFL-1480WD	KFL-1580WD	KFL-1780WD
名义制冷量 Refrigeration capacity	KW	746.8	888.8	938.4	1027.4	1112.6	1155.4	1345.6	1477.8	1577.8	1778.4
	×10 ³ Kcal/hr	642.2	764.3	807.0	883.5	956.8	993.6	1157.2	1270.9	1356.9	1529.4
	×10 ³ Btu/hr	2548.6	3033.2	3202.4	3506.1	3796.9	3943.0	4592.0	5043.2	5384.5	6069.0
	RT	212	252	267	292	316	328	382	420	448	505
压缩机 Comperssor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	RC2-620B	RC2-710B	RC2-790B	RC2-830B	RC2-930B
	排气量(m ³ /hr) Gas displacement	407	471	508	549	583	619	713	791	825	929
	压缩机数量 Compressor quantity	2	2	2	2	2	2	2	2	2	2
	输入功率(KW) Input power	88.5 * 2	102.8 * 2	108.5 * 2	117.6 * 2	126.6 * 2	130.6 * 2	150.5 * 2	167.0 * 3	177.3 * 2	199.4 * 2
	运转电流(A) Running current	148.8 * 2	172.8 * 2	182.5 * 2	197.0 * 2	212.8 * 2	219.6 * 2	253.0 * 2	280.7 * 2	298.1 * 2	335.2 * 2
	容量控制范围 Capacity control	0, 25, 50, 75, 100% (25%为启动) (25% for start-up)									
	润滑油填充量(L) Lubricating oil	16 * 2	18 * 2	20 * 2	23 * 2	23 * 2	23 * 2	23 * 2	28 * 2	28 * 2	28 * 2
	油加热器功率(W) Oil heater capacity	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2
	类型 Type	R22									
制冷剂 Refrigerant	填充量(L) Packing quantity	49 * 2	57 * 2	61 * 2	66 * 2	70 * 2	74 * 2	86 * 2	95 * 2	99 * 2	111 * 2
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	壳管式 (Shell-and-tube)									
	冷却水管接口(PT) Cooling water pipe	6"	6"	8"	8"	8"	8"	8"	10"	10"	10"
	冷却水流量(m ³ /hr) Cooling water flow	141.3	168.2	177.6	194.4	210.5	218.6	254.6	279.6	298.6	336.5
	水压降(Kpa) Cooling water pressure	48	48	48	49	49	49	48	51	53	53
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷冻水管接口(PT) Ice water pipe size	6"	6"	8"	8"	8"	8"	8"	10"	10"	10"
	冷冻水流量(m ³ /hr) Ice water flow rate	128.5	152.9	161.4	176.7	191.4	198.8	231.5	254.2	271.4	305.9
	水压降(Kpa) Ice water pressure	44	44	45	45	47	47	44	47	49	49
	安全保护装置 Safety protection device	高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete									
外形尺寸 Out dimension	长(mm) L	3780	3850	3850	3850	3890	3890	3890	3890	3890	3890
	宽(mm) W	1300	1300	1300	1300	1500	1500	1500	1500	1500	1500
	高(mm) H	1980	2000	2000	2000	2270	2270	2270	2270	2270	2270
噪音值 Noise value	dB(A)	72	72	73	73	73	73	75	75	75	75
整机重量 Total weight	Kg	4000	4400	4500	5300	5700	5700	5900	6150	6200	6200
运行重量 Working weight	Kg	4600	4950	5100	6050	6300	6300	6500	6850	6800	6800
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	15	15	15	18.75	18.75	18.75	18.75	18.75	18.75	18.75
	泵浦流量 Pump flow (L/min)	3000	3000	3000	3500	3500	3500	3500	3500	3500	3500
	泵浦扬程 Pump head(M)	25	25	25	30	30	30	30	30	30	30
	水箱容量 Tank capacity(T)	5	5	6	6	6	8	8	8	8	8

- 备注 Remarks:
1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 冷却水入口温度35℃, 出口温度40℃;
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, cooling water inlet temperature at 35℃, and outlet temperature at 40℃.

3. 噪音测定位置为距离主机前方2米, 高度1.5米处, 取前后左右四点之平均值;
The noise position of measurement to be away from front the machinery equipment 2 meters, 1.5 meters place, take mean values of highly all around four spot .

4. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

水冷式冷水机组(三螺杆)

WATER COOLED WITH THREE SCREW COMPRESSOR SERIES

型号 Model		KFL-530WT	KFL-720WT	KFL-950WT	KFL-1030WT	KFL-1260WT	KFL-1380WT	KFL-1630WT	KFL-1720WT	KFL-1880WT	KFL-2030WT
名义制冷量 Refrigeration capacity	KW	529.8	721.8	947.4	1031.4	1257.6	1380.0	1626.0	1718.4	1880.4	2035.2
	×10 ³ Kcal/hr	455.6	620.7	814.7	887.0	1081.5	1186.8	1398.3	1477.8	1617.1	1750.2
	×10 ³ Btu/hr	1808.0	2463.2	3233.1	3519.8	4291.7	4709.4	5549.0	5864.3	6417.1	6945.4
	RT	150.5	205.0	269.1	292.9	357.2	391.9	461.8	488.0	534.0	578.0
压缩机 Comperssor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-100B	RC2-140B	RC2-180B	RC2-200B	RC2-230B	RC2-260B	RC2-300B	RC2-310B	RC2-340B	RC2-370B
	排气量 (m ³ /hr) Gas displacement	98	137	180	193	230	257	293	308	339	366
	压缩机数量 Compressor quantity	3	3	3	3	3	3	3	3	3	3
	输入功率(KW) Input power	23.2 * 3	30.7 * 3	38.5 * 3	42.2 * 3	51.4 * 3	56.0 * 3	63.0 * 3	66.3 * 3	73.0 * 3	79.6 * 3
	运转电流(A) Running current	39.2 * 3	51.6 * 3	64.7 * 3	71.0 * 3	86.4 * 3	94.1 * 3	105.9 * 3	111.4 * 3	122.7 * 3	133.8 * 3
	容量控制范围 Capacity control	0, 33, 66, 100%(33%为启动) (33% for start-up)					0, 25, 50, 75, 100%(25%为启动) (25% for start-up)				
	润滑油填充量(L) Lubricating oil	7 * 3	7 * 3	7 * 3	8 * 3	14 * 3	14 * 3	14 * 3	14 * 3	16 * 3	16 * 3
	油加热器功率(W) Oil heater capacity	150 * 3	150 * 3	150 * 3	150 * 3	150 * 3	300 * 3	300 * 3	300 * 3	300 * 3	300 * 3
制冷剂 Refrigerant	类型 Type	R22									
	填充量(L) Packing quantity	12 * 3	16 * 3	22 * 3	23 * 3	28 * 3	31 * 3	35 * 3	37 * 3	41 * 3	44 * 3
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	壳管式 (Shell-and-tube)									
	冷却水管接口(PT) Cooling water pipe	3"	3"	3"	4"	4"	4"	4"	4"	5"	5"
	冷却水流量(m ³ /hr) Cooling water flow	100.3	136.6	179.3	195.2	238.0	261.1	307.7	325.2	355.8	385.1
	水压降(Kpa) Cooling water pressure drop	38	38	43	43	43	43	48	45	45	45
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷冻水管接口(PT) Ice water pipe size	3"	3"	3"	4"	4"	4"	4"	4"	5"	5"
	冷冻水流量(m ³ /hr) Ice water flow rate	91.1	124.2	163.0	177.4	216.3	237.4	279.7	295.6	323.5	350.1
	水压降(Kpa) Ice water pressure	32	32	33	33	38	38	43	40	42	42
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, opposite phase protection, lacking voltage and over voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	2800	3000	2800	3200	3470	3700	3930	3930	3930	3930
	宽(mm) W	1750	1750	1750	1750	1800	2100	2100	2100	2200	2200
	高(mm) H	1470	1780	1470	1790	1800	1860	2100	2100	2100	2100
噪音值 Noise value	dB (A)	65	65	65	67	67	68	70	70	70	70
整机重量 Total weight	Kg	1550	1850	2300	2400	3000	3500	3800	3800	4000	4400
运行重量 Working weight	Kg	1900	2150	2550	2750	3550	4000	4350	4350	4600	4950
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	7.5	7.5	11	11	15	15	18.75	18.75	18.75	22.35
	泵浦流量 Pump flow (L/min)	1100	1100	2650	2650	3000	3000	3500	3500	3500	4000
	泵浦扬程 Pump head(M)	25	25	28	28	30	30	30	30	30	32
	水箱容量 Tank capacity(T)	2	2	3	3	4	4	6	6	6	8

- 备注 Remarks:
- 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.
 - 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 冷却水入口温度35℃, 出口温度40℃;
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, cooling water inlet temperature at 35℃, and outlet temperature at 40℃.
 - 噪音测定位置为距离主机前方2米, 高度1.5米处, 取前后左右四点之平均值;
The noise position of measurement to be away from front the machinery equipment 2 meters, 1.5 meters place, take mean values of highly all around four spot .
 - 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

水冷式冷水机组(三螺杆)

WATER COOLED WITH THREE SCREW COMPRESSOR SERIES

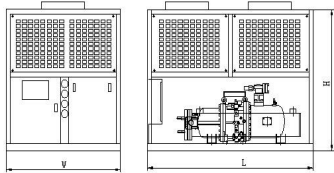
型号 Model		KFL-2240WT	KFL-2660WT	KFL-2810WT	KFL-3080WT	KFL-3330WT	KFL-3460WT	KFL-4030WT	KFL-4430WT	KFL-4730WT	KFL-5330WT
名义制冷量 Refrigeration capacity	KW	7645.7	9099.5	9607.3	10518.4	11390.7	11828.9	13776.1	15129.6	16153.4	18207.1
	×10 ³ Kcal/hr	6575.1	7825.3	8262.0	9045.6	9795.7	10172.5	11847.1	13011.0	13891.5	15657.6
	×10 ³ Btu/hr	26092.0	31053.2	32786.2	35895.7	38872.4	40367.8	47013.0	51631.9	55125.7	62134.4
	RT	2171	2584	2728	2987	3235	3359	3912	4297	4588	5171
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	RC2-620B	RC2-710B	RC2-790B	RC2-830B	RC2-930B
	排气量(m ³ /hr) Gas displacement	407	471	508	549	583	619	713	791	825	929
	压缩机数量 Compressor quantity	3	3	3	3	3	3	3	3	3	3
	输入功率(KW) Input power	88.5 * 3	102.8 * 3	108.5 * 3	117.6 * 3	126.6 * 3	130.6 * 3	150.5 * 3	167.0 * 3	177.3 * 3	199.4 * 3
	运转电流(A) Running current	148.8 * 3	172.8 *3	182.5 * 3	197.0 * 3	212.8 * 3	219.6 * 3	253.0 * 3	280.7 * 3	298.1 * 3	335.2 * 3
	容量控制范围 Capacity control	0, 25, 50, 75, 100%(25%为启动) (25% for start-up)									
	润滑油填充量(L) Lubricating oil	16 * 3	18 * 3	20 * 3	23 * 3	23 * 3	23 * 3	23 * 3	28 * 3	28 * 3	28*3
	油加热器功率(W) Oil heater capacity	300 * 3	300 * 3	300 * 3	300 * 3	300 * 3	300 * 3	300 * 3	300 * 3	300 * 3	300 * 3
	类型 Type	R22									
制冷剂 Refrigerant	填充量(L) Packing quantity	49 * 3	57 * 3	61 * 3	66 * 3	70 * 3	74 * 3	86 * 3	95 * 3	99 * 3	111 * 3
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	壳管式 (Shell-and-tube)									
	冷却水管接口(PT) Cooling water pipe	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷却水流量(m ³ /hr) Cooling water flow	1,446.8	1,721.9	1,818.0	1,990.4	2,155.5	2,238.4	2,606.9	2,863.0	3,056.7	3,445.4
	水压降(Kpa) Cooling water pressure	48	48	48	49	49	49	48	51	53	53
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷冻水管接口(PT) Ice water pipe size	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷冻水流量(m ³ /hr) Ice water flow rate	1,315.3	1,565.4	1,652.7	1,809.5	1,959.5	2,034.9	2,369.9	2,602.7	2,778.8	3,132.1
	水压降(Kpa) Ice water pressure	44	44	45	45	47	47	44	47	49	49
	安全保护装置 Safety protection device	高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, anti-phase protection, under-voltage and over-voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	3930	3930	3930	4100	4100	4100	4200	4200	4200	4200
	宽(mm) W	2200	2200	2200	2300	2300	2300	2400	2400	2400	2400
	高(mm) H	2100	2100	2100	2200	2200	2200	2300	2300	2300	2300
噪音值 Noise value	dB(A)	72	72	73	73	73	73	75	75	75	75
整机重量 Total weight	Kg	4500	5300	5700	5700	5900	6150	6200	6250	6350	6450
运行重量 Working weight	Kg	5100	6050	6300	6300	6500	6850	6800	6900	7050	7300
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	22.35	26.1	26.1	29.8	29.8	29.8	29.8	29.8	29.8	29.8
	泵浦流量 Pump flow (L/min)	4000	4500	4500	5000	5000	5000	5000	5000	5000	5000
	泵浦扬程 Pump head(M)	32	35	35	35	35	35	35	35	35	35
	水箱容量 Tank capacity(T)	8	8	8	10	10	10	10	10	10	10

备注 Remarks:

1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22.
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.
2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 冷却水入口温度35℃, 出口温度40℃.
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, cooling water inlet temperature at 35℃, and outlet temperature at 40℃.
3. 噪音测定位置为距离主机前方2米, 高度1.5米处, 取前后左右四点之平均值.
The noise position of measurement to be away from front the machinery equipment 2 meters, 1.5 meters place, take mean values of highly all around four spot .
4. 规格如有变更, 以实机为准, 恕不另行通知.
If specification is changed, then the actual model shall govern.

风冷式冷水机组(单螺杆)

AIR COOLED WITH SINGLE SCREW COMPRESSOR SERIES



型号 Model		KFL-70AS	KFL-100AS	KFL-130AS	KFL-150AS	KFL-180AS	KFL-190AS	KFL-230AS	KFL-240AS	KFL-270AS	KFL-290AS
名义制冷量 Refrigeration capacity	KW	75.1	102.3	134.2	146.1	178.2	195.5	230.4	243.4	266.4	288.3
	×10 ³ Kcal/hr	64.5	87.9	115.4	125.7	153.2	168.1	198.1	209.4	229.1	247.9
	×10 ³ Btu/hr	256.1	349.0	458.0	498.6	608.0	667.2	786.1	830.8	909.1	983.9
	RT	21.3	29.0	38.1	41.5	50.6	55.5	65.4	69.1	75.7	81.9
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-100B	RC2-140B	RC2-180B	RC2-200B	RC2-230B	RC2-260B	RC2-300B	RC2-310B	RC2-340B	RC2-370B
	排气量(m ³ /hr) Gas displacement	98	137	180	193	230	257	293	308	339	366
	压缩机数量 Compressor quantity	1	1	1	1	1	1	1	1	1	1
	输入功率(KW) Input power	23.2	30.7	38.5	42.2	51.4	56.0	63.0	66.3	73.0	79.6
	运转电流(A) Running current	39.2	51.6	64.7	71.0	86.4	94.1	105.9	111.4	122.7	133.8
	容量控制范围 Capacity control	0, 33, 66, 100%(33%为启动) (33% for start-up)					0, 25, 50, 75, 100%(25%为启动) (25% for start-up)				
	润滑油填充量(L) Lubricating oil	7	7	7	8	14	14	14	14	16	16
	油加热器功率(W) Oil heater capacity	150	150	150	150	150	300	300	300	300	300
制冷剂 Refrigerant	类型 Type	R22									
	填充量(L) Packing quantity	12	16	22	23	28	31	35	37	41	44
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophile aluminum platinum fin coil type									
	风机形式 Fan type	低噪音、防水耐候、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	34	45	57	62	76	83	93	98	108	118
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷却水管接口(PT) Cooling water pipe	2.5"	2.5"	2.5"	3"	3"	4"	4"	4"	4"	5"
	冷冻水流量(m ³ /hr) Ice water flow rate	12.9	17.6	23.1	25.1	30.6	33.6	39.6	41.9	45.8	49.6
	水压降(kpa) Ice water pressure	32	32	33	33	38	38	43	42	42	42
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, opposite phase protection, lacking voltage and over voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	2100	2100	2100	2100	2100	1900	1900	1900	2260	2260
	宽(mm) W	1200	1200	1200	1200	1200	1900	1900	1900	2260	2260
	高(mm) H	2230	2230	2230	2230	2230	2390	2390	2390	2390	2390
整机重量 Total weight	Kg	1000	1000	1100	1200	1290	1500	1800	1850	2350	2350
运行重量 Working weight	Kg	1150	1150	1200	1280	1380	1600	1910	1970	2480	2480
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	3.7	3.7	3.7	5.5	5.5	7.5	7.5	7.5	7.5	7.5
	泵浦流量 Pump flow (L/min)	600	600	600	800	800	1100	1100	1100	1100	1100
	泵浦扬程 Pump head(M)	21	21	21	23	23	25	25	25	25	25
	水箱容量 Tank capacity(T)	1	1	2	2	2	3	3	3	3	3

备注 Remarks:

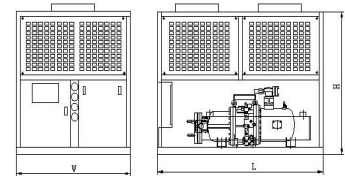
1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 环境温度为40℃。
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.

3. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

风冷式冷水机组(单螺杆)

AIR COOLED WITH SINGLE SCREW COMPRESSOR SERIES



型号 Model		KPL-320AS	KPL-380AS	KPL-400AS	KPL-440AS	KPL-470AS	KPL-490AS	KPL-570AS	KPL-630AS	KPL-670AS	KPL-750AS
名义制冷量 Refrigeration capacity	KW	317.4	377.7	398.8	436.6	472.9	491.0	571.9	628.1	670.6	755.8
	×10 ³ Kcal/hr	273.0	324.8	343.0	375.5	406.7	422.2	491.8	540.1	576.7	650.0
	×10 ³ Btu/hr	1083.2	1289.0	1361.0	1490.0	1613.8	1675.6	1951.7	2143.5	2288.5	2579.3
	RT	90	107	113	124	134	139	162	178	190	215
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	RC2-620B	RC2-710B	RC2-790B	RC2-830B	RC2-930B
	排气量(m ³ /hr) Gas displacement	407	471	508	549	583	619	713	791	825	929
	压缩机数量 Compressor quantity	1	1	1	1	1	1	1	1	1	1
	输入功率(KW) Input power	88.5	102.8	108.5	117.6	126.6	130.6	150.5	167.0	177.3	199.4
	运转电流(A) Running current	148.8	172.8	182.5	197.7	212.8	219.6	253.0	280.7	298.1	335.2
	容量控制范围 Capacity control	0, 25, 50, 75, 100% (25%为启动) (25% for start-up)									
	润滑油填充量(L) Lubricating oil	16	18	20	23	23	23	23	28	28	28
	油加热器功率(W) Oil heater capacity	300	300	300	300	300	300	300	300	300	300
	类型 Type	R22									
制冷剂 Refrigerant	填充量(L) Packing quantity	49	57	61	66	70	74	86	95	99	111
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophile aluminum platinum fin coil type									
	风机形式 Fan type	低噪音、防水耐候、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	131	152	160	174	187	193	222	247	262	294
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷却水管接口(PT) Cooling water pipe	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷冻水流量(m ³ /hr) Ice water flow rate	54.6	65.0	68.6	75.1	81.4	84.5	98.4	108.1	115.4	130.0
	水压降(kpa) Ice water pressure	45	50	53	45	47	47	50	52	56	56
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete									
外形尺寸 Out dimension	长(mm) L	2260	2260	2260	4000	4000	4000	4000	4000	4000	4000
	宽(mm) W	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
	高(mm) H	2390	2390	2390	2570	2570	2570	2570	2570	2570	2570
整机重量 Total weight	Kg	2500	3100	3350	3660	3860	3860	4000	4250	4500	4500
运行重量 Working weight	Kg	2640	3250	3510	3830	4030	4030	4200	4400	4750	4750
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	7.5	11	11	11	11	11	15	15	15	15
	泵浦流量 Pump flow (L/min)	1100	2650	2650	2650	2650	2650	3000	3000	3000	3000
	泵浦扬程 Pump head(M)	25	25	25	25	25	25	28	28	28	28
	水箱容量 Tank capacity(T)	4	4	4	4	5	5	5	5	5	5

备注 Remarks:

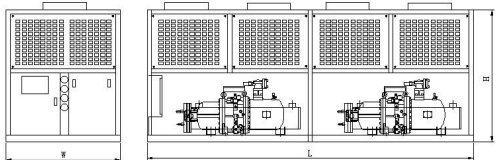
1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 环境温度为40℃。
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.

3. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

风冷式冷水机组(双螺杆)

AIR COOLED WITH DOUBLE SCREW COMPRESSOR SERIES



型号 Model		KFL-150AD	KFL-200AD	KFL-270AD	KFL-290AD	KFL-360AD	KFL-390AD	KFL-460AD	KFL-490AD	KFL-530AD	KFL-580AD
名义制冷量 Refrigeration capacity	KW	150.1	204.5	268.4	292.2	356.3	391.0	460.7	486.9	532.8	576.6
	×10 ³ Kcal/hr	129.1	175.9	230.8	251.3	306.4	336.2	396.2	418.7	458.2	495.9
	×10 ³ Btu/hr	512.3	697.9	916.1	997.3	1216.0	1334.3	1572.2	1661.5	1818.2	1967.9
	RT	42.6	58.1	76.2	83.0	101.2	111.0	130.8	138.3	151.3	163.8
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-100B	RC2-140B	RC2-180B	RC2-200B	RC2-230B	RC2-260B	RC2-300B	RC2-310B	RC2-340B	RC2-370B
	排气量(m ³ /hr) Gas displacement	98	137	180	193	230	257	293	308	339	366
	压缩机数量 Compressor quantity	2	2	2	2	2	2	2	2	2	2
	输入功率(KW) Input power	23.2 * 2	30.7 * 2	38.5 * 2	42.2 * 2	51.4 * 2	56.0 * 2	63.0 * 2	66.3 * 2	73.0 * 2	79.6 * 2
	运转电流(A) Running current	39.2 * 2	51.6 * 2	64.7 * 2	71.0 * 2	86.4 * 2	94.1 * 2	105.9 * 2	111.4 * 2	122.7 * 2	133.8 * 2
	容量控制范围 Capacity control	0, 33, 66, 100%(33%为启动) (33% for start-up)					0, 25, 50, 75, 100%(25%为启动) (25% for start-up)				
	润滑油填充量(L) Lubricating oil	7 * 2	7 * 2	7 * 2	8 * 2	14 * 2	14 * 2	14 * 2	14 * 2	16 * 2	16 * 2
	油加热器功率(W) Oil heater capacity	150 * 2	150 * 2	150 * 2	150 * 2	150 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2
制冷剂 Refrigerant	类型 Type	R22									
	填充量(L) Packing quantity	12 * 2	16 * 2	22 * 2	23 * 2	28 * 2	31 * 2	35 * 2	37 * 2	41 * 2	44 * 2
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophile aluminum platinum fin coil type									
	风机形式 Fan type	低噪音、防水耐候、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	69	91	114	125	152	165	186	196	216	235
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷冻水管接口(PT) Ice water pipe size	3"	3"	3"	4"	4"	4"	4"	5"	5"	5"
	冷冻水流量(m ³ /hr) Ice water flow rate	25.8	35.2	46.2	50.3	61.3	67.3	79.3	83.8	91.7	99.2
	水压降(kpa) Ice water pressure	46	46	47	46	48	49	52	48	52	52
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, opposite phase protection, lacking voltage and over voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	4200	4200	4200	4200	4200	3800	3800	3800	4520	4520
	宽(mm) W	1200	1200	1200	1200	1200	1900	1900	1900	2260	2260
	高(mm) H	2230	2230	2230	2230	2230	2390	2390	2390	2390	2390
整机重量 Total weight	Kg	2400	2500	2680	3000	3600	3700	3850	3850	4550	5000
运行重量 Working weight	Kg	2500	2600	2860	3200	3820	3950	4030	4030	4880	5220
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	7.5	7.5	7.5	11	11	11	11	15	15	15
	泵浦流量 Pump flow (L/min)	1100	1100	1100	2650	2650	2650	2650	3000	3000	3000
	泵浦扬程 Pump head(M)	25	25	25	28	28	28	28	30	30	30
	水箱容量 Tank capacity(T)	2	2	3	3	3	4	4	4	4	4

备注 Remarks:

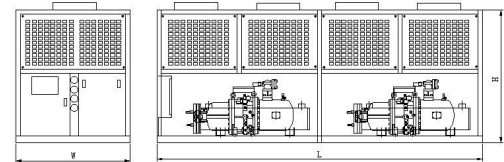
1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 环境温度为40℃。
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.

3. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

风冷式冷水机组(双螺杆)

AIR COOLED WITH DOUBLE SCREW COMPRESSOR SERIES



型号 Model		KFL-630AD	KFL-750AD	KFL-800AD	KFL-870AD	KFL-940AD	KFL-980AD	KFL-1140AD	KFL-1250AD	KFL-1340AD	KFL-1510AD
名义制冷量 Refrigeration capacity	KW	634.8	755.4	797.6	873.2	945.8	982.0	1143.8	1256.2	1341.2	1511.6
	×10 ³ Kcal/hr	545.9	649.6	685.9	750.9	813.4	844.5	983.6	1080.3	1153.4	1299.9
	×10 ³ Btu/hr	2166.3	2577.9	2721.9	2979.9	3227.7	3351.2	3903.4	4287.0	4577.0	5158.5
	RT	180	215	227	248	269	279	325	357	381	429
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	RC2-620B	RC2-710B	RC2-790B	RC2-830B	RC2-930B
	排气量(m ³ /hr) Gas displacement	407	471	508	549	583	619	713	791	825	929
	压缩机数量 Compressor quantity	2	2	2	2	2	2	2	2	2	2
	输入功率(KW) Input power	88.5 * 2	102.8 * 2	108.5 * 2	117.6 * 2	126.6 * 2	130.6 * 2	150.5 * 2	167.0 * 3	177.3 * 2	199.4 * 2
	运转电流(A) Running current	148.8 * 2	172.8 * 2	182.5 * 2	197.0 * 2	212.8 * 2	219.6 * 2	253.0 * 2	280.7 * 2	298.1 * 2	335.2 * 2
	容量控制范围 Capacity control	0, 25, 50, 75, 100% (25%为启动) (25% for start-up)									
	润滑油填充量(L) Lubricating oil	16 * 2	18 * 2	20 * 2	23 * 2	23 * 2	23 * 2	23 * 2	28 * 2	28 * 2	28 * 2
	油加热器功率(W) Oil heater capacity	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2
制冷剂 Refrigerant	类型 Type	R22									
	填充量(L) Packing quantity	49 * 2	57 * 2	61 * 2	66 * 2	70 * 2	74 * 2	86 * 2	95 * 2	99 * 2	111 * 2
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
冷凝器 Condenser	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophile aluminum platinum fin coil type									
	风机形式 Fan type	低噪音、防水耐候、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	261	304	320	347	374	386	444	493	524	589
蒸发器 Evaporator	形式 Type	壳管式 (Shell-and-tube)									
	冷冻水管接口(PT) Ice water pipe size	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷冻水流量(m ³ /hr) Ice water flow rate	109.2	130.0	137.2	150.2	162.7	168.9	196.8	216.1	230.7	260.0
	水压降(kpa) Ice water pressure	53	56	52	53	55	55	57	52	55	55
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete									
外形尺寸 Out dimension	长(mm) L	4520	4520	4520	8000	8000	8000	8000	8000	8000	8000
	宽(mm) W	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
	高(mm) H	2390	2570	2570	2570	2570	2570	2570	2570	2570	2570
整机重量 Total weight	Kg	5600	6350	6690	6690	6920	7280	7630	7630	7800	7950
运行重量 Working weight	Kg	6980	6630	6960	6960	7200	7550	7980	7980	8100	8250
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	15	15	15	18.75	18.75	18.75	18.75	18.75	18.75	18.75
	泵浦流量 Pump flow (L/min)	3000	3000	3000	3500	3500	3500	3500	3500	3500	3500
	泵浦扬程 Pump head(M)	25	25	25	30	30	30	30	30	30	30
	水箱容量 Tank capacity(T)	5	5	6	6	6	8	8	8	8	8

备注 Remarks:

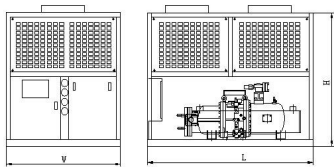
1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 环境温度为40℃。
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.

3. 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

风冷式热泵机组(单螺杆)

AIR COOLED WITH HEAD PUMPS SERIES (SINGLE SCREW COMPRESSOR)

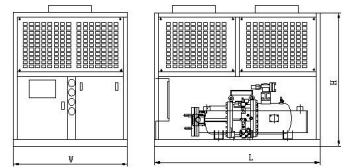


型号 Model		KFL-70ASH	KFL-100ASH	KFL-130ASH	KFL-150ASH	KFL-180ASH	KFL-190ASH	KFL-230ASH	KFL-240ASH	KFL-270ASH	KFL-290ASH
名义制冷量 Refrigeration capacity	KW	75.1	102.3	134.2	146.1	178.2	195.5	230.4	243.4	266.4	288.3
	×10 ³ Kcal/hr	64.5	87.9	115.4	125.7	153.2	168.1	198.1	209.4	229.1	247.9
	×10 ³ Btu/hr	256.1	349.0	458.0	498.6	608.0	667.2	786.1	830.8	909.1	983.9
	RT	21.3	29.0	38.1	41.5	50.6	55.5	65.4	69.1	75.7	81.9
名义制热量 Heating capacity	KW	83	112	148	161	196	215	253	268	293	317
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-100B	RC2-140B	RC2-180B	RC2-200B	RC2-230B	RC2-260B	RC2-300B	RC2-310B	RC2-340B	RC2-370B
	排气量(m ³ /hr) Gas displacement	98	137	180	193	230	257	293	308	339	366
	压缩机数量 Compressor quantity	1	1	1	1	1	1	1	1	1	1
	输入功率(KW) Input power	23.2	30.7	38.5	42.2	51.4	56.0	63.0	66.3	73.0	79.6
	运转电流(A) Running current	39.2	51.6	64.7	71.0	86.4	94.1	105.9	111.4	122.7	133.8
	容量控制范围 Capacity control	0, 33, 66, 100%(33%为启动) (33% for start-up)					0, 25, 50, 75, 100%(25%为启动) (25% for start-up)				
	润滑油填充量(L) Lubricating oil	7	7	7	8	14	14	14	14	16	16
	油加热器功率(W) Oil heater capacity	150	150	150	150	150	300	300	300	300	300
	类型 Type	R22									
制冷剂 Refrigerant	填充量(L) Packing quantity	12	16	22	23	28	31	35	37	41	44
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophilic aluminum platinum fin coil type									
空气侧换热器 Air heat exchanger	风机形式 Fan type	低噪音、防水耐侯、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	34	45	57	62	76	83	93	98	108	118
	形式 Type	壳管式 (Shell-and-tube)									
水侧换热器 Water heat exchanger	进出水管接口(PT) Pipe size	2.5"	2.5"	2.5"	3"	3"	4"	4"	4"	4"	5"
	冷冻水流量(m ³ /hr) Ice water flow rate	12.9	17.6	23.1	25.1	30.6	33.6	39.6	41.9	45.8	49.6
	热水流量(m ³ /hr) Heated water flow rate	14.2	19.3	25.4	27.6	33.7	37.0	43.6	46.1	50.4	54.6
	水压降(Kpa) Ice water pressure	32	32	33	33	38	38	43	42	42	42
	形式 Type	壳管式 (Shell-and-tube)									
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, opposite phase protection, lacking voltage and over voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	2100	2100	2100	2100	2100	1900	1900	1900	2260	2260
	宽(mm) W	1200	1200	1200	1200	1200	1900	1900	1900	2260	2260
	高(mm) H	2230	2230	2230	2230	2230	2390	2390	2390	2390	2390
整机重量 Total weight	Kg	1000	1000	1100	1200	1290	1500	1800	1850	2350	2350
运行重量 Working weight	Kg	1150	1150	1200	1280	1380	1600	1910	1970	2480	2480
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	3.7	3.7	3.7	5.5	5.5	7.5	7.5	7.5	7.5	7.5
	泵浦流量 Pump flow (L/min)	600	600	600	800	800	1100	1100	1100	1100	1100
	泵浦扬程 Pump head(M)	21	21	21	23	23	25	25	25	25	25
	水箱容量 Tank capacity(T)	1	1	2	2	2	3	3	3	3	3

- 备注 Remarks:
- 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.
 - 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 环境温度为40℃。
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.
 - 以上制热标准工况为: 环境温度7℃, 热水出口温度45℃。
The above standard process configuration for heating: ambient temperature at 7℃, outlet hot water temperature at 45℃.
 - 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.

风冷式热泵机组(单螺杆)

AIR COOLED WITH HEAD PUMPS SERIES (SINGLE SCREW COMPRESSOR)

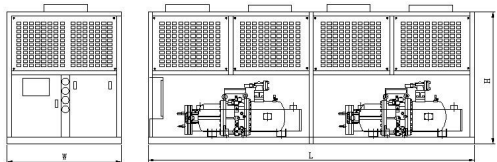


型号 Model		KFL-320ASH	KFL-380ASH	KFL-400ASH	KFL-440ASH	KFL-470ASH	KFL-490ASH	KFL-570ASH	KFL-630ASH	KFL-670ASH	KFL-750ASH
名义制冷量 Refrigeration capacity	KW	317.4	377.7	398.8	436.6	472.9	491.0	571.9	628.1	670.6	756.8
	×10 ³ Kcal/hr	273.0	324.8	343.0	375.5	406.7	422.2	491.8	540.1	576.7	650.8
	×10 ³ Btu/hr	1083.2	1289.0	1361.0	1490.0	1613.8	1675.6	1951.7	2143.5	2288.5	2582.7
	RT	90	107	113	124	134	139	162	178	190	215
名义制热量 Heating capacity	KW	349	415	439	480	520	540	629	691	738	832
压缩机 Comperssor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	RC2-620B	RC2-710B	RC2-790B	RC2-830B	RC2-930B
	排气量(m ³ /hr) Gas displacement	407	471	508	549	583	619	713	791	825	929
	压缩机数量 Compressor quantity	1	1	1	1	1	1	1	1	1	1
	输入功率(KW) Input power	88.5	102.8	108.5	117.6	126.6	130.6	150.5	167.0	177.3	199.4
	运转电流(A) Running current	148.8	172.8	182.5	197.7	212.8	219.6	253.0	280.7	298.1	335.2
	容量控制范围 Capacity control	0, 25, 50, 75, 100%(25%为启动) (25% for start-up)									
	润滑油填充量(L) Lubricating oil	16	18	20	23	23	23	23	28	28	28
	油加热器功率(W) Oil heater capacity	300	300	300	300	300	300	300	300	300	300
制冷剂 Refrigerant	类型 Type	R22									
	填充量(L) Packing quantity	49	57	61	66	70	74	86	95	99	111
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
空气侧换热器 Air heat exchanger	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophile aluminum platinum fin coil type									
	风机形式 Fan type	低噪音、防水耐候、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	131	152	160	174	187	193	222	247	262	294
水侧换热器 Water heat exchanger	形式 Type	壳管式 (Shell-and-tube)									
	进出水管接口(PT) Pipe size	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷冻水流量(m ³ /hr) Ice water flow rate	54.6	65.0	68.6	75.1	81.4	84.5	98.4	108.1	115.4	130.2
	热水流量(m ³ /hr) Heated water flow rate	60.1	71.5	75.5	82.6	89.5	92.9	108.2	118.9	126.9	143.2
	水压降(Kpa) Ice water pressure	45	50	53	45	47	47	50	52	56	56
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, anti-phase protection, under-voltage and over-voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	2260	2260	2260	4000	4000	4000	4000	4000	4000	4000
	宽(mm) W	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
	高(mm) H	2390	2390	2390	2570	2570	2570	2570	2570	2570	2570
整机重量 Total weight	Kg	2500	3100	3350	3660	3860	3860	4000	4250	4500	4500
运行重量 Working weight	Kg	2640	3250	3510	3830	4030	4030	4200	4400	4750	4750
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	7.5	11	11	11	11	11	15	15	15	15
	泵浦流量 Pump flow (L/min)	1100	2650	2650	2650	2650	2650	3000	3000	3000	3000
	泵浦扬程 Pump head(M)	25	25	25	25	25	25	28	28	28	28
	水箱容量 Tank capacity(T)	4	4	4	4	5	5	5	5	5	5

- 备注 Remarks:
- 以上电源规格为：3P-380V-50Hz，允许电压波动±10%，允许相间电压差±2%，冷媒为R22；
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.
 - 以上制冷能力条件为：冰水入口温度12℃，出口温度7℃，环境温度为40℃。
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.
 - 以上制热标准工况为：环境温度7℃，热水出口温度45℃。
The above standard process configuration for heating: ambient temperature at 7℃, outlet hot water temperature at 45℃.
 - 规格如有变更，以实机为准，恕不另行通知。
If specification is changed, then the actual model shall govern.

风冷式热泵机组(双螺杆)

AIR COOLED WITH HEAD PUMPS SERIES (DOUBLE SCREW COMPRESSOR)



型号 Model		KFL-150ADH	KFL-200ADH	KFL-270ADH	KFL-290ADH	KFL-360ADH	KFL-390ADH	KFL-460ADH	KFL-490ADH	KFL-530ADH	KFL-580ADH
名义制冷量 Refrigeration capacity	KW	150.1	204.5	268.4	292.2	356.3	391.0	460.7	486.9	532.8	576.6
	×10 ³ Kcal/hr	129.1	175.9	230.8	251.3	306.4	336.2	396.2	418.7	458.2	495.9
	×10 ³ Btu/hr	512.3	697.9	916.1	997.3	1216.0	1334.3	1572.2	1661.5	1818.2	1967.9
	RT	42.6	58.1	76.2	83.0	101.2	111.0	130.8	138.3	151.3	163.8
名义制热量 Heating capacity	KW	165	225	295	321	392	430	507	536	586	634
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-100B	RC2-140B	RC2-180B	RC2-200B	RC2-230B	RC2-260B	RC2-300B	RC2-310B	RC2-340B	RC2-370B
	排气量(m ³ /hr) Gas displacement	98	137	180	193	230	257	293	308	339	366
	压缩机数量 Compressor quantity	2	2	2	2	2	2	2	2	2	2
	输入功率(KW) Input power	23.2 * 2	30.7 * 2	38.5 * 2	42.2 * 2	51.4 * 2	56.0 * 2	63.0 * 2	66.3 * 2	73.0 * 2	79.6 * 2
	运转电流(A) Running current	39.2 * 2	51.6 * 2	64.7 * 2	71.0 * 2	86.4 * 2	94.1 * 2	105.9 * 2	111.4 * 2	122.7 * 2	133.8 * 2
	容量控制范围 Capacity control	0, 33, 66, 100%(33%为启动) (33% for start-up)					0, 25, 50, 75, 100%(25%为启动) (25% for start-up)				
	润滑油填充量(L) Lubricating oil	7 * 2	7 * 2	7 * 2	8 * 2	14 * 2	14 * 2	14 * 2	14 * 2	16 * 2	16 * 2
	油加热器功率(W) Oil heater capacity	150 * 2	150 * 2	150 * 2	150 * 2	150 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2
	类型 Type	R22									
制冷剂 Refrigerant	填充量(L) Packing quantity	12 * 2	16 * 2	22 * 2	23 * 2	28 * 2	31 * 2	35 * 2	37 * 2	41 * 2	44 * 2
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophilic aluminum platinum fin coil type									
空气侧换热器 Air heat exchanger	风机形式 Fan type	低噪音、防水耐候、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	69	91	114	125	152	165	186	196	216	235
	形式 Type	壳管式 (Shell-and-tube)									
水侧换热器 Water heat exchanger	进出水管接口(PT) Pipe size	3"	3"	3"	4"	4"	4"	4"	5"	5"	5"
	冷冻水流量(m ³ /hr) Ice water flow rate	25.8	35.2	46.2	50.3	61.3	67.3	79.3	83.8	91.7	99.2
	热水流量(m ³ /hr) Heated water flow rate	28.4	38.7	50.8	55.3	67.4	74.0	87.2	92.1	100.8	109.1
	水压降(Kpa) Ice water pressure	46	46	47	46	48	49	52	48	52	52
	形式 Type	壳管式 (Shell-and-tube)									
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete phase protection, opposite phase protection, lacking voltage and over voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	4200	4200	4200	4200	4200	3800	3800	3800	4520	4520
	宽(mm) W	1200	1200	1200	1200	1200	1900	1900	1900	2260	2260
	高(mm) H	2230	2230	2230	2230	2230	2390	2390	2390	2390	2390
整机重量 Total weight	Kg	2200	2200	2400	2500	2680	3000	3600	3700	3850	3850
运行重量 Working weight	Kg	2300	2300	2500	2600	2860	3200	3820	3950	4030	4030
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	7.5	7.5	7.5	11	11	11	11	15	15	15
	泵浦流量 Pump flow (L/min)	1100	1100	1100	2650	2650	2650	2650	3000	3000	3000
	泵浦扬程 Pump head(M)	25	25	25	28	28	28	28	30	30	30
	水箱容量 Tank capacity(T)	2	2	3	3	3	4	4	4	4	4

备注 Remarks:

1. 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22.
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.

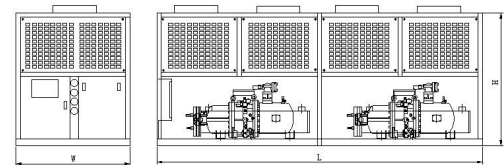
2. 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 环境温度为40℃.
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.

3. 以上制热标准工况为: 环境温度7℃, 热水出口温度45℃.
The above standard process configuration for heating: ambient temperature at 7℃, outlet hot water temperature at 45℃.

4. 规格如有变更, 以实机为准, 恕不另行通知.
If specification is changed, then the actual model shall govern.

风冷式热泵机组(双螺杆)

AIR COOLED WITH HEAD PUMPS SERIES (DOUBLE SCREW COMPRESSOR)



型号 Model		KFL-630ADH	KFL-750ADH	KFL-800ADH	KFL-870ADH	KFL-940ADH	KFL-980ADH	KFL-1140ADH	KFL-1250ADH	KFL-1340ADH	KFL-1510ADH
名义制冷量 Refrigeration capacity	KW	634.8	755.5	797.6	873.3	945.7	962.1	1143.8	1256.1	1341.1	1551.6
	×10 ³ Kcal/hr	545.9	649.7	685.9	751.0	813.3	827.4	983.6	1080.2	1153.3	1334.3
	×10 ³ Btu/hr	2166.3	2578.3	2721.9	2980.3	3227.3	3283.3	3903.4	4286.6	4576.7	5295.1
	RT	180	215	227	248	269	273	325	357	381	441
名义制热量 Heating capacity	KW	698	831	877	961	1040	1058	1258	1382	1475	1707
压缩机 Compressor	形式 Type	先进非对称之半封闭螺杆式(单机头) Single-screw semi-hermetic compressor advanced									
	压缩机型号 Compressor type	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	RC2-620B	RC2-710B	RC2-790B	RC2-830B	RC2-930B
	排气量(m ³ /hr) Gas displacement	407	471	508	549	583	619	713	791	825	929
	压缩机数量 Compressor quantity	2	2	2	2	2	2	2	2	2	2
	输入功率(KW) Input power	88.5 * 2	102.8 * 2	108.5 * 2	117.6 * 2	126.6 * 2	130.6 * 2	150.5 * 2	167.0 * 3	177.3 * 2	199.4 * 2
	运转电流(A) Running current	148.8 * 2	172.8 * 2	182.5 * 2	197.0 * 2	212.8 * 2	219.6 * 2	253.0 * 2	280.7 * 2	298.1 * 2	335.2 * 2
	容量控制范围 Capacity control	0, 25, 50, 75, 100% (25%为启动) (25% for start-up)									
	润滑油填充量(L) Lubricating oil	16 * 2	18 * 2	20 * 2	23 * 2	23 * 2	23 * 2	23 * 2	28 * 2	28 * 2	28 * 2
	油加热器功率(W) Oil heater capacity	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2	300 * 2
制冷剂 Refrigerant	类型 Type	R22									
	填充量(L) Packing quantity	49 * 2	57 * 2	61 * 2	66 * 2	70 * 2	74 * 2	86 * 2	95 * 2	99 * 2	111 * 2
	控制方式 Control type	感温式外部均压膨胀阀 Thermostatic valve									
空气侧换热器 Air heat exchanger	形式 Type	高效换热铜管亲水铝铂翅片式 High efficiency heat exchange copper pipe hydrophilic aluminum platinum fin coil type									
	风机形式 Fan type	低噪音、防水耐候、铝合金叶片轴流风机 Low noise, waterproof, anti-weather, and aluminum blade axial-flow fan									
	风机风量(×10 ³ m ³ /hr) Air flow rate	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
水侧换热器 Water heat exchanger	形式 Type	壳管式 (Shell-and-tube)									
	进出水管接口(PT) Pipe size	5"	5"	6"	6"	6"	6"	6"	8"	8"	8"
	冷冻水流量(m ³ /hr) Ice water flow rate	109.2	130.0	137.2	150.2	162.7	165.5	196.8	216.1	230.7	266.9
	热水流量(m ³ /hr) Heated water flow rate	120.1	143.0	150.9	165.3	179.0	182.1	216.4	237.7	253.8	293.6
	水压降(Kpa) Ice water pressure	53	56	52	53	55	55	57	52	55	55
安全保护装置 Safety protection device		高低压保护, 防冻防热保护, 安全阀, 过载保护, 欠相逆相保护, 欠电压过电压保护, 水流保护等 High & low pressure protection, antifreezing protection, anti-heating safety valve, overload protection, incomplete three protection device, three protection device, phase sequence and phase voltage protection, water flow protection									
外形尺寸 Out dimension	长(mm) L	4520	4520	4520	8000	8000	8000	8000	8000	8000	8000
	宽(mm) W	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260
	高(mm) H	2390	2570	2570	2570	2570	2570	2570	2570	2570	2570
整机重量 Total weight	Kg	4550	5000	5600	6350	6690	6690	6920	7280	7630	7630
运行重量 Working weight	Kg	4880	5220	6980	6630	6960	6960	7200	7550	7980	7980
建议配置 Suggestion disposition	泵浦功率 Pump capacity(KW)	15	15	15	18.75	18.75	18.75	18.75	18.75	18.75	18.75
	泵浦流量 Pump flow (L/min)	3000	3000	3000	3500	3500	3500	3500	3500	3500	3500
	泵浦扬程 Pump head(M)	25	25	25	30	30	30	30	30	30	30
	水箱容量 Tank capacity(T)	5	5	6	6	6	8	8	8	8	8

- 备注 Remarks:
- 以上电源规格为: 3P-380V-50Hz, 允许电压波动±10%, 允许相间电压差±2%, 冷媒为R22;
The above power supply is 3P-380V-50Hz, permission voltage hunting ±10%, permission interaction voltage difference ±2%, and refrigerant is R22.
 - 以上制冷能力条件为: 冰水入口温度12℃, 出口温度7℃, 环境温度为40℃。
The above nominal capacity is based on chilling water inlet temperature at 12℃, outlet temperature at 7℃, ambient temperature at 40℃.
 - 以上制热标准工况为: 环境温度7℃, 热水出口温度45℃。
The above standard process configuration for heating: ambient temperature at 7℃, outlet hot water temperature at 45℃.
 - 规格如有变更, 以实机为准, 恕不另行通知。
If specification is changed, then the actual model shall govern.