



创新 / 节能 / 环保

INNOVATE / ENERGY SAVING / ENVIRONMENTAL PROTECTION

INDUSTRIAL CHILLER SELECTION MANUAL

2017年

企业简介

COMPANY INTRODUCTION

广州市凌静制冷设备有限公司成立于2004年，致力于工业制冷、中央空调产品研发、生产、经营、服务于一体，在国内业界享有较高知名度和美誉的一家现代化高科技生产型企业。

公司创建以来，以科学谨慎态度，积极进取的目光建立了一支国内一流的研发队伍，同时与著名压缩机厂商台湾汉钟、美国谷轮精诚合作。强大的技术力量奠定了凌静产品的高效、节能、环保、可靠的市场地位，产品质量一直处于国际先进水平。产品范围有工业制冷类、中央空调类，包括涡旋机系列、螺杆机系列和末端系列等，凌静拥有工业变频冷水机组、工业冷水机组、空调型冷水机组、水（地）源热泵机组、水冷低温冷水机组、满液式冷水机组、水冷螺杆热回收机组、空气处理机组、风机盘管及末端产品等25大类1800小类产品，产品系列齐全，客户选择范围广，是最适合客户实际需求的主机生产厂家。

公司按照现代企业制度将规模化的资本、自主的知识产权、完整的经营机构、有效的管理制度、合理的市场网络整合为一体，为企业的持续稳定发展奠定了坚实的基础，并于2007年3月份获得广州市工商行政管理局颁发的“守合同重信用企业”的称号；同年被省组织部定为非公企业下属党支部；2008年荣获《环境保护信用承诺单位》的称号；2009年4月份荣获中国质量信用评价中心颁发的“AAA+级中国质量信用企业”的称号；同年还获得“消费者最信赖质量放心品牌”的称号；2012年荣获央视网招商频道2012-2013年度战略合作伙伴的称号；2017年6月份获得广东省工商行政管理局颁发的连续11年（2006-2016）《广东省守合同重信用企业》；凌静的品质在知名企业中得到见证，可口可乐公司、达利园集团、立白集团、中国铁建等大型企业的委以重任。

目前公司拥有完善的营销网络和售后体系。产品行销国内30多个省区、部分产品远销日本、东南亚等数个国家和地区。

公司坚持“优质、高效、创新、求实”的理念，遵循“诚为上，信为本”的准则，与制冷界同行携手，为促进制冷业的发展贡献自己的力量。

Guangzhou Lingjing freezing equipment co., LTD, founded in 2004, is committed to industrial refrigeration, central air conditioning products research and development, production, management, service into an organic whole, in the domestic industry enjoys high visibility and reputation of a modern high-tech production-oriented enterprises.

The company was founded, by careful science attitude, positive enterprising eyes set up a national first-class research and development team, at the same time with the famous compressor manufacturers cooperate Taiwan han zhong, valley of the wheel. Laid a kaneling products strong technical force of high efficiency, energy saving, environmental protection, reliable market position, product quality has been in the international advanced level. Product range has industrial refrigeration, central air conditioning, including vortex machine series, screw machine series and the end of the series, kaneling with frequency conversion water chillers, industrial water chillers, KongDiaoXing chiller, water (ground) source heat pump units, water-cooled water chiller at low temperature, full liquid type water chiller, water cooled screw heat recovery units, air handling units, fan coil units and end products such as 25 kinds of 1800 small products, complete product series, customers choose range, is the most suitable for the customer actual demand host manufacturers.

Company in accordance with the modern enterprise system to scale of capital, independent intellectual property rights, complete management organization, effective management system, reasonable market network integration for an organic whole, for the steady development of enterprises laid a solid foundation, and in March 2007 in guangzhou city administration for industry and commerce issued credit enterprise "by" title; In the same year by provincial affiliate organization department as the non-public enterprises party branch: in 2008 was awarded the title of "credit commitment for environmental protection unit"; In April 2009, won the China quality credit evaluation center awarded "AAA + China quality credit enterprise" title; In the same year won the "consumer trustworthy quality assured brand" title; In 2012 won the "CCTV net investment channel of 2012-2013 strategic partners" title; In June 2017 for 11 consecutive years issued by the administration for industry and commerce of guangdong province (2006-2016), "keep the contract heavy credit enterprise of guangdong province"; Kaneling quality be witnessed in the well-known enterprises, the Coca-Cola company, Dali garden group, white group, China railway construction and other large enterprise entrusts with an important task.

At present, the company has a perfect marketing network and after-sale system. Product marketing more than 30 domestic provinces and regions, some products are exported to Japan, southeast Asia and other countries and regions.

Companies adhere to the "high quality, high efficiency, innovation, truth-seeking" concept, follow the "honesty is, faith" criterion, and refrigeration industry, hand in hand, to promote the development of ZhiLengYe contribute their strength.

QUALIFICATION HONORS

资质荣誉

相互扶持，才能克服挑战；

团结协作，才能共创未来

In order to overcome the challenges that support
Solidarity and cooperation to create a better future

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PRODUCT PICTURES



水冷螺杆带热回收冷水机组 Water-cooled screw with heat recovery chiller



水冷螺杆式工业冷水机组(一体机)
Water-cooled screw-type industrial chillers(One machine)



水源热泵机组2 Water source heat pump unit



水冷螺杆式低温冷水机组
Water cooled screw type low temperature chiller



水源热泵机组1 Water source heat pump unit



风冷螺杆式工业冷水机组(一体机)
Air cooled screw type industrial water chiller(One machine)



水冷螺杆满液式冷水机组 Water-cooled screw full liquid chiller



水冷开放式工业冷水机组
Water-cooled open industrial chillers



水冷开放式工业(空调型)冷水机组
Water-cooled open industrial (air conditioning) chiller



水冷螺杆式工业(空调型)冷水机组
Water cooled screw type industrial (air conditioning) chiller



水冷箱式工业(空调型)冷水机组
Water-cooled box industrial (air conditioning) chiller



风冷箱式工业(空调型)冷水机组
Air box (air conditioning) industrial chiller



风冷螺杆式工业(空调型)冷水机组
Air cooled screw type industrial (air conditioning) chiller



水冷螺杆式工业箱式冷水机组(一体机)
Water cooling screw type industrial

VORTEX TYPE INDUSTRIAL WATER CHILLER

机组简介

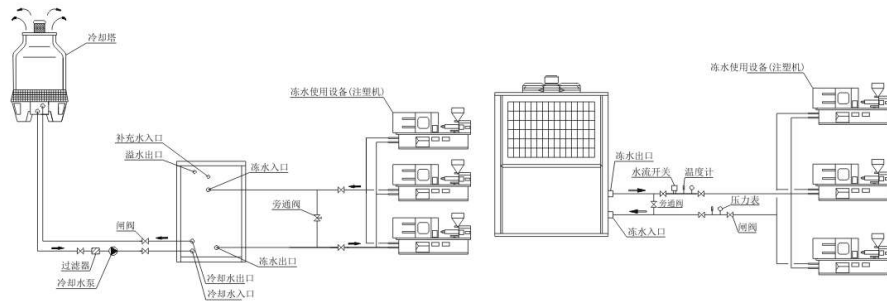
LJ系列涡旋式工业冷水机组是广州市凌静制冷设备有限公司生产的主要产品之一，是根据各种工业生产和工业产品需要冷却的特性制造的冷水机组，可以满足不同类型的工业生产制造中的冷却需要。采用国际知名品牌“谷轮”压缩机及电控元件加工制造，配备高效、优质的管式冷凝器或翅片式冷凝器及壳管式蒸发器，结构紧凑、制冷量充足、效率高、易于清理维护。

LJ系列涡旋式工业冷水机组共有二十几种规格，制冷范围由5600kcal/h至153900kcal/h(3HP-45HP)，冷冻出水温度范围5℃至20℃。机组配置有缺相保护、电机过载保护、高低压保护、低温保护及水流保护等保护装置，各种零部件组合完美，可在实际运行工况中发挥最大功效。所有机组均内配置冷冻水箱及冷冻水循环水泵。除标准规格外，还可根据用户要求订做各类非标机组。机组适用于电子、塑胶、电镀、化工、制药、食品加工及保鲜等行业。另外，我司还可生产海水源及不同电源制式的产品。

The unit introduction

LJ series vortex type industrial water chiller is guangzhou kaneling refrigeration equipment co., LTD. One of the main products of the production, is based on all kinds of industrial production and industrial products need to manufacture according to the features of cooling water chillers, can meet the cooling needs for production of different types of industrial production. Adopt international famous brand "valley" compressor and electronic components processing and manufacturing, equipped with high efficient and high quality or finned tube condenser shell and tube evaporator and condenser, compact structure, sufficient capacity, high efficiency and easy maintenance.

LJ series vortex type industrial chiller with a total of 20 kinds of specifications, the refrigeration range from 5600 kcal/h to 153900 kcal/h (3 HP - 45 HP), chilled water temperature 5 °C and 20 °C. The unit configuration has open phase protection, motor overload protection, high and low voltage protection, low temperature protection and protection for the protection of water flow, components combination is perfect, but the maximum efficacy in the actual operation condition. All units are equipped with chilled water tank and chilled water circulating pump. In addition to the standard rules, various non-standard units can be customized according to users' requirements. The unit is suitable for electronic, plastic, electroplating, chemical, pharmaceutical, food processing and preservation and other industries. In addition, we can also produce sea water source and different power supply products.



Water - cooled Scroll Industrial Chillers

Technical Parameters

型号LJR~Model	03WI			05WI			08WI			10WI			12.5WI			15WI					
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a			
名义制冷量 Rated Cooling Capacity	×1000kcal/h			9.5	9.1	6.3	14.1	13.8	9.7	22.6	22.5	15	29.8	29.6	20	34.1	34	22.8	44.1	43.3	29.9
	kW			11	10.6	7.3	16.4	16.1	11.3	26.3	26.2	17.4	34.6	34.4	23.3	39.7	39.5	26.5	51.3	50.4	34.8
输入功率(kW) Input power	2.75	2.65	2.05	3.85	3.75	2.75	6.5	6.5	4.9	8.1	8	6	9	8.8	6.6	11.7	11.5	8.6			
压缩机功率(kw×台数) Comp.Input Power×QTY	2.2x1	2.1x1	1.5x1	3.3x1	3.2x1	2.2x1	5x1	5x1	3.4x1	6.6x1	6.5x1	4.5x1	7.5x1	7.3x1	5.1x1	10.2x1	10x1	7.1x1			
冷冻泵型号 Chilled Water Pump Model	1DK20			1DK20			GD40-20			GD40-20			GD40-20			GD50-17					
冷冻泵功率(kW) Chilled Water Pump Power	0.55			0.55			1.5			1.5			1.5			1.5					
机组运行电流(A) Comp.current	5.3	5.4	4.5	8.1	8	6.2	13.3	13.9	12.4	16.1	16.2	14.1	17.2	17.3	13.8	24.4	25.7	23.4			
电源 Power Supply	3Φ-380V-50Hz																				
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection																				
制冷回路 Number Of Refrigeration Circuit	1																				
能量控制(%) Capacity Control	0,100																				
冷凝器Condenser	壳管式Shell-and-Tube Type																				
水侧最高承压(MPa) Water Side max Pressure	1																				
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	1"			1"			1-1/2"			1-1/2"			1-1/2"			2"					
冷却水流量(L/min) Cooling Water Flow	37.8	36.4	25.2	56.5	55.3	38.7	89.7	89.4	59.6	118.1	117.2	79.7	135.3	134.2	90.6	176.3	173.1	120.1			
冷凝器水压降(kPa) Condenser Water Pressure drop	21			22			23			29			31			41					
蒸发器 Evaporator	盘管式Coil Type									壳管式Shell-and-Tube Type											
水侧最高承压(MPa) Water Side max Pressure	1																				
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	1"			1"			1-1/2"			1-1/2"			1-1/2"			2"					
冻水流量(L/min) Chilled Water Flow	31.5	30.4	21	47	46.2	32.4	75.4	75.1	50	99.2	98.6	66.8	113.8	113.2	76	147.1	144.5	99.8			
蒸发器水压降(kPa) Evaporator Water Pressure drop	—			—			17			23			28			30					
运转噪音dB(A) Running noise	55			57			65			72			72			75					
水箱容积(L) Tank Volume	80			80			180			180			180			180					
整机重量(kg) Total Weight	120			160			430			450			490			540					

Note:

1. Rated Cooling Capacity Base: Chiller Water In/outlet 17°C/12°C, Cooling Water In/outlet 30°C/35°C; fouling factor: 0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C;
3. Cooling Water Range: 20°C ~ 40°C; R134a: 25°C ~ 45°C;
4. Changes of specification for improvement may be made without notice.

Water - cooled Scroll Industrial Chillers

Technical Parameters

型号LJR~Model	20WI			25WI			30WI			40WI			45WI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	59.5	59.2	40.1	68.3	67.9	45.6	89.3	88.8	60.1	102.4	101.9	68.4	132.4	130	89.8
	kW	69.2	68.8	46.6	79.4	79	53	103.8	103.2	69.9	119.1	118.5	79.5	153.9	151.2	104.4
输入功率(kW) Input power	14.7	14.5	10.5	16.5	16.1	11.7	22	21.7	15.7	24.7	24.1	17.5	32.8	32.2	23.5	
压缩机功率(kw×台数) Comp.Input Power×QTY	6.6x2	6.5x2	4.5x2	7.5x2	7.3x2	5.1x2	6.6x3	6.5x3	4.5x3	7.5x3	7.3x3	5.1x3	10.2x3	10x3	7.1x3	
冻水泵型号 Chilled Water Pump Model	GD50-17			GD50-17			GD65-19			GD65-19			GD65-19			
冷水泵功率(kW) Chilled Water Pump Power	1.5			1.5			2.2			2.2			2.2			
机组运行电流(A) Comp.current	28.8	29	24.8	31	31.2	24.2	42.8	43.1	36.8	46.1	46.4	35.9	67.7	71.6	64.7	
电源 Power Supply	3Φ-380V-50Hz															
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection															
制冷回路 Number Of Refrigeration Circuit	2						3									
能量控制(%) Capacity Control	0, 50, 100						0, 33, 66, 100									
冷凝器 Condenser	壳管式Shell-and-Tube Type															
水侧最高承压(MPa) Water Side max Pressure	1															
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	2"			2"			2-1/2"			2-1/2"			2-1/2"			
冷却水流量(L/min) Cooling Water Flow	236.2	234.5	159.4	270.6	268.3	181.2	354.3	351.7	239.1	405.9	402.5	271.8	528.9	519.4	360.3	
冷凝器水压降(kPa) Condenser Water Pressure drop	56			56			58			55			56			
蒸发器 Evaporator	壳管式Shell-and-Tube Type															
水侧最高承压(MPa) Water Side max Pressure	1															
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	2"			2"			2-1/2"			2-1/2"			2-1/2"			
冻水流量(L/min) Chilled Water Flow	198.4	197.2	133.6	227.6	226.5	151.9	297.6	295.8	200.4	341.4	339.7	227.9	441.2	433.4	299.3	
蒸发器水压降(kPa) Evaporator Water Pressure drop	28			28			32			32			31			
运转噪音dB(A) Running noise	75			75			75			75			75			
水箱容积(L) Tank Volume	270			270			270			270			270			
整机重量(kg) Total Weight	720			780			870			1030			1080			

Note:

1. Rated Cooling Capacity Base: Chiller Water In/outlet 17°C/12°C, Cooling Water In/outlet 30°C/35°C; fouling factor: 0.088m²·°C/kW;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C;
3. Cooling Water Range: 20°C ~ 40°C; R134a: 25°C ~ 45°C;
4. Changes of specification for improvement may be made without notice.

Air-cooled Scroll Industrial Chillers

Technical Parameters

型号LJR~Model	03AI			05AI			08AI			10AI			12.5AI			15AI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	8.5	8.1	5.6	12.6	12.3	8.7	20.4	20.2	13.3	27.1	26.4	18	30.9	30.3	20.4	39.7	38.6	26.7
	kW	9.9	9.4	6.5	14.7	14.3	10.1	23.7	23.5	15.5	31.5	30.7	20.9	35.9	35.2	23.7	46.2	44.9	31.1
输入功率(kW) Input power	3.49	3.49	2.69	5.03	4.93	3.63	8.38	8.48	6.48	11.02	10.92	8.22	12.02	11.92	9.12	15.3	15.3	11.5	
压缩机功率(kw×台数) Comp.Input Power×QTY	2.7x1	2.7x1	1.9x1	4.1x1	4x1	2.7x1	6.1x1	6.2x1	4.2x1	8.2x1	8.1x1	5.4x1	9.2x1	9.1x1	6.3x1	12.4x1	12.4x1	8.6x1	
冻水泵型号 Chilled Water Pump Model	1DK20			1DK20			GD40-20			GD40-20			GD40-20			GD50-17			
冷水泵功率(kW) Chilled Water Pump Power	0.55			0.55			1.5			1.5			1.5			1.5			
机组运行电流(A) Comp.current	6.6	6.7	5.5	9.75	9.75	7.65	16.65	17.05	14.75	20.6	20.7	17.5	22.2	22.2	17.9	30.8	31.7	28.2	
电源 Power Supply	3Φ-380V-50Hz																		
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection																		
制冷回路 Number Of Refrigeration Circuit	1																		
能量控制(%) Capacity Control	0,100																		
冷凝器 Condenser	铜管穿波纹铝片Ripple Aluminum Finsaround Copper Pipe																		
风机功率(kW) Power Input of Fan	0.24			0.38			0.78			1.32			1.32			1.4			
蒸发器 Evaporator	盘管式Coil type									壳管式Shell-and-Tube Type									
水侧最高承压(MPa) Water Side max Pressure	1																		
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	1"			1"			1-1/2"			1-1/2"			1-1/2"			2"			
冻水流量(L/min) Chilled Water Flow	28.4	26.9	18.6	42.1	41	29	67.9	67.4	44.4	90.3	88	60	102.9	100.9	67.9	132.4	128.7	89.2	
蒸发器水压降(kPa) Evaporator Water Pressure drop	—			—			17			23			28			30			
运转噪音dB(A) Running noise	72			72			75			75			75			75			
水箱容积(L) Tank Volume	80			80			180			180			180			180			
整机重量(kg) Total Weight	130			170			430			470			510			560			

注:

1. 名义制冷量基准: 空气干/湿球温度35°C/24°C, 蒸发器进出水温度17°C/12°C, 污垢系数0.088m²·°C/kW;
2. 冻水温度范围: 5°C ~ 20°C; R134a: 5°C ~ 25°C;
3. 环境温度范围: 5°C ~ 43°C; R134a: 5°C ~ 50°C;
4. 规格参数及外形尺寸因产品改良会有所变动, 恕不另行通知。

Note:

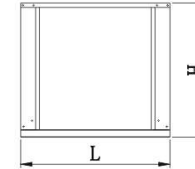
1. Rated Cooling Capacity Base: Air dry/wet bulb temperature 35°C/24°C, Evaporator temperature Inlet/outlet 17°C/12°C, fouling factor: 0.088m²·°C/kW;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C;
3. Ambient temperature range: 5°C ~ 43°C; R134a: 5°C ~ 50°C;
4. Changes of specification for improvement may be made without notice.

Air-cooled Scroll Industrial Chillers

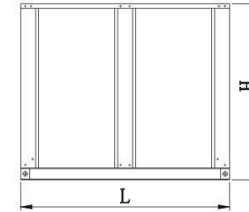
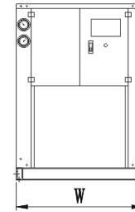
Technical Parameters

型号LJR~Model	20AI			25AI			30AI			40AI			45AI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	54.2	52.8	35.9	61.7	60.5	40.8	81.3	79.2	53.9	92.6	90.8	61.1	119.2	115.8	80.2
	kW	63	61.4	41.8	71.8	70.4	47.4	94.5	92.1	62.7	107.7	105.6	71.1	138.5	134.7	93.3
输入功率(kW) Input power	20.54	20.34	14.94	22.54	22.34	16.74	30.76	30.46	22.36	33.76	33.46	25.06	43.6	43.6	32.2	
压缩机功率(kw×台数) Comp.Input Power×QTY	8.2x2	8.1x2	5.4x2	9.2x2	9.1x2	6.3x2	8.2x3	8.1x3	5.4x3	9.2x3	9.1x3	6.3x3	12.4x3	12.4x3	8.6x3	
冻水泵型号 Chilled Water Pump Model	GD50-17			GD50-17			GD65-19			GD65-19			GD65-19			
冷水泵功率(kw) Chilled Water Pump Power	1.5			1.5			2.2			2.2			2.2			
机组运行电流(A) Comp.current	37.8	38	31.6	41	41	32.4	56.3	56.6	47	61.1	61.1	48.2	86.9	89.6	79.1	
电源 Power Supply	3Φ-380V-50Hz															
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection															
制冷回路 Number Of Refrigeration Circuit	2						3									
能量控制(%) Capacity Control	0, 50, 100						0, 33, 66, 100									
冷凝器 Condenser	铜管穿波纹铝片Ripple Aluminum Finsaround Copper Pipe															
风机功率(kW) Power Input of Fan	2.64			2.64			3.96			3.96			4.2			
蒸发器Evaporator	壳管式Shell-and-Tube Type															
水侧最高承压(MPa) Water Side max Pressure	1															
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	2"			2"			2-1/2"			2-1/2"			2-1/2"			
冻水流量(L/min) Chilled Water Flow	180.6	176	119.8	205.8	201.8	135.9	270.9	264	179.7	308.7	302.7	203.8	397	386.1	267.5	
蒸发器水压降(kPa) Evaporator Water Pressure drop	28			28			32			32			31			
运转噪音dB(A) Running noise	75			75			75			75			75			
水箱容积(L) Tank Volume	270			270			270			270			270			
整机重量(kg) Total Weight	840			880			980			1130			1280			

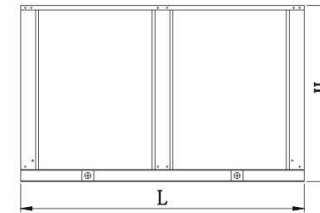
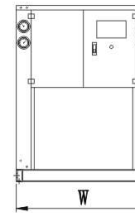
Note:
 1. Rated Cooling Capacity Base: Air dry/wet bulb temperature35°C/24°C, Evaporator temperature Inlet/outlet17°C/12°C,fouling factor:0.088m²·°C /kW ;
 2. Chilled Water Range:5°C ~ 20°C, R134a : 5°C ~ 25°C;
 3. Ambient temperature range:5°C ~ 43°C, R134a : 5°C ~ 50°C;
 4. Changes of specification for improvement may be made without notice.



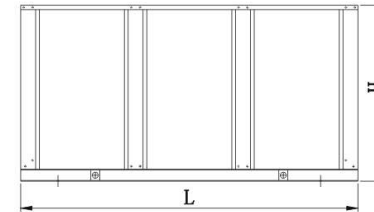
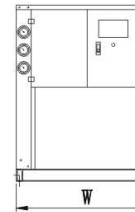
型号	L	W	H
LJ-03WJ	1000	700	900
LJ-05WJ	1000	700	900



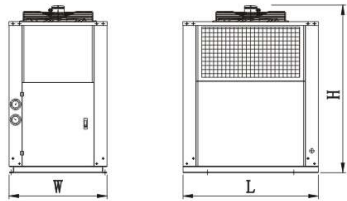
型号	L	W	H
LJ-08WI	1400	850	1180
LJ-10WI	1400	850	1180
LJ-12.5WI	1400	850	1180
LJ-15WI	1400	850	1180



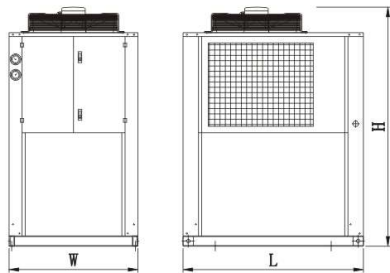
型号	L	W	H
LJ-20WI	1900	900	1180
LJ-25WI	1900	900	1180



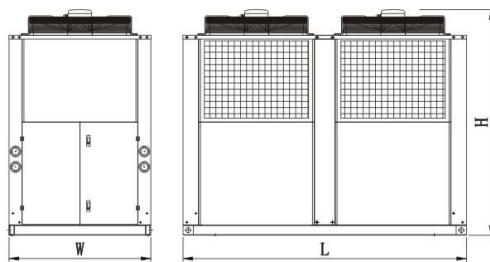
型号	L	W	H
LJ-30WI	2200	950	1180
LJ-40WI	2200	950	1180
LJ-45WI	2400	950	1180



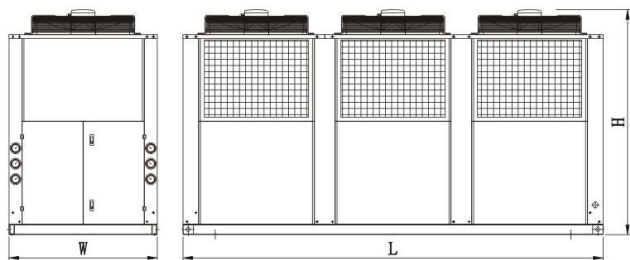
型号	L	W	H
LJ-03AI	1050	760	1300
LJ-05AI	1050	760	1400



型号	L	W	H
LJ-08AI	1400	1000	1850
LJ-10AI	1400	1100	1750
LJ-12.5AI	1400	1100	1850
LJ-15AI	1550	1100	1950



型号	L	W	H
LJ-20AI	2200	1100	1750
LJ-25AI	2200	1100	1850



型号	L	W	H
LJ-30AI	3260	1150	1750
LJ-40AI	3260	1150	1850
LJ-45AI	3560	1150	1950

SCREW INDUSTRIAL WATER CHILLER

机组简介

LJR系列螺杆式工业冷水机组是广州市凌静制冷设备有限公司针对工业应用领域推出的系列产品，采用国际知名品牌“汉钟”螺杆压缩机及电控元件加工制造，配备高效、优质的管式冷凝器或翅片式冷凝器及壳管式蒸发器。

LJR系列螺杆式工业冷水机组共有几十种规格，制冷范围由62kW至3672kW,冷冻出水温度调节范围5°C至20°C。机组适用于电子、塑胶、电镀、化工、太阳能光伏、制药、食品加工及保鲜等行业。

机组特点：

1、高效节能

具有主要部件的生产能力，拥有自主知识产权，系统完美搭配，整机能效达5.5

2、运行可靠

机组配置有缺相保护、电机过载保护、高低压保护、低温保护及水流保护等保护装置。

机组备有单、双回路设计，满足客户的不同选择。当双回路机组配置的单台压缩机出现故障时，另一台压缩机仍可正常运行，不影响客户使用。除标准规格外，还可根据用户要求订做各类非标机组。

所有机组出厂前均通过安全检测系统100%测试，确保机组性能符合国家标准。

3、智能化控制

机组采用微电脑控制，可以通过集中管理系统操作。机组可选配远程管理程序，反馈系统运行信息，实现远程服务。

4、安装、维护简便

机组出厂前已充注冷媒和润滑油，客户只需连接进、出水管和电源即可运行。

控制界面直接显示故障内容，方便及时了解故障并排除。

5、特殊设计

机组可根据机房条件，灵活设计外形尺寸，可散件出厂，现场组装。

多种冷媒选择，机组可提供R22、R407C、R134a等冷媒介质。

根据不同国家地区的电源生产不同电源制式的机组，还可根据用户要求订做螺杆工业一体式机组及各类防腐、盐水等高压非标机组。



Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	100WSI			140WSI			180WSI			200WSI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	92	92	60.2	126.4	123	85.1	166	158.2	111.8	178.9	178	120.4
	kW	107	107	70	147	143	99	193	184	130	208	207	140
	USRT	30.4	30.4	19.9	41.8	40.7	28.1	54.9	52.3	37	59.1	58.9	39.8
输入功率 Input power	kW	22.3	22.1	14	29.5	29	18.2	37.1	35.9	22.8	40.8	40.6	25.7
机组运行电流(A) Comp.current		40.6	40.2	28.2	53.8	53	37.3	68.6	66.9	48.3	74.3	74	52.3
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	1												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 33, 66, 100									无级容调Stepless Capacity Control或0,25,50,75,100			
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	18	18	12	25	24	16	32	30	22	35	34	24	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	2-1/2"			2-1/2"			3"			3"			
冷却水流量(m ³ /h) Cooling Water Flow	22.2	22.2	14.4	30.4	29.6	20.2	39.6	37.8	26.3	42.8	42.6	28.5	
冷凝器水压降(kPa) Condenser Water Pressure drop	41			47			47			53			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	2-1/2"			2-1/2"			3"			3"			
冻水流量(m ³ /h) Chilled Water Flow	18.4	18.4	12	25.3	24.6	17	33.2	31.6	22.4	35.8	35.6	24.1	
蒸发器水压降(kPa) Evaporator Water Pressure drop	22			26			31			33			
运转噪音dB(A) Running noise	65			66			66			66			
整机重量(kg)Total Weight	980			1010			1060			1100			
运行重量(kg)Running Weight	1080			1120			1270			1320			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	230WSI			260WSI			300WSI			310WSI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	221.9	216.7	155.7	239.1	236.5	160.8	281.2	280.4	189.2	297.6	296.7	201.3
	kW	258	252	181	278	275	187	327	326	220	346	345	234
	USRT	73.4	71.7	51.5	79	78.2	53.2	93	92.7	62.6	98.4	98.1	66.5
输入功率 Input power	kW	48.8	49	33	53.3	53.9	33.9	60.5	59.9	38.8	64.3	63.1	41
机组运行电流(A) Comp.current		90	90.3	65.4	97.3	98.1	66.7	109.9	108.9	75.3	116.2	114	79.2
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	1												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 50, 75, 100												
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	43	42	30	46	45	31	55	54	36	58	57	39	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	3"			3"			4"			4"			
冷却水流量(m ³ /h) Cooling Water Flow	52.8	51.8	36.8	57	56.6	38	66.7	66.4	44.5	70.6	70.2	47.3	
冷凝器水压降(kPa) Condenser Water Pressure drop	53			53			53			53			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	3"			3"			4"			4"			
冻水流量(m ³ /h) Chilled Water Flow	44.4	43.3	31.1	47.8	47.3	32.2	56.2	56.1	37.8	59.5	59.3	40.2	
蒸发器水压降(kPa) Evaporator Water Pressure drop	35			45			55			55			
运转噪音dB(A) Running noise	68			68			69			71			
整机重量(kg)Total Weight	1150			1210			1300			1390			
运行重量(kg)Running Weight	1380			1450			1560			1670			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	340WSI			370WSI			410WSI			470WSI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	331.1	324.2	219.3	356.9	354.3	243.4	387.9	381.8	264.8	471.3	452.4	302.7
	kW	385	377	255	415	412	283	451	444	308	548	526	352
	USRT	109.5	107.2	72.5	118	117.1	80.5	128.2	126.2	87.6	155.8	149.6	100.1
输入功率 Input power	kW	70.2	70	44.6	76.2	76.5	48	83.9	83.8	53.8	100.5	97.2	60.7
机组运行电流(A) Comp.current		127.2	126.8	86.4	137.1	137.7	91.8	149.3	149.1	100.3	178.7	173	114.4
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	1												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 50, 75, 100												
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	64	62	42	69	68	47	75	74	51	91	87	58	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	4"			4"			5"			5"			
冷却水流量(m ³ /h) Cooling Water Flow	78.3	76.9	51.5	84.5	84	56.9	92	90.8	62.2	111.5	107.2	71	
冷凝器水压降(kPa) Condenser Water Pressure drop	53			53			53			53			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	4"			4"			4"			5"			
冻水流量(m ³ /h) Chilled Water Flow	66.2	64.8	43.9	71.4	70.9	48.7	77.6	76.4	53	94.3	90.5	60.5	
蒸发器水压降(kPa) Evaporator Water Pressure drop	61			61			63			66			
运转噪音dB(A) Running noise	68			68			71			71			
整机重量(kg)Total Weight	1520			1640			1680			1700			
运行重量(kg)Running Weight	1820			1970			1850			2040			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	510WSI			550WSI			580WSI			620WSI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	491.9	477.3	325.1	544.4	528	356	589.9	562.4	380.1	612.3	588.2	399.9
	kW	572	555	378	633	614	414	686	654	442	712	684	465
	USRT	162.6	157.8	107.5	180	174.6	117.7	195	186	125.7	202.4	194.5	132.2
输入功率 Input power	kW	102.8	102.6	65.6	115.7	114	70.8	123.8	120.9	73	129.5	127.4	78.9
机组运行电流(A) Comp.current		184.1	183.7	126.5	205.9	203.1	133.9	219.9	215	137.1	230.3	226.7	148.5
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	1												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 50, 75, 100												
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	95	92	63	105	102	69	114	109	73	118	114	77	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	5"			5"			5"			5"			
冷却水流量(m ³ /h) Cooling Water Flow	116.1	113.1	76.3	128.8	125.2	83.4	139.3	133.3	88.6	144.7	139.6	93.6	
冷凝器水压降(kPa) Condenser Water Pressure drop	53			53			53			58			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	5"			5"			5"			5"			
冻水流量(m ³ /h) Chilled Water Flow	98.4	95.5	65	108.9	105.6	71.2	118	112.5	76	122.5	117.6	80	
蒸发器水压降(kPa) Evaporator Water Pressure drop	63			65			67			69			
运转噪音dB(A) Running noise	73			73			73			73			
整机重量(kg)Total Weight	1860			2000			2280			2380			
运行重量(kg)Running Weight	2230			2400			2740			2860			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	710WSI			790WSI			830WSI			930WSI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	712.9	684.5	459.2	767.1	752.5	509.1	835	807.5	547	942.6	900.4	640.7
	kW	829	796	534	892	875	592	971	939	636	1096	1047	745
	USRT	235.7	226.3	151.8	253.6	248.8	168.3	276.1	267	180.8	311.6	297.7	211.8
输入功率 Input power	kW	147.6	146.7	90.4	159.2	161.1	98.8	173.8	172	107.3	196.5	191.4	122.3
机组运行电流(A) Comp.current		260.3	258.8	173.5	280.7	283.9	188.6	306.4	302.7	204.6	346.1	337.9	232.5
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	1												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 50, 75, 100												
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	138	132	89	148	145	98	161	156	106	182	174	124	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	5"			5"			5"			6"			
冷却水流量(m ³ /h) Cooling Water Flow	168	162.1	107.4	180.8	178.2	118.8	197	191.1	127.8	222.3	213	149.2	
冷凝器水压降(kPa) Condenser Water Pressure drop	65			67			68			71			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	5"			5"			5"			6"			
冻水流量(m ³ /h) Chilled Water Flow	142.6	136.9	91.8	153.4	150.5	101.8	167	161.5	109.4	188.5	180	128.1	
蒸发器水压降(kPa) Evaporator Water Pressure drop	69			75			75			75			
运转噪音dB(A) Running noise	75			75			75			75			
整机重量(kg)Total Weight	2520			2730			2820			2980			
运行重量(kg)Running Weight	2800			3020			3240			3400			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	1020WSI			1130WSI			1270WSI			1530WSI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	1063	1026	732.7	1213	1131.8	807.5	1361.4	1332	931.3	1578.9	1516.2	1042.3
	kW	1236	1193	852	1411	1316	939	1583	1549	1083	1836	1763	1212
	USRT	351.4	339.2	242.3	401.2	374.2	267	450.1	440.4	308	522	501	344.6
输入功率 Input power	kW	220.4	219.2	141.6	245.2	237.1	154.3	273.9	282.7	175.6	316	318.7	194.2
机组运行电流(A) Comp.current		402.2	400	276.5	443.9	430.2	295.5	489.9	504.2	334.9	564.7	568.8	372.6
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	1												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 50, 75, 100												
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	206	198	142	235	219	156	263	258	180	306	293	202	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	8"			8"			8"			8"			
冷却水流量(m ³ /h) Cooling Water Flow	250.5	242.9	171	284.9	267.1	188	319.4	315.1	216.5	370.1	358.1	241.9	
冷凝器水压降(kPa) Condenser Water Pressure drop	71			74			84			89			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	8"			8"			8"			8"			
冻水流量(m ³ /h) Chilled Water Flow	212.6	205.2	146.5	242.7	226.4	161.5	272.3	266.4	186.3	315.8	303.2	208.5	
蒸发器水压降(kPa) Evaporator Water Pressure drop	72			74			76			79			
运转噪音dB(A) Running noise	75			75			75			75			
整机重量(kg)Total Weight	3150			3320			3580			3720			
运行重量(kg)Running Weight	3780			3980			4300			4460			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model		200WDI			280WDI			360WDI			400WDI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	183.2	184	121.3	253.7	245.9	169.4	332.8	317.3	223.6	356.9	356	239.9
	kW	213	214	141	295	286	197	387	369	260	415	414	279
	USRT	60.6	60.8	40.1	83.9	81.3	56	110	104.9	73.9	118	117.7	79.3
输入功率 Input power	kW	44.7	44.3	27.9	59.1	58	36.5	74.1	71.8	45.6	81.5	81.1	51.5
机组运行电流(A) Comp.current		81.2	80.4	56.4	107.6	106	74.6	137.2	133.8	96.6	148.6	148	104.6
电源Power Supply		3Φ-380V-50Hz											
保护装置 Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		2											
能量控制(%) Capacity Control		无级容调Stepless Capacity Control或0, 33, 50, 66.5, 83, 100 无级容调Stepless Capacity Control 或0,25,37.5,50,62.5,75,87.5,100											
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		36	36	23	49	47	32	64	61	43	69	69	46
冷凝器 Condenser		壳管式Shell-and-Tube Type											
水侧最高承压(MPa) Water Side max Pressure		1											
冷凝器进出口管径 Dia.of pipe to Condenser(inch)		3"			3"			4"			4"		
冷却水流量(m³/h) Cooling Water Flow		44.3	44.4	29.1	61.1	59.2	40.2	79.3	75.8	52.6	85.4	85.2	56.8
冷凝器水压降(kPa) Condenser Water Pressure drop		45			46			46			46		
蒸发器Evaporator		壳管式Shell-and-Tube Type											
水侧最高承压(MPa) Water Side max Pressure		1											
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)		3"			3"			4"			4"		
冻水流量(m³/h) Chilled Water Flow		36.6	36.8	24.3	50.7	49.2	33.9	66.6	63.5	44.7	71.4	71.2	48
蒸发器水压降(kPa) Evaporator Water Pressure drop		31			37			40			40		
运转噪音dB(A) Running noise		70			70			70			70		
整机重量(kg)Total Weight		1570			1810			1930			2050		
运行重量(kg)Running Weight		1990			2450			2320			2460		

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model		460WDI			520WDI			600WDI			620WDI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	443.7	433.4	311.3	478.2	473.8	320.8	563.3	560.7	379.3	595.1	592.5	402.5
	kW	516	504	362	556	551	373	655	652	441	692	689	468
	USRT	146.7	143.3	102.9	158.1	156.7	106.1	186.3	185.4	125.4	196.7	195.9	133.1
输入功率 Input power	kW	97.6	98	65.9	106.5	107.7	67.8	121	119.9	77.5	128.6	126.2	82.5
机组运行电流(A) Comp.current		180	180.6	130.8	194.6	196.2	133.4	219.8	217.8	150.6	232.4	228	158.4
电源Power Supply		3Φ-380V-50Hz											
保护装置 Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		2											
能量控制(%) Capacity Control		无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100											
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		86	84	60	92	91	62	109	108	73	115	114	78
冷凝器 Condenser		壳管式Shell-and-Tube Type											
水侧最高承压(MPa) Water Side max Pressure		1											
冷凝器进出口管径 Dia.of pipe to Condenser(inch)		3"×2			3"×2			4"×2			4"×2		
冷却水流量(m³/h) Cooling Water Flow		105.5	103.5	73.6	114	113.3	75.8	133.5	132.8	89.2	141.1	140.2	94.7
冷凝器水压降(kPa) Condenser Water Pressure drop		46			47			48			48		
蒸发器Evaporator		壳管式Shell-and-Tube Type											
水侧最高承压(MPa) Water Side max Pressure		1											
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)		4"			5"			5"			5"		
冻水流量(m³/h) Chilled Water Flow		88.8	86.7	62.3	95.6	94.8	64.2	112.7	112.1	75.9	119	118.5	80.5
蒸发器水压降(kPa) Evaporator Water Pressure drop		37			40			41			42		
运转噪音dB(A) Running noise		71			71			71			71		
整机重量(kg)Total Weight		2130			2240			2330			2450		
运行重量(kg)Running Weight		2560			2690			2800			2940		

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	680WDI			740WDI			820WDI			940WDI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	662.2	647.6	438.6	713.8	707.8	486.8	775.7	764.5	530.6	942.6	904.7	604.6
	kW	770	753	510	830	823	566	902	889	617	1096	1052	703
	USRT	218.9	214.1	145	236	234	161	256.5	252.8	175.4	311.6	299.1	200
输入功率 Input power	kW	140.4	139.8	89.1	152.4	152.9	96.1	167.8	167.6	107.5	201	194.4	121.4
机组运行电流(A) Comp.current		254.4	253.6	172.8	274.2	275.4	183.6	298.6	298.2	200.6	357.4	346	228.8
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	2												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100												
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	128	125	85	138	137	94	150	148	102	182	175	117	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	4"×2			4"×2			4"×2			5"×2			
冷却水流量(m³/h) Cooling Water Flow	156.6	153.6	103	169	167.9	113.9	184	181.7	124.6	223.1	214.4	141.8	
冷凝器水压降(kPa) Condenser Water Pressure drop	49			49			50			50			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	5"			5"			6"			6"			
冻水流量(m³/h) Chilled Water Flow	132.4	129.5	87.7	142.8	141.6	97.4	155.1	152.9	106.1	188.5	180.9	120.9	
蒸发器水压降(kPa) Evaporator Water Pressure drop	51			51			52			53			
运转噪音dB(A) Running noise	73			73			73			73			
整机重量(kg)Total Weight	2550			2740			2950			3120			
运行重量(kg)Running Weight	3060			3290			3540			3740			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	1020WDI			1110WDI			1160WDI			1240WDI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	984.7	954.6	651	1088.7	1056	712.9	1179	1125.7	759.4	1224.6	1177.3	800.7
	kW	1145	1110	757	1266	1228	829	1371	1309	883	1424	1369	931
	USRT	325.6	315.6	215.2	360	349.2	235.7	390	372.2	251	405	389.3	264.7
输入功率 Input power	kW	205.6	205.2	131.1	231.4	228	141.6	247.6	241.9	145.9	259	254.8	157.7
机组运行电流(A) Comp.current		368.2	367.4	253	411.8	406.2	267.8	439.8	430	274.2	460.6	453.4	297
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	2												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100												
控制模式 Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	190	185	126	211	204	138	228	218	147	237	228	155	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	5"×2			5"×2			5"×2			5"×2			
冷却水流量(m³/h) Cooling Water Flow	232.3	226.2	152.8	257.6	250.4	166.9	278.4	266.8	177	289.5	279.3	187.3	
冷凝器水压降(kPa) Condenser Water Pressure drop	50			51			54			58			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	6"			6"			6"			6"			
冻水流量(m³/h) Chilled Water Flow	196.9	190.9	130.2	217.8	211.2	142.6	235.8	225.1	151.9	244.9	235.5	160.1	
蒸发器水压降(kPa) Evaporator Water Pressure drop	47			47			52			53			
运转噪音dB(A) Running noise	73			75			75			75			
整机重量(kg)Total Weight	3350			3580			3620			3780			
运行重量(kg)Running Weight	4020			4300			4340			4540			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	1420WDI			1580WDI			1660WDI			1860WDI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	1426.7	1370	917.6	1535.1	1504.1	1018.2	1670.9	1614.2	1094.8	1885.1	1801.7	1280.5
	kW	1659	1593	1067	1785	1749	1184	1943	1877	1273	2192	2095	1489
	USRT	471.7	453	303.4	507.6	497.3	336.7	552.5	533.7	362	623.3	595.8	423.4
输入功率 Input power	kW	295.3	293.4	180.9	318.4	322.2	197.6	347.7	343.3	214.5	392.9	382.9	244.5
机组运行电流(A) Comp.current		520.6	517.6	347	561.4	567.8	377.2	612.8	605.4	409.2	692.2	675.8	465
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	2												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100												
控制模式Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	276	265	177	297	291	197	323	312	212	365	349	248	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	6"×2			6"×2			6"×2			6"×2			
冷却水流量(m ³ /h) Cooling Water Flow	336.1	324.5	214.6	361.8	356.2	237.6	394	382	255.9	444.6	426.2	298.2	
冷凝器水压降(kPa) Condenser Water Pressure drop	65			67			67			74			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	8"			8"			8"			8"			
冻水流量(m ³ /h) Chilled Water Flow	285.3	274	183.5	307	300.8	203.6	334.2	322.8	219	377	360.3	256.1	
蒸发器水压降(kPa) Evaporator Water Pressure drop	56			60			76			78			
运转噪声dB(A) Running noise	75			75			75			75			
整机重量(kg)Total Weight	3950			4120			4350			4570			
运行重量(kg)Running Weight	4740			4940			5220			5480			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Water-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model	2040WDI			2260WDI			2540WDI			3060WDI			
制冷剂Refrigerant	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	
名义制冷量 Rated Cooling Capacity	×1000kcal/h	2125.9	2052.8	1466.3	2426.9	2263.5	1614.2	2722.7	2664.3	1863.6	3157.9	3033.2	2084.6
	kW	2472	2387	1705	2822	2632	1877	3166	3098	2167	3672	3527	2424
	USRT	703	678.8	484.8	802.5	748.4	533.7	900.2	881	616.2	1044.2	1003	689.3
输入功率 Input power	kW	440.8	438.3	283.3	490.4	474.2	308.6	547.8	565.4	351.3	632.3	637.5	388.4
机组运行电流(A) Comp.current		804.4	800	553	887.8	860.4	591	979.8	1008.4	669.8	1129.4	1137.6	745.2
电源Power Supply	3Φ-380V-50Hz												
保护装置 Protection Device	逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection												
制冷回路 Number Of Refrigeration Circuit	2												
能量控制(%) Capacity Control	无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100												
控制模式Control mode	单片机控制Chip microcomputer Control、PLC控制PLC Control												
制冷剂充注量(kg) Refrigerant charge	412	397	284	470	438	312	527	516	361	612	587	404	
冷凝器 Condenser	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
冷凝器进出口管径 Dia.of pipe to Condenser(inch)	6"×2			6"×2			8"×2			8"×2			
冷却水流量(m ³ /h) Cooling Water Flow	501	486	342	569.7	534.3	375.9	638.8	630.1	433.1	740.3	716.3	483.7	
冷凝器水压降(kPa) Condenser Water Pressure drop	81			84			88			94			
蒸发器Evaporator	壳管式Shell-and-Tube Type												
水侧最高承压(MPa) Water Side max Pressure	1												
蒸发器进出口管径 Dia.of pipe to Evaporator(inch)	8"			8"			10"			10"			
冻水流量(m ³ /h) Chilled Water Flow	425.2	410.6	293.3	485.4	452.7	322.8	544.6	532.9	372.7	631.6	606.6	416.9	
蒸发器水压降(kPa) Evaporator Water Pressure drop	73			73			77			84			
运转噪声dB(A) Running noise	75			75			75			75			
整机重量(kg)Total Weight	4770			4930			5210			5530			
运行重量(kg)Running Weight	5720			5920			6250			6640			

Note:

1. Rated Cooling Capacity Base: Chiller Water in/outlet17°C/12°C, Cooling Water in/outlet30°C/35°C; fouling factor:0.088m²·°C/kW ;
2. Chilled Water Range: 5°C ~ 20°C; R134a: 5°C ~ 25°C ;
3. Cooling Water Range: 20°C ~ 40°C ; R134a: 20°C ~ 45°C ;
4. Changes of specification for improvement may be made without notice.

Air-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model		100ASI			140ASI			180ASI			200ASI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	80	79.1	53.3	110.1	105.8	73.9	145.3	136.7	98	155.7	153.9	104.9
	kW	93	92	62	128	123	86	169	159	114	181	179	122
	USRT	26.4	26.2	17.6	36.4	35	24.4	48	45.2	32.4	51.5	50.9	34.7
压缩机输入功率(kW×台数) Comp.Input Power×QTY		26.9x1	26.8x1	17.2x1	35.5x1	35.2x1	22.5x1	44.7x1	43.5x1	28x1	49.1x1	49.1x1	31.7x1
电源Power Supply		3Φ-380V-50Hz											
保护装置Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		1											
能量控制(%)Capacity Control		无级容调Stepless Capacity Control或0, 33, 66, 100									无级容调Stepless Capacity Control或0, 25, 50, 75, 100		
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		15	15	10	21	20	14	28	26	19	30	29	20
空气侧换热器 Air Cooled Heat Exchanger		铜管穿波纹铝翅片Ripple Aluminum Fins Around Copper Pipe											
蒸发器 Evaporator	进出口管径 in Dia. of pipe to Evaporator (inch)	2-1/2"			2-1/2"			3"			3"		
	水侧最高承压(MPa) Water Side max Pressure	1											
	冻水流量(m ³ /h) Chilled Water Flow	16	15.8	10.7	22	21.2	14.8	29.1	27.3	19.6	31.1	30.8	21
	水压降(kPa) Water pressure drop	28			33			48			55		
轴流风机 Axial Fan	空气流量×1000(m ³ /h) Air Flow ×1000(m ³ /h)	40			55			72			77		
	功率(kw×台数) Power×QTY	0.78×4			1.32×4			1.32×4			1.4×4		
运转噪音dB(A) Running noise		68			68			68			68		
整机重量(kg) Total Weight		1100			1160			1550			1730		
运行重量(kg) Running Weight		1200			1270			1700			1920		

Note:
1. Rated Cooling Capacity Base on: DB Temperature 35°C/WB Temperature 24°C, Chilled Water in/outlet 17°C/12°C, fouling factor: 0.088m²·°C/kW
2. Chilled water range: 5°C ~ 15°C; R134a: 5°C ~ 20°C;
3. Ambient temperature range: 15°C ~ 43°C; R134a: 20°C ~ 50°C;
4. Changes of specification for improvement may be made without notice.

Air-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model		230ASI			260ASI			300ASI			310ASI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	194.4	186.6	136.7	208.1	203.8	141	246	241.7	166	259.7	255.4	176.3
	kW	226	217	159	242	237	164	286	281	193	302	297	205
	USRT	64.3	61.7	45.2	68.8	67.4	46.6	81.3	79.9	54.9	85.9	84.4	58.3
压缩机输入功率(kW×台数) Comp.Input Power×QTY		58.9x1	59.4x1	40.7x1	64.3x1	65.2x1	41.7x1	72.9x1	72.6x1	47.7x1	77.6x1	76.4x1	50.8x1
电源Power Supply		3Φ-380V-50Hz											
保护装置Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		1											
能量控制(%)Capacity Control		无级容调Stepless Capacity Control或0, 25, 50, 75, 100											
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		37	36	26	40	39	27	47	46	32	50	49	34
空气侧换热器 Air Cooled Heat Exchanger		铜管穿波纹铝翅片Ripple Aluminum Fins Around Copper Pipe											
蒸发器 Evaporator	进出口管径 in Dia. of pipe to Evaporator (inch)	3"			3"			4"			4"		
	水侧最高承压(MPa) Water Side max Pressure	1											
	冻水流量(m ³ /h) Chilled Water Flow	38.9	37.3	27.3	41.6	40.8	28.2	49.2	48.3	33.2	51.9	51.1	35.3
	水压降(kPa) Water pressure drop	48			48			55			55		
轴流风机 Axial Fan	空气流量×1000(m ³ /h) Air Flow ×1000(m ³ /h)	95			102			120			127		
	功率(kw×台数) Power×QTY	1.32×6			1.32×6			1.4×6			1.4×6		
运转噪音dB(A) Running noise		68			68			68			68		
整机重量(kg) Total Weight		2130			2540			2670			2750		
运行重量(kg) Running Weight		2340			2750			2890			2980		

Note:
1. Rated Cooling Capacity Base on: DB Temperature 35°C/WB Temperature 24°C, Chilled Water in/outlet 17°C/12°C, fouling factor: 0.088m²·°C/kW
2. Chilled water range: 5°C ~ 15°C; R134a: 5°C ~ 20°C;
3. Ambient temperature range: 15°C ~ 43°C; R134a: 20°C ~ 50°C;
4. Changes of specification for improvement may be made without notice.

Air-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model		340ASI			370ASI			410ASI			470ASI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	289.8	279.5	192.6	312.2	305.3	213.3	338.8	329.4	232.2	411.9	390.4	264.9
	kW	337	325	224	363	355	248	394	383	270	479	454	308
	USRT	95.8	92.4	63.7	103.2	100.9	70.5	112	108.9	76.8	136.2	129.1	87.6
压缩机输入功率(kW×台数) Comp.Input Power×QTY		84.6×1	84.7×1	54.8×1	91.8×1	92.6×1	59.2×1	101.2×1	101.5×1	66.2×1	121.1×1	117.6×1	74.7×1
电源Power Supply		3Φ-380V-50Hz											
保护装置Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		1											
能量控制(%)Capacity Control		无级容调Stepless Capacity Control或0, 25, 50, 75, 100											
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		56	54	37	60	59	41	65	63	45	79	75	51
空气侧换热器 Air Cooled Heat Exchanger		铜管穿波纹铝翅片Ripple Aluminum Fins Around Copper Pipe											
蒸发器 Evaporator	进出口管径 in Dia.of pipe to Evaporator (inch)	4"			4"			4"			5"		
	水侧最高承压(MPa) Water Side max Pressure	1											
	冻水流量(m ³ /h) Chilled Water Flow	58	56	38.5	62.4	61.1	42.7	67.8	65.9	46.4	82.4	78.1	53
	水压降(kPa) Water pressure drop	68			61			64			66		
轴流风机 Axial Fan	空气流量×1000(m ³ /h) Air Flow ×1000(m ³ /h)	141			152			165			200		
	功率(kw×台数) Power×QTY	1.32×8			1.4×8			1.4×8			1.6×8		
运转噪音dB(A) Running noise		72			72			72			72		
整机重量(kg) Total Weight		2670			2750			2930			3160		
运行重量(kg) Running Weight		2900			3020			3240			3450		

Note:
 1. Rated Cooling Capacity Base on: DB Temperature 35°C/WB Temperature 24°C, Chilled Water in/outlet 17°C/12°C, fouling factor: 0.088m²·°C/kW
 2. Chilled water range: 5°C ~ 15°C ; R134a : 5°C ~ 20°C ;
 3. Ambient temperature range: 15°C ~ 43°C ; R134a: 20°C ~ 50°C ;
 4. Changes of specification for improvement may be made without notice.

Air-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model		200ADI			280ADI			360ADI			400ADI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	159.9	159.1	106.6	221	211.6	148.8	290.7	273.5	196.1	311.3	307	210.7
	kW	186	185	124	257	246	173	338	318	228	362	357	245
	USRT	52.9	52.6	35.3	73.1	70	49.2	96.1	90.4	64.8	102.9	101.5	69.7
压缩机输入功率(kW×台数) Comp.Input Power×QTY		26.8×2	26.8×2	17.2×2	35.5×2	35.2×2	22.5×2	44.7×2	43.5×2	28×2	49.1×2	49.1×2	31.7×2
电源Power Supply		3Φ-380V-50Hz											
保护装置Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		2											
能量控制(%)Capacity Control		无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100											
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		31	30	20	42	41	28	56	53	38	60	59	40
空气侧换热器 Air Cooled Heat Exchanger		铜管穿波纹铝翅片Ripple Aluminum Fins Around Copper Pipe											
蒸发器 Evaporator	进出口管径 in Dia.of pipe to Evaporator (inch)	3"			3"			3"			4"		
	水侧最高承压(MPa) Water Side max Pressure	1											
	冻水流量(m ³ /h) Chilled Water Flow	32	31.8	21.3	44.2	42.3	29.8	58.1	54.7	39.2	62.3	61.4	42.1
	水压降(kPa) Water pressure drop	55			55			58			65		
轴流风机 Axial Fan	空气流量×1000(m ³ /h) Air Flow ×1000(m ³ /h)	80			110			144			154		
	功率(kw×台数) Power×QTY	1.4×4			1.32×6			1.4×6			1.4×8		
运转噪音dB(A) Running noise		72			72			72			72		
整机重量(kg) Total Weight		1800			2550			2770			3180		
运行重量(kg) Running Weight		2000			2780			3000			3490		

Note:
 1. Rated Cooling Capacity Base on: DB Temperature 35°C/WB Temperature 24°C, Chilled Water in/outlet 17°C/12°C, fouling factor: 0.088m²·°C/kW
 2. Chilled water range: 5°C ~ 15°C ; R134a : 5°C ~ 20°C ;
 3. Ambient temperature range: 15°C ~ 43°C ; R134a: 20°C ~ 50°C ;
 4. Changes of specification for improvement may be made without notice.

Air-cooled Screw Industrial Chillers

Technical Parameters

型号LJR~Model		460ADI			520ADI			600ADI			620ADI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	387.9	374.1	273.5	417.1	408.5	281.2	491.9	483.3	331.9	520.3	510.8	353.5
	kW	451	435	318	485	475	327	572	562	386	605	594	411
	USRT	128.3	123.7	90.4	137.9	135.1	93	162.7	159.8	109.8	172.1	168.9	116.9
压缩机输入功率(kW×台数) Comp.Input Power×QTY		58.9x2	59.4x2	40.7x2	64.3x2	65.2x2	41.7x2	72.9x2	72.6x2	47.7x2	77.6x2	76.4x2	50.8x2
电源Power Supply		3Φ-380V-50Hz											
保护装置Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		2											
能量控制(%)Capacity Control		无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100											
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		75	72	53	80	79	54	95	93	64	100	99	68
空气侧换热器 Air Cooled Heat Exchanger		铜管穿波纹铝翅片Ripple Aluminum Fins Around Copper Pipe											
蒸发器 Evaporator	进出口管径 in Dia.of pipe to Evaporator (inch)	4"			3"×2			3"×2			3"×2		
	水侧最高承压(MPa) Water Side max Pressure	1											
	冻水流量(m ³ /h) Chilled Water Flow	77.6	74.8	54.7	83.4	81.7	56.2	98.4	96.7	66.4	104.1	102.2	70.7
	水压降(kPa) Water pressure drop	66			52			54			54		
轴流风机 Axial Fan	空气流量×1000(m ³ /h) Air Flow ×1000(m ³ /h)	190			204			240			254		
	功率(kw×台数) Power×QTY	1.32×12			1.32×12			1.4×12			1.4×12		
运转噪音dB(A) Running noise		72			72			72			72		
整机重量(kg) Total Weight		4250			4430			4550			5440		
运行重量(kg) Running Weight		4380			4750			4970			5880		

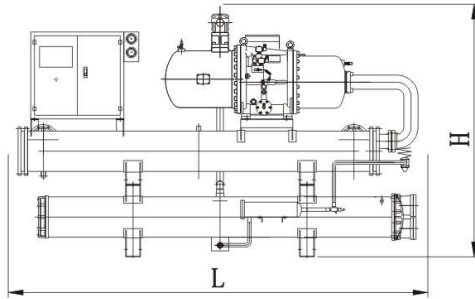
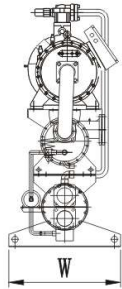
Note:
 1. Rated Cooling Capacity Base on: DB Temperature 35°C/WB Temperature 24°C, Chilled Water in/outlet 17°C/12°C, fouling factor: 0.088m⁻¹. °C/kW
 2. Chilled water range: 5°C ~ 15°C ; R134a : 5°C ~ 20°C ;
 3. Ambient temperature range: 15°C ~ 43°C ; R134a: 20°C ~ 50°C ;
 4. Changes of specification for improvement may be made without notice.

Air-cooled Screw Industrial Chillers

Technical Parameters

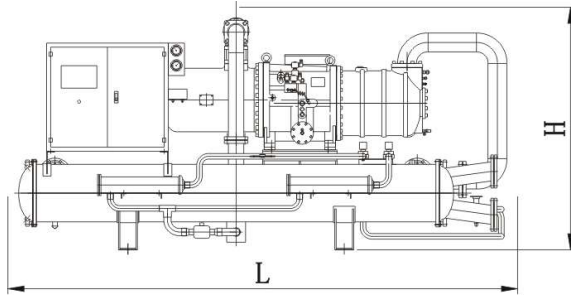
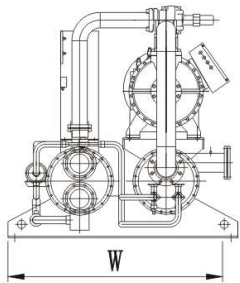
型号LJR~Model		680ADI			740ADI			820ADI			940ADI		
制冷剂Refrigerant		R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a	R22	R407C	R134a
名义制冷量 Rated Cooling Capacity	×1000kcal/h	578.8	559	384.4	623.5	610.6	426.6	678.5	659.6	465.3	823.9	780	529.8
	kW	673	650	447	725	710	496	789	767	541	958	907	616
	USRT	191.4	184.8	127.1	206.2	201.9	141	224.4	218	153.8	272.4	257.9	175.2
压缩机输入功率(kW×台数) Comp.Input Power×QTY		84.6x2	84.7x2	54.8x2	91.8x2	92.6x2	59.2x2	101.2x2	101.5x2	66.2x2	121.1x2	117.6x2	74.7x2
电源Power Supply		3Φ-380V-50Hz											
保护装置Protection Device		逆相保护、缺相保护、过流保护、高低压保护、低温保护、水流保护 Reverse phase protection, phase protection, overcurrent protection, high and low voltage protection, low temperature protection, water flow protection											
制冷回路 Number Of Refrigeration Circuit		2											
能量控制(%)Capacity Control		无级容调Stepless Capacity Control或0, 25, 37.5, 50, 62.5, 75, 87.5, 100											
控制模式 Control mode		单片机控制Chip microcomputer Control、PLC控制PLC Control											
制冷剂充注量(kg) Refrigerant charge		140	132	91	150	145	101	163	156	110	198	185	125
空气侧换热器 Air Cooled Heat Exchanger		铜管穿波纹铝翅片Ripple Aluminum Fins Around Copper Pipe											
蒸发器 Evaporator	进出口管径 in Dia.of pipe to Evaporator (inch)	4"×2			4"×2			4"×2			4"×2		
	水侧最高承压(MPa) Water Side max Pressure	1											
	冻水流量(m ³ /h) Chilled Water Flow	115.8	111.8	76.9	124.7	122.1	85.3	135.7	131.9	93.1	164.8	156	106
	水压降(kPa) Water pressure drop	54			55			55			65		
轴流风机 Axial Fan	空气流量×1000(m ³ /h) Air Flow ×1000(m ³ /h)	282			304			330			400		
	功率(kw×台数) Power×QTY	1.32×16			1.4×16			1.4×16			1.6×16		
运转噪音dB(A) Running noise		75			75			75			75		
整机重量(kg) Total Weight		5520			5620			5980			6440		
运行重量(kg) Running Weight		6030			6160			6600			7020		

Note:
 1. Rated Cooling Capacity Base on: DB Temperature 35°C/WB Temperature 24°C, Chilled Water in/outlet 17°C/12°C, fouling factor: 0.088m⁻¹. °C/kW
 2. Chilled water range: 5°C ~ 15°C ; R134a : 5°C ~ 20°C ;
 3. Ambient temperature range: 15°C ~ 43°C ; R134a: 20°C ~ 50°C ;
 4. Changes of specification for improvement may be made without notice.



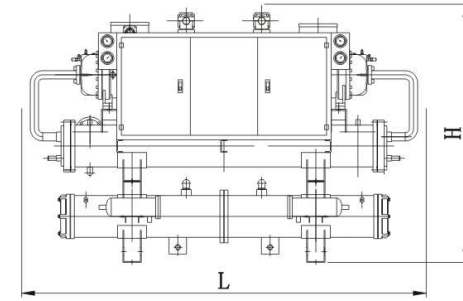
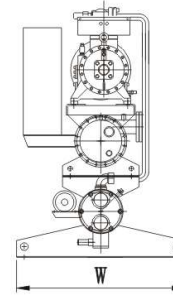
型号	L	W	H
LJ-100WSI	2100	800	1500
LJ-140WSI	2100	800	1500
LJ-180WSI	2100	800	1600
LJ-200WSI	2400	900	1650
LJ-230WSI	2400	900	1700
LJ-260WSI	2400	900	1700

型号	L	W	H
LJ-300WSI	2900	900	1900
LJ-310WSI	2900	900	1900
LJ-340WSI	2900	900	1950
LJ-370WSI	2900	900	1950
LJ-410WSI	2900	900	2000

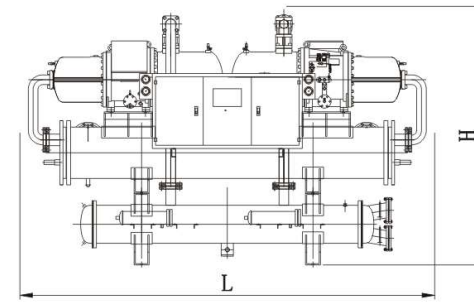
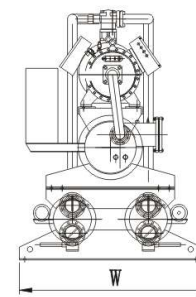


型号	L	W	H
LJ-470WSI	3300	1500	1450
LJ-510WSI	3300	1500	1500
LJ-550WSI	3300	1500	1550
LJ-580WSI	3300	1500	1600
LJ-620WSI	3300	1500	1650
LJ-710WSI	3650	1700	1700
LJ-790WSI	3650	1700	1750

型号	L	W	H
LJ-830WSI	3650	1700	1750
LJ-930WSI	3650	1700	1750
LJ-1020WSI	4150	1700	1800
LJ-1130WSI	4150	1700	1800
LJ-1270WSI	4150	1900	1850
LJ-1530WSI	4150	1900	1850

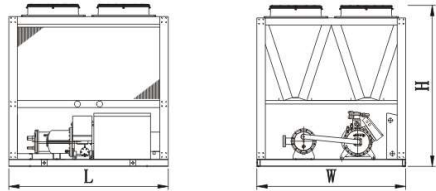


型号	L	W	H
LJR-200WDI	2600	1100	1700
LJR-280WDI	2600	1100	1750
LJR-360WDI	3000	1100	1950
LJR-400WDI	3000	1100	1950

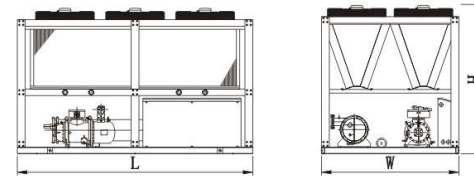


型号	L	W	H
LJR-460WDI	3000	1500	1950
LJR-520WDI	3000	1500	2000
LJR-600WDI	3000	1500	2050
LJR-620WDI	3000	1500	2100
LJR-680WDI	3000	1500	2150
LJR-740WDI	3500	1500	2200
LJR-820WDI	3500	1500	2250
LJR-940WDI	3500	1500	2300
LJR-1020WDI	3500	1500	2350
LJR-1100WDI	3800	1700	2350

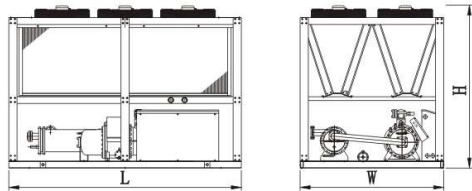
型号	L	W	H
LJR-1160WDI	3800	1700	2350
LJR-1240WDI	3800	1700	2350
LJR-1420WDI	4200	1700	2450
LJR-1580WDI	4800	1700	2450
LJR-1660WDI	4800	1700	2550
LJR-1860WDI	4900	1900	2550
LJR-2040WDI	5200	1900	2650
LJR-2260WDI	5200	1900	2650
LJR-2540WDI	5300	1900	2650
LJR-3060WDI	5300	1900	2750



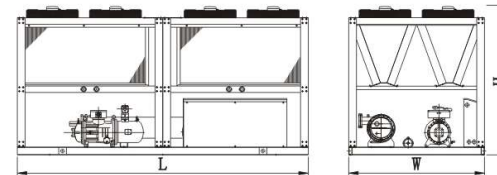
型号	L	W	H
LJR-100ASI~200ASI	2250	2100	2400



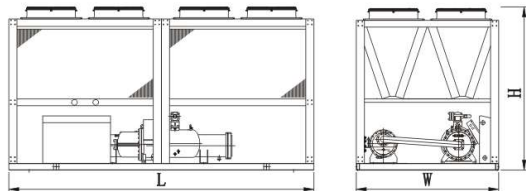
型号	L	W	H
LJR-280ADI	3400	2100	2400



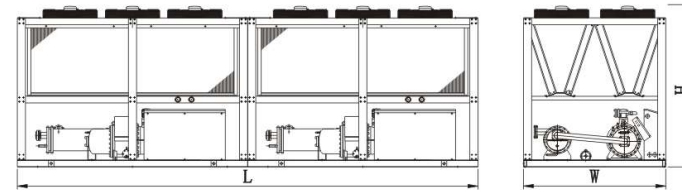
型号	L	W	H
LJR-230ASI~310ASI	3400	2100	2400



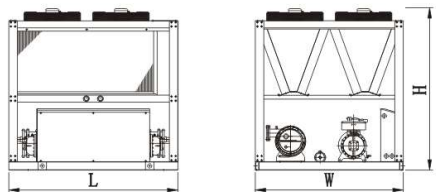
型号	L	W	H
LJR-360ADI~400ADI	4500	2100	2400



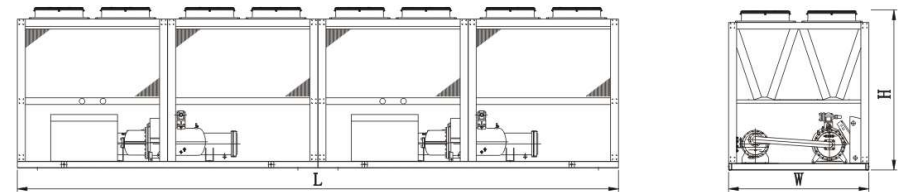
型号	L	W	H
LJR-340ASI~410ASI	4500	2100	2400
LJR-470ASI	4800	2150	2400



型号	L	W	H
LJR-460ADI~620ADI	6800	2100	2400



型号	L	W	H
LJR-200ADI	2400	2100	2400



型号	L	W	H
LJR-680ADI~82ADI	9000	2100	2400
LJR-940ADI	9000	2150	2400

INSTALLATION AND MAINTENANCE OF INDUSTRIAL CHILLERS

为减少故障，确保机组良好运行及使用寿命，应严格按以下要求进行安装与维护

- 一、安装机组时，水冷式冷水机组必须接驳冷却塔及其它管道系统，风冷式冷水机组只须连接供水管路及冻水管道，接通电源后即可操作。
- 二、用户在连接水管时，请按厂家安装使用说明书所示确认出、入水管位置，区分冷却水与冷冻水管口，错接管道将导致机组受损。
- 三、机组预留的水管接口管径均为标准尺寸，采用远程输送时，须用较大口径的水管进行连接，任何情况下水管口径不能小于接驳口标准管径，否则将导致压力报警，并对压缩机、水泵造成较大损坏。
- 四、机组安装时请在冻水管道装置中加装旁通阀，当冻水流量减少时，可利用调节旁通阀达到舒缓水泵压力及防止蒸发结冰。
- 五、大型的风冷式机组设备最好安装于室外空间，一方面可以减少占地面积，另一方面便于消除机组排放的热量。
- 六、请按正确方式对水冷式冷水机组与冷却塔进行连接，只有确保整个系统连接正常后，方可开机运行。
- 七、风冷式冷水机组开机运行时，请注意水泵或排风扇转向是否正常，逆转将导致机组受损。
- 八、机组运行时请注意压力表显示内容，水冷式冷水机高压为 $15 \pm 1 \text{ kgf/cm}^2$ ，低压为 $5 \pm 1 \text{ kgf/cm}^2$ ；风冷式冷水机高压为 $18 \pm 1 \text{ kgf/cm}^2$ ，低压为 $5 \pm 1 \text{ kgf/cm}^2$ 时为正常状况，数值显示过高或过低表示故障的先兆或使用不当，请及时进行检查或通知厂家处理。事前的维护胜于事后修理。
- 九、冷水机组之冷凝器与蒸发器通常在使用一段时间后需进行清洗（时间视周围环境及水质而定），如需厂家协助清洗，请与各大经销商或本厂维修部联系。
- 十、机组的出水温度控制在 $8 \sim 15^\circ\text{C}$ 为佳，调节温控器时请注意：过度低温导致机组部分保护装置失效。
- 十一、机组所有电控元件及保护装置已经过厂家严格检测，用户在检查及维修时请勿自行更改或拆除，在无保护状况下的强制运行将对机组造成较大损伤。
- 十二、一般情况下，产品保修期为一年（限中国大陆及香港地区），还可提供保修期后的保养、维修服务（收取成本费），详情可与我厂营业部或维修部联系。

警告：冷水机组属高电压、专业性强的机械设备，应由专业技术人员进行正确的使用及维护，非专业人员请勿随意进行操作及检修，以免发生危险。

PLASTIC INSULATION SAFETY FLOW DESCRIPTION

截面 (mm ²)	明线 装置		钢管布线						塑料布线						护套线			软线				
			二根		三根		四根		二根		三根		四根		二芯	三芯四芯						
	铜	铝	铜	铝	铜	铝	铜	铝	铜	铝	铜	铝	铜	铝	铜	铝	铜	铝	单 芯	双 芯		
0.5																	7		4	8	8	7
0.75																					13	10.5
0.8																	11		9	14	14	11
1	17		12		11		10		10		10		9		13		13		9.6	19	17	13
1.5	21	16	17	13	15	11	14	10	14	11	13	10	11	9	17		17		10	22	21	17
2															19		19		13	35	25	18
2.5	28	22	23	17	21	16	19	13	21	16	18	14	17	12	23		17		17		29	21
4	37	28	30	23	27	21	24	19	27	21	24	19	22	17	30		23		23			
6	48	37	41	30	36	28	32	24	36	27	31	23	28	22	37		29		28			
10	65	51	56	42	49	38	43	33	49	36	42	33	38	29	57		44		45			
16	91	69	71	55	64	49	56	43	62	48	56	42	49	38								
25	120	91	93	70	82	61	74	57	82	63	74	56	65	50								
35	147	113	115	87	100	78	91	70	104	78	91	69	81	61								
50	187	143	143	108	127	96	113	87	130	99	114	88	102	78								
70	230	178	177	135	159	124	143	110	160	126	145	113	128	100								
95	282	216	216	165	195	148	173	132	199	151	178	137	160	121								
120	324	246	250	190	224	168	198	148	233	173	207	155	185	138								
150	371	281	285	216	259	194	229	173	263	198	237	179	216	160								
185	423	328	328	246	294	220	259	198	307	229	268	203	242	183								