精创制冷
工业制冷专家

特点

1、干式冷水机组有着极高可靠性、稳定性及可维护性。采用压差供油方式，省去繁杂的油路系统，使整体结构简单，维护保养更为便利，运行更为可靠。

2、高效节能蒸发器和冷凝器均采用高效换热管，再加上独特管束布管设计，充分考虑制冷条件下制冷剂状态变化及流速、压降大小等条件，保证盘管足够过冷，以增加机组制冷能力，降低输入功率。机组能根据负载状况进行能力调节，使运行容量与实际负载相匹配，以提高压缩机工作效率，降低能量消耗，延长机组的使用寿命。

3、调试简便，结构简单机组出厂之前已经过全面试运转检验，确保机组实地运行的可靠性；场安装只需连接电源及水源后即可投入运行，安装调试非常简便；机组结构简单，操作方便，再加上机组配置的自动保护及调节装置，非常便于管理。

The characteristics of

1. The dry water chiller has extremely high reliability, stability and maintainability.Adopt oil supply mode of pressure difference, eliminate complicated oil system and make the whole systemSimple structure, more convenient maintenance, more reliable operation.

2. High-efficiency and energy-saving evaporator and condenser both adopt high-efficiency heat exchange tube, and then addUnique tube bundle and tube layout design, fully considering the refrigerant under refrigeration conditionsState change and flow rate, pressure drop size and other conditions to ensure adequate coilSuper cooling, in order to increase the cooling capacity of the unit, reduce the input power. The unitIt can adjust the capacity according to the load condition to make the running capacity and actual situationLoad matching, to improve the working efficiency of the compressor, reduce energy dissipationConsumption, prolong the service life of the unit.

3. Simple commissioning and simple structureTransfer inspection to ensure the reliability of unit field operation; Field installation onlyAfter connecting the power supply and water source, it can be put into operation. Installation and debugging is very simpleThen; Unit structure is simple, easy to operate, plus the unit configurationAutomatic protection and adjustment device, very easy to manage.

干式螺杆冷水机组

壳管干式螺杆冷水机
Shell and tube dry screw chiller

技术参数
TechinicalParameters

		JCKxxWG-L系列壳管干式螺杆冷水机													
型号		JCK130WG-L	JCK150WG-L	JCK180WG-L	JCK240WG-L	JCK290WG-L	JCK330WG-L	JCK400WG-L	JCK470WG-L	JCK500WG-L	JCK540WG-L	JCK590WG-L	JCK710WG-L	JCK780WG-L	JCK830WG-L
制冷量	KW	123.8	145.6	173.9	234.3	284.6	329	392.1	466.5	492.6	539.3	584	706.4	775.7	828.3
	Kcal/h×10'	11.12	12.86	15.41	20.66	24.48	28.9	33.72	40.12	42.36	46.38	50.22	60.75	66.71	71.23
能效比COP		4.45	4.45	4.45	4.47	4.55	4.55	4.47	4.58	4.58	4.63	4.65	4.73	4.69	4.71
输入电源		3PH-380V/50HZ													
压缩机	形式	半封闭螺杆压缩机													
	数量	1台 Set													
	输入功率	27.7	32.7	39.1	52.4	62.5	72.3	87.8	101.9	107.6	116.6	125.5	149.2	165.5	175.8
	额定负载电流（A）	41.7	53.5	65.4	92.8	105.0	121.6	147.6	171.4	180.9	196.0	211	250.9	278.3	195.6
配线规格（mm²）		16	25	25	35	50	50	70	70	95	95	95	120	120	150
卸载方式（%）		0-100%													
冷媒		R22													
冷凝器	形式	高效螺纹管壳管式													
	冷却水流量	31.5	37.8	45.6	62	74.1	82.6	98.7	116.9	123.5	134.9	146.0	176.0	193.6	206.6
	水阻力	55	55	60	60	68.0	69.0	68.0	73.0	71.0	73.0	71.0	73.0	73.0	72.0
	冷却水温度	进水30℃，出水35℃													
蒸发器	形式	U型壳管式													
	冷冻液流量	37.7	47.3	57.1	77.5	48.8	56.4	67.2	80.0	84.4	92.5	100.1	121.1	133.0	142.0
	水阻力	60	60	63	63	70.0	73.0	73.0	73.0	73.0	73.0	55.0	50.0	51.0	53.0
	冷冻液出入温度	冷冻液进12℃，冷冻液出7℃													
节流方式		外平衡膨胀阀													
安全保护		水泵连锁保护、漏电保护、过载保护、超压、逆相保护、冷媒异常保护，压缩机超温保护，超高压安全阀保护，油压保护，缺水保护等													
管道连接	冷却水出入口	Dn80	Dn80	Dn100	Dn100	Dn100	Dn125	Dn125	Dn125	Dn125	Dn125	Dn125	Dn150	Dn150	Dn200
	冷冻液出入口	Dn80	Dn80	Dn100	Dn100	Dn100	Dn100	Dn125	Dn125	Dn125	Dn125	Dn125	Dn150	Dn150	Dn200
重量		1050	1750	1750	1730	2032	2305	2663	3132	3451	3545	3934	4206	5111	5492
外形尺寸		2400	2400	2400	2700	2700	2800	3400	3400	3400	3400	3400	3600	3600	3600
		1000	1000	1100	1250	1000	1000	1250	1250	1250	1400	1400	1400	1400	1400
		1800	1800	1800	1800	1900	1950	2000	2000	2000	2100	2100	2200	2200	2200

1、热回收器出水温度为40℃-55℃。
2、噪声检测是距主机正前方1m，高1.5m，前后左右4点平均值，环境噪音低于30dB。

1, the heat collector, water temperature of 40 ℃ to 55 ℃.
2. The noise detection is 1m from the front of the main engine, 1.5m high, the average value at around 4 points before and after, and the ambient noise is lower than 30dB.

变工况表
A variable table

技术参数	壳管干式螺杆冷水机								
出水温度	15			12			10		
型号	制冷量	功率	能效比	制冷量	功率	能效比	制冷量	功率	能效比
JCK290WG-L	361.4	66.3	5.45	338.67	65.27	5.19	315.91	64.38	4.91
JCK330WG-L	417.8	76.7	5.45	391.51	75.50	5.19	365.19	74.47	4.90
JCK400WG-L	496.7	93.2	5.33	465.41	91.69	5.08	434.12	90.43	4.80
JCK470WG-L	592.5	108.1	5.48	555.14	106.41	5.22	517.82	104.96	4.93
JCK500WG-L	625.6	114.2	5.48	586.19	121.37	5.22	546.79	110.83	4.93
JCK540WG-L	684.9	123.7	5.54	641.77	121.77	5.27	598.62	120.10	4.98
JCK590WG-L	741.7	133.2	5.57	694.96	131.06	5.30	648.24	129.27	5.01
JCK710WG-L	897.1	158.3	5.67	840.62	155.81	5.40	784.10	153.68	5.01
JCK780WG-L	985.1	175.6	5.61	923.08	172.83	5.34	861.03	170.47	5.05
JCK830WG-L	1051.9	186.5	5.64	985.68	183.59	5.37	919.41	181.07	5.08
JCK940WG-L	1185.5	209.8	5.65	1110.87	206.46	5.38	1036.19	203.63	5.09
JCK1080WG-L	1369.8	247.4	5.54	1283.53	243.53	5.27	1197.25	240.20	4.98
JCK1170WG-L	1483.4	266.3	5.57	1389.92	262.12	5.30	1296.48	258.53	5.01
JCK1410WG-L	1794.3	316.6	5.67	1681.23	311.62	5.40	1568.21	307.35	5.10
JCK1550WG-L	1970.3	351.2	5.61	1846.17	345.66	5.34	1722.05	340.93	5.05
JCK1600WG-L	2103.9	373.0	5.64	1971.35	367.18	5.37	1838.83	362.15	5.08
JCK1870WG-L	2371.1	419.5	5.65	2221.73	412.92	5.38	2072.37	407.26	5.09

出水温度	7			5			0		
JCK290WG-L	284.6	62.5	4.55	264.68	61.25	4.32	219.14	58.75	3.73
JCK330WG-L	329	72.3	4.55	305.97	70.85	4.62	253.33	57.96	3.73
JCK400WG-L	391.1	87.8	4.45	363.72	86.04	4.23	301.15	82.53	3.65
JCK470WG-L	466.5	101.9	4.58	433.85	99.86	4.34	359.21	95.79	3.75
JCK500WG-L	492.6	107.6	4.58	458.12	105.45	4.34	379.30	101.14	3.75
JCK540WG-L	539.3	116.6	4.63	501.55	114.27	4.39	415.26	109.60	3.79
JCK590WG-L	584	125.5	4.65	543.12	122.99	4.42	449.68	117.97	3.81
JCK710WG-L	706.4	149.2	4.73	656.95	146.22	4.49	543.93	140.25	3.88
JCK780WG-L	775.7	165.5	4.69	721.40	162.19	4.45	597.29	155.57	3.84
JCK830WG-L	828.3	175.8	4.71	770.32	172.28	4.47	637.79	165.25	3.86
JCK940WG-L	933.5	197.7	4.72	868.16	193.75	4.48	718.80	185.84	3.87
JCK1080WG-L	1078.6	233.2	4.63	1003.10	228.54	4.39	830.52	219.21	3.79
JCK1170WG-L	1168.0	251.0	4.65	1086.24	245.98	4.42	899.36	235.94	3.81
JCK1410WG-L	1412.8	298.4	4.73	1313.90	292.43	4.49	1087.86	280.50	3.88
JCK1550WG-L	1551.4	331.0	4.69	1442.80	324.38	4.45	1194.58	311.14	3.84
JCK1600WG-L	1656.6	351.6	4.71	1540.64	344.57	4.47	1275.58	330.50	3.86
JCK1870WG-L	1867.0	395.4	7.72	1736.31	387.49	4.48	1437.59	371.68	3.87

出水温度	-5		
型号	制冷量	功率	能效比
JCK180WGZ-L	180.40	56.30	3.20
JCK210WGZ-L	208.60	65.20	3.20
JCK250WGZ-L	248.60	79.10	3.14
JCK300WGZ-L	295.80	91.90	3.22
JCK310WGZ-L	312.40	97.00	3.22
JCK340WGZ-L	342.00	105.10	3.25
JCK370WGZ-L	370.40	113.10	3.27
JCK440WGZ-L	447.90	134.50	3.33
JCK480WGZ-L	494.90	149.20	3.30

出水温度	-5		
型号	制冷量	功率	能效比
JCK520WGZ-L	525.20	158.40	3.32
JCK580WGZ-L	592.00	178.20	3.32
JCK710WGZ-L	684.00	210.20	3.25
JCK730WGZ-L	740.80	226.20	3.27
JCK870WGZ-L	895.80	269.00	3.33
JCK960WGZ-L	983.80	298.40	3.30
JCK1050WGZ-L	1050.40	316.80	3.32
JCK1160WGZ-L	1184.00	356.40	3.32