

HENGLIANG
REFRIGERATION TECHNOLOGY



厦门恒良制冷科技有限公司

XIAMEN HENGLIANG REFRIGERATION TECHNOLOGY CO.,LTD.

Add:厦门市集美区杏林杏前路128号之6

Tel:0592-5689733 Fax:0592-5792748

E-mail:henglianglengqi@163.com

Http://www.xhllq.cn

企鹅都要盖被子

厦门恒良制冷科技有限公司创立于2002年。公司成立之初，就确定以“专业专注，诚信服务’科技促发展的经营管理理念。致力于制冷产品的研发和创新。是一家集科研，生产，设计，销售，安装，维修，保养为一体的综合性制冷设备企业。

本公司主要从事冷库，工业冷水机，冷冻干燥机，恒温恒湿机及各种非标制冷设备生产安装销售维修等服务。公司门市部销售制冷配件经营：各种系列制冷剂，冷冻机组，铜管，冷凝器，蒸发器，制冷工具及各种型号压缩机销售。冷冻设备工程主要经营，箱式及敞开式冷水机，化工电镀专用冷水机，超低温冷冻机，食品冷冻冷藏库，速冻库，医疗库及各种冷库。我们为客户提供优质的产品 & 诚信的服务。

- 经营哲学：以市场需求为导向。
- 经营理念：以为客户创造价值为己任。
- 品质政策：以新品质量为根本。
- 恒良精神：诚信，自信，敬业，专业。
- 恒良宗旨：与时俱进，开拓创新，节能环保，全心服务。

Xiamen Hengliang Refrigeration Technology Co., Ltd. was founded in 2002. At the beginning of the company’s establishment, we have determined the management philosophy of “professional focus, honest service” and technology to promote development. We are committed to research and development and innovation of refrigeration products. It is a collection of scientific research, production, design, sales, installation, maintenance and maintenance. An integrated refrigeration equipment company.

The company is mainly engaged in cold storage, industrial chiller, freeze dryer, constant temperature and humidity machine and various non-standard refrigeration equipment production, installation, sales and maintenance services. The company’s sales department sells refrigeration accessories: various series of refrigerants, refrigeration units, copper tubes, condensers, evaporators, refrigeration tools and various types of compressors. The main equipment of refrigeration equipment engineering, box type and open type chiller, special chiller for chemical plating, ultra-low temperature freezer, food freezing and freezing warehouse, quick freezing library, medical library and various cold storage. We provide our customers with quality products and honest service. Business philosophy: guided by market demand. Business philosophy: to create value for customers is their responsibility. Quality policy: based on the quality of new products. Hengliang spirit: integrity, self-confidence, dedication, professionalism. Hengliang’s tenet: Advance with the times, pioneering and innovative, energy saving and environmental protection, and wholehearted service.

公司荣誉 Company Honours



领航未来 行业先锋
Industry pioneer leads future.

目录 CONTENTS

01	公司简介
03	目录
04	谷轮涡旋低温压缩冷凝机组
07	互联网智能一体箱式冷凝机组
08	箱式侧出风涡旋冷凝机组
09	箱式顶出风冷凝机组
13	半封闭风冷冷凝机组
14	半封闭水冷冷凝机组
22	螺杆SRC系列压缩冷凝机组
25	箱式风冷冷水机组
27	箱式水冷冷水机组
29	敞开式式水冷冷水机组
31	低温工业冷水机组(风冷、水冷)
33	螺杆式风冷冷水机机组
35	螺杆式水冷冷水机机组

谷轮涡旋低温压缩冷凝机组
Copeland scroll compressor condensing unit

产品介绍 Product introduction

谷轮ZSI涡旋压缩机，专门针对商业冷冻应用而设计，宽范围运行：低温至中温应用，覆盖-30℃至0℃蒸发温度。CoreSense控制喷液技术，提升低温条件下运行的可靠性。

The ZSI scroll compressor is designed for commercial refrigeration applications. It operates in a wide range from low to medium temperature and coversevaporation temperature s from - 30 to 0. CoreSense control spray technology to enhance the reliability of operation under low temperature conditions.



机组技术参数 Unit technical parameters

机组型号 Unit Type	压缩机（中温 / 低温） Compressor (medium temperature / low temperature)			冷凝风机 Condensing fan			冷媒管径 Refrigerant pipe diameter			外形尺寸 Dimensions
	输入功率 input power	制 冷 量 Cooling capacity (W)	运行电流 Running current (A)	风叶 直径 Blade diam eter	风 量 Air volum e	功 率 power (W)	电 压 Vol tag e (v)	极 数 Numb er of pole s	供液/回气 Supply/Eturn	
HX03-FD	2. 5/2	4. 8/2. 6	4. 4/3. 9	φ400	3050	130	220	6	φ10/φ16	960x380x850
HX04-FD	3. 0/2. 6	6. 2/3. 3	5. 2/4. 7	φ400	3050	130	220	6	φ10/φ16	960x380x1280
HX05-FD	4. 3/3. 3	8. 8/4. 8	7, 1/5. 8	φ400	3050x2	130x2	220	6	φ12/φ19	960x380x1280
HX06-FD	5. 3/4. 3	10. 7/5. 9	9. 3/7. 8	φ400	3050x2	130x2	220	6	φ12/φ19	960x380x1280
HX07-FD	5. 8/4. 7	12. 0/6. 6	11. 0/9. 6	φ400	3050x2	130x2	220	6	φ12/φ19	960x380x1280

技术数据 Technical data

型 号 Model	压缩机型号 Comp. Type	HPN OM.	制 冷 量 Q (W) 功 率 P (W)	冷凝温度℃ Co ndens ing temperature	蒸发温度℃ Evaporation temperature					
					-30	-25	-20	-15	-10	-5
HX03-FD	ZSI09KQE	3	Q	55	1610	2070	2590	3170	3830	4590
				50	1800	2320	2890	3540	4270	5120
				45	2070	2620	3240	3950	4760	5690
				40	2340	2930	3600	4370	5250	6270
				35	2580	3210	3930	4760	5710	6810
				30	2740	3410	4180	5060	6090	7270
			P	55	2710	2770	2790	2800	2810	2830
				50	2390	2460	2500	2510	2530	2560
				45	2120	2200	2250	2270	2293	2330
				40	1890	1980	2030	2060	2090	2130
				35	1700	1800	1850	1880	1900	1940
				30	1540	1630	1690	1710	1730	1760
HX04-FD	ZSI11KQE	4	Q	55	2250	2780	3480	4180	5090	5980
				50	2490	3160	3830	4640	5400	6550
				45	2650	3460	4110	5030	6030	7350
				40	2790	3540	4490	5390	6450	7820
				35	2970	3830	4720	5760	6980	8300
				30	3170	4050	5020	6510	7480	8960
			P	55	3269	3340	3730	3360	3360	3370
				50	2820	2930	2970	2990	3000	3030
				45	2440	2570	2630	2670	2690	2720
				40	2120	2260	2340	2380	2410	2450
				35	1870	2010	2100	2130	2170	2200
				30	1660	1830	1890	1930	1950	1980
HX05-FD	ZSI15KQE	5	Q	55	3230	4120	5030	6030	7180	8550
				50	3550	4520	5530	6650	7940	9490
				45	3790	4830	5900	7170	8610	10330
				40	4010	5110	6310	7660	9240	11110
				35	4260	5420	6700	8160	9870	11900
				30	4580	580	7150	8720	10560	12740
			P	55	4130	4300	4470	4640	4770	4840
				50	3680	3820	3980	4140	4280	4370
				45	3330	3440	3590	3750	3890	3990
				40	3030	3120	3250	3400	3550	3670
				35	2740	2800	2910	3060	3220	3350
				30	2400	2440	2540	2680	2840	3000

型 号 Model	压缩机型号 Comp. Type	HPN OM.	制 冷 量 Q (W) 功 率 P (W)	冷 凝 温 度℃ Co ndens ing temperature	蒸发温度℃ Evaporation temperature					
					-30	-25	-20	-15	-10	-5
HX06-FD	ZSI18KQE	6	Q	55	3980	4920	6000	7250	8700	10390
				50	4380	5420	6630	8020	9640	11520
				45	4780	5910	7230	8770	10550	12610
				40	5260	6380	7810	9480	11420	13660
				35	5520	6820	8360	10160	12250	14670
				30	5840	7220	8860	10790	13030	15610
			P	55	5210	5290	5420	5570	5720	5840
				50	4620	4710	4860	5030	5190	5320
				45	4170	4280	4440	4620	4800	4942
				40	3820	3940	4110	4290	4470	4610
				35	3520	3620	3790	3980	4160	4330
				30	3150	3270	3440	3620	3800	3930
HX07-FD	ZSI21KQE	7	Q	55	4460	5500	6720	8140	9780	13770
				50	4910	6050	7400	8980	10800	15230
				45	5350	6590	8060	9790	11790	16660
				40	5770	7100	8700	10570	12740	18030
				35	6150	7580	9290	11300	15640	19350
				30	6500	8010	9850	11980	14480	2060
			P	55	5710	5820	5940	6080	6230	6560
				50	5090	5220	5370	5520	5690	6055
				45	4590	4748	4900	5080	5260	5632
				40	4190	4357	4520	4760	4890	5277
				35	3832	3990	4170	4350	4550	4920
				30	3470	3640	3810	3990	4170	4530

互联网智能一体箱式冷凝机组

产品介绍 Product introduction

智能一体机专门针对商业冷冻应用而设计，机组控制采用最先进的电子模块，远程管理结合手机APP，随时随刻可监控冷库运行情况，故障短信报警，冷凝器采用高效内螺纹铜管加双正旋波纹清水铝箔，高效6极外转子冷凝风机噪音低，效率高，精心设计的结构和先进的过冷系统，使机组的性能大幅度提高。

The intelligent integrated machine is specially designed for commercial freezing applications. The unit control adopts the most advanced electronic module, remote management combinedwith mobile APP, can monitor the operation of the cold storage at any time, fault SMS alarm, the conden ser adopts high efficiency internalthread copper tube plus double positive Rotarycorrugated clear water aluminum foil, high efficiency 6 pole outer rotor condensation fan withlow noise, high efficien cy, well-designed structure andadvanced subcooling system, the performance of the unit is greatly improved.



机组技术参数 Unit technical parameters

机组型号 Unit Type	压缩机 Compressor			冷凝风机 Condensing fan			冷媒管径 Refrigerant pipe diameter		外形尺寸 Dimensions	
	输入功率(KW) input power	制 冷 量 Input power(W)	运行电流 Running current(A)	风 叶 直 径 Blade di ameter	风 量 Airvolume	功 率 power (W)	电 压 Voltage (V)	极 数 Number of poles	供液/回气 Supply/ return	LXMXH(mm)
HX03-FDH	2.2	5900	4.4	φ400			220	6	φ10/φ16	960x380x850
HX04-FDH	2.8	7600	5.5	φ400			220	6	φ10/φ16	960x380x1280
HX05-FDH	3.5	9500	6.9	φ400			220	6	φ12/φ19	960x380x1280
HX06-FDH	4.3	10700	8.8	φ400			220	6	φ12/φ19	960x380x1280
HX07-FDH	5.8	12000	11	φ400			220	6	φ12/φ19	960x380x1280

箱式侧出风涡旋冷凝机组
Box type side outlet vortex condensing unit

产品介绍 Product introduction

箱式侧出风冷凝机组采用高效柔性涡旋压缩机，冷凝器采用高效内螺纹铜管加双正旋波纹清水铝箔，高效6极外转子冷凝风机噪音低，效率高，安装方便。产品广泛应用于冷冻，冷藏，及各种领域。

机组冷媒介质可选择R22或R404制冷剂。

The box side air outlet condensing unitadopts high-efficiency flexible scroll compressor. The condenser adopts high-efficiency internal thread copper tube and double positive-rotation corrugated water-clear aluminum foil. The high-efficiency 6-pole outer rotor condensation fan has low noise, high efficiency and convenient installation. Products are widely used in freezing, refrigerat ion, and various fields.

Unit cold medium quality can choose R22 or R404 refrigerant



机组技术参数 Unit technical parameters

机组型号		HX02-FZ	HX03-FZ	HX04-FZ	HX05-FZ	FZ06-FZ	HX07-FZ
适用温度		(+10～-20℃)					
制冷剂		R22/R404A					
名义匹数 HP		2	3	4	5	6	7
电源		380～415V/50HZ					
最大运行电流（A）		5.2	6.7	7.5	11.9	13.2	14.6
冷凝器	风机功率	130	130	130	130×2	130×2	130×2
	风量	3050	3050	3050	3050×2	3050×2	3050×2
	风机数量	1	1	1	2	2	2
出液管		φ10	φ10	φ10	φ12	φ12	φ12
回液管		φ16	φ16	φ16	φ19	φ19	φ19
外形尺寸	长 L（mm）	960	960	960	960	960	960
	宽 M(mm)	380	380	380	380	380	380
	高 H（mm）	850	850	850	1280	1280	1280

箱式顶出风冷凝机组
Box type top outlet condensing unit

产品介绍 Product introduction

箱式顶出风冷凝机组采用知名品牌压缩机，冷凝器采用高效内螺纹铜管加双正旋波纹清水铝箔，冷凝风机采用大风量低噪音风机，高品质的配件组合一体，效率高，安装方便，性能可靠。

产品广泛应用于冷冻，冷藏，化工，电子，医药，食品及各种工业领域。

机组冷媒介质可选择R22或R404制冷剂。

The box type top outlet air condensing unit adopts well-known brand compressor. The conden ser adopts high-efficiency internal thread copper tube and double positive-rotation corrugated clea r water aluminum foil. The condensing fan adopts high-volume and low-noise fan, high-quality part s and components, high efficiency and easy installation. , reliable performance.

Products are widely used in refrigeration, refrigeration, chemical, electronics, pharmaceutical, foodand various industrial fields.

Unit cold medium quality can choose R22 or R404 refrigerant



机组技术参数 Unit technical parameters

机组型号		HX07-FZ	HX08-FZ	HX010-FZ	HX12-FZ	HX13-FZ	FZ15-FZ
适用温度		(+10～-20℃)					
制冷剂		R22/R404A					
名义匹数 HP		7	8	10	12	13	15
电源		380～415V/50HZ					
最大运行电流（A）							
冷凝器	风机功率	230	550	550	550	550	550
	风量	4800	11700	11700	11700	11700	11700
	风机数量	φ400×2	630×1	630×1	630×1	630×1	630×1
出液管		φ12	φ12	φ16	φ16	φ19	φ19
回液管		φ22	φ22	φ28	φ28	φ28	φ28
外形尺寸	长 L（mm）	1200	10000	10000	10000	10000	10000
	宽 M(mm)	680	9600	9600	9600	9600	9600
	高 H（mm）	850	13800	13800	13800	13800	13800

技术数据 Technical data

R22

型号 Model	压缩机型号 Comp. Type	HPNom.	制 冷 量 Q (W) 功 率 P (W)	冷 凝 温 度 ℃ Co ndens ing temp erature	蒸发温度℃ Evaporation temperature					
					-12	-10	-5	0	5	10
HX02-FG	ZB15KQ-TFD	2	Q	50	2650	2900	3800	4550	5450	6500
				40	3200	3500	4250	5150	6100	7250
				30	3550	3900	4700	5650	6700	7850
			P	50	1680	1680	1700	1720	1740	1750
				40	1350	1350	1370	1390	1410	1420
				30	1090	1090	1100	1120	1150	1180
HX03-FG	ZB21KQ-TFD	3	Q	50	3800	4200	5500	6650	7960	9450
				40	4650	5100	6200	7450	8900	10500
				30	5200	5650	6850	8200	9700	11450
			P	50	2480	2480	2500	2530	2560	2570
				40	2000	1990	2010	2040	2080	2100
				30	1610	1610	1620	1660	1700	1730
HX04-FG	ZB29KQ-TFD	4	Q	50	5100	5600	7400	8900	10650	12700
				40	6250	6800	8300	10000	11900	141000
				30	69500	75550	9200	11000	11900	14100
			P	50	3150	3160	3190	3230	3260	3280
				40	2540	2540	2560	2600	2640	2670
				30	2050	2040	2060	2110	2160	2210
HX05-FG	ZB38KQ-TFD	5	Q	50	6350	6950	9200	11050	13250	15750
				40	7750	8450	10300	12400	14800	17550
				30	8650	9400	11400	13650	16150	19050
			P	50	3980	3990	4020	4070	4120	4140
				40	3210	3210	3220	3290	3340	3370
				30	2580	2580	2610	2660	2730	2790
HX06-FG	ZB45KQ-TFD	6	Q	50	7650	8400	11100	13400	16000	18950
				40	9450	10300	12500	14950	17800	21100
				30	10450	11350	13700	16400	19500	23100
			P	50	4650	4680	4710	4720	4730	4750
				40	3710	3730	3760	3790	3810	3850
				30	2950	2970	3010	3050	3100	3170
HX07-FG	ZB48KQ-TFD	7	Q	50	8400	9250	12200	14700	17550	20850
				40	10400	11300	13700	16460	19600	23200
				30	11500	12450	15050	18050	21450	25400
			P	50	5120	5140	5180	5200	5200	5220
				40	4080	4100	4140	4160	4190	4240
				30	3250	3270	3310	3350	3400	3490
HX08-FG	ZB58KQ-TFD	8	Q	50	9250	10350	14150	17450	21150	25300
				40	11850	13000	16100	19600	23550	28050
				30	13300	14500	17750	21450	25700	30500

HX08-FG	ZB58KQ-TFD	8	P	50	6140	6140	6120	6110	6120	6180
				40	4880	4880	4890	4910	4960	5060
				30	3900	3900	3930	3970	4050	4190
HX10-FG	ZB76KQ-TFD	10	Q	50	13350	14700	19500	23600	28200	33350
				40	16400	17850	21750	26150	31200	36850
				30	18000	19500	23700	28550	34000	40150
			P	50	7930	7950	8000	8040	8100	8210
				40	6270	6300	6360	6430	6530	6700
				30	4950	4970	5030	5110	5240	5470
HX12-FG	ZB88KQ-TFD	12	Q	50	15100	16600	22050	26800	32100	379500
				40	18750	20400	249500	30100	35800	42000
				30	20850	22600	27500	32900	38850	45350
			P	50	8920	8960	9040	9090	9150	9260
				40	7120	7150	7220	7290	7410	7610
				30	5660	5690	5770	5890	6080	6410
HX15-FG	ZB114KQ-TFD	15	Q	50			27050	33700	41000	48950
				40	23200	25550	31700	38550	46100	54500
				30	26750	29050	35400	42500	50450	59350
			P	50			12030	12090	12190	12340
				40	9610	9630	9710	9830	9990	10220
				30	77660	7790	7920	8090	8330	8630

技术数据 Technical data

R404A

型号 Model	压缩机型号 Comp. Type	HPNom.	制 冷 量 Q (W) 功 率 P (W)	冷 凝 温 度 ℃ Co ndens ing temp erature	蒸发温度℃ Evaporation temperature					
					-20	-15	-10	-5	0	5
HX03-FZ	ZB21KQE-TFD	3	Q	50	3100	3750	4550	5500	6550	7750
				40	3700	4550	5500	6600	7850	9300
				30	4300	5250	6350	7600	9050	10750
			P	50	2830	2830	2820	2810	2790	2770
				40	2240	2240	2230	2220	2210	2190
				30	1770	1770	1770	1760	1750	1750
HX04-FZ	ZB29KQE-TFD	4	Q	50	4150	5100	6200	7450	8900	10550
				40	5050	6150	7450	8950	10650	12600
				30	5800	7100	8600	10300	13000	14500
HX04-FZ	ZB29KQE-TFD	4	P	50	3750	3750	3740	3730	3700	3670
				40	2960	2960	2940	2940	2930	2910
				30	2340	2350	2340	2340	2330	2310
HX05-FZ	ZB38KQE-TFD	5	Q	50	5250	6450	7800	9400	11200	13300
				40	6350	7750	9400	11300	13450	15900
				30	7350	8950	10850	13000	13450	15900
			P	50	4740	4740	4720	4700	4670	4630
				40	3740	3740	3730	3720	3700	3670
				30	2960	2960	2960	2950	2940	2920

HX06-FZ	ZB45KQE-TFD	6	Q	50	6150	7550	9150	11000	13100	15550
				40	7450	9100	11000	13200	15750	18650
				30	8600	10500	12700	15250	18150	21500
			P	50	5360	5360	5350	5320	5290	5240
				40	4240	4240	4230	4210	4190	4150
				30	3350	3350	3350	3340	3320	3310
HX07-FZ	ZB48KQE-TFD	7	Q	50	6750	8300	10500	12050	14400	17100
				40	8150	10000	12100	14500	17300	20500
				30	9450	11550	13950	16750	20000	23650
			P	50	5900	5900	5880	5860	5820	5770
				40	4660	4660	4665	4630	4600	4570
				30	3690	3690	3680	3670	3660	3640
HX08-FZ	ZB58KQE-TFD	8	Q	50	7400	9650	12000	14600	17500	20700
				40	9450	11850	14500	17450	20800	24600
				30	11100	13650	16600	19950	23800	28200
			P	50	7120	7120	7080	7090	7100	7100
				40	5630	5630	5670	5720	5770	5770
				30	4480	4540	4620	4690	4730	4710
HX10-FZ	ZB76KQE-TFD	10	Q	50	10600	13250	13200	19500	23250	27450
				40	12900	15900	19350	23250	27650	32650
				30	14900	18250	22150	26600	31700	37450
			P	50	9100	9120	9160	9210	9260	9300
				40	7230	7310	7390	7480	7560	7620
				30	5820	5930	6030	6130	6220	6270
HX13-FZ	ZB95 KQE-TFD	13	Q	50		15500	19500	23750	28350	33550
				40	15600	19600	23850	28550	33900	40000
				30	18550	22700	27400	32750	38950	46150
			P	50		11940	11920	11940	11980	12020
				40	9400	9430	9500	9590	9690	9780
				30	7440	7540	7670	7810	7940	8040
HX15-FZ	ZB114KQE-TFD	15	Q	50		18250	23000	28200	33950	40450
				40	18300	23050	28250	34100	40700	48200
				30	21900	27000	32750	39350	46800	55350
			P	50		14200	14150	14120	14110	14130
				40	11220	11260	11310	11380	11470	11570
				30	8940	9050	9170	9310	9450	9610

半封闭风冷冷凝机组

Semi-closed air-cooled condensing unit

产品介绍

Product introduction

冷凝机组压缩机采用谷轮，比泽尔，富士豪，雪梅等采用知名品牌。冷凝器采用高效内螺纹铜管加双正旋波纹清水铝箔，冷凝风机采用大风量低噪音风机，高品质的配件组合一体，效率高，安装方便，性能可靠。

产品功率5-30HP，温度覆盖高、中、低温，满足各种不同的需求。广泛应用于冷冻，冷藏，化工，电子，医药，食品,制冰，工业冷水及各种工业领域。

机组冷媒介质可选择R22或R404制冷剂。

The condensing unit compressor adopts Copeland, and BITZER, Fujihao, Xuemei, etc. adopt well-known brands. The condenser adopts high-efficiency internal thread copperpipe and double positive-rotation corrugated clear water aluminum foil. The condensing fan adopts high-volume and low-noise fan, high-quality parts and components, high efficiency, convenient installation and reliable performance.

The product power is 5-30HP, and the temperature covers high, medium and low temperature to meet various needs. Widely used in refrigeration, refrigeration, chemicals, electronics, medicine, food, ice making, industrial cold water and various industrial fields.

Unit cold medium quality can choose R22 or R404 refrigerant.



机组型号 Unit Type	压缩机 Compressor			冷凝风机 Condensing fan			冷媒管径 Refriger antpipe diameter
	输入功率 input power (KW)	制 冷 量 Cooling capacity (W)	最大电流 (A) Maximum current	换热面积 Heat exchange area	风 量 Air volume	功 率 power(W)	供 液/回 气 Supply/Eturn
HB05-FD-27	4.23	5570	13	60	4200×2	280×2	φ12/φ22
HB06-FD-33	5.01	6160	16	66	4200×2	280×2	φ12/φ22
HB08-FD-41	6.09	9050	19	88	4200×2	280×4	φ16/φ28
HB10-FD-48	6.91	10500	22	120	4200×2	280×4	φ16/φ28
HB12-FD-56	8.09	12270	27	120	4200×4	280×4	φ16/φ28

HB15-FD-71	10.85	15780	31	150	4500×4	400×4	φ19/φ35
HB20-FD-86	13.14	18330	45	180	4500×4	400×4	φ19/φ42
HB25-FD-106	15.27	20400	53	210	4500×4	400×4	φ22/φ54
HB30-FD-129	19.71	27500	61	280	4500×4	400×4	φ22/φ54
注：1. 参数基于蒸发温度-25℃，冷凝温度 50℃使用 R22 的制冷剂工况下。2. 当蒸发温度较低时须使用 CIC 喷液及附加冷却 Note: 1. The parameters are based on the evaporation temperature of -25 ° C, the condensation temperature of 50 ° C using R22 refrigerant operating conditions. 2. When the evaporation temperature is low, CIC spray and additional cooling must be used.							

半封闭水冷冷凝机组

Semi-closed water-cooled condensing unit

产品介绍 Product introduction

冷凝机组压缩机采用谷轮，比泽尔，富士豪，雪梅等采用知名品牌。冷凝器采用高效内螺纹铜管壳管式，带压力容器证书，换热量大，高品质的配件组合一体，效率高，安装方便，性能可靠。

产品功率5-30HP，温度覆盖高、中、低温，满足各种不同的需求。广泛应用于冷冻，冷藏，化工，电子，医药，食品,制冰，工业冷水及各种工业领域。

机组冷媒介质可选择R22或R404制冷剂

The condensing unit compressor adopts Copeland, andBITZER, Fujihao, Xuemei, etc. adopt well-known brands. The condenser adopts high-efficiency internal-threaded copper tube-and-tube type, with pressure vessel certificate, large heat exchange, high-quality parts and components, high efficiency, convenient installation and reliable performance.

The product power is 5-30HP, and the temperature covers high, medium and low temperature to meet various needs. Widely used in refrigeration, refrigeration, chemicals, electronics, medicine, food, ice making, industrial cold water and various industrial fields.

Unit cold medium quality can choose R22 or R404 refrigerant



机组技术参数 Unit technical parameters

机组型号 Unit Type	压缩机 Compressor			冷凝器 Condenser			冷媒管径 Refriger antpipe diameter
	输入功率 input power (KW)	制 冷 量 Cooling capacity (W)	最大电流 (A) Maximum current	换 热 量 Heat exchange (KW)	管口尺寸 Nozzle size	供 水 量 Water supply (m²/h)	供 液/回 气 Supply/Eturn
HB05-SD-27	4.23	6880	13	15.5	1-1/4	3	φ12/φ22
HB06-SD-33	5.01	7780	16	22	1-1/4	3.5	φ12/φ22
HB08-SD-41	6.09	8040	19	22	1-1/4	4	φ16/φ28
HB10-SD-48	6.91	9310	22	32	1-1/2	5.5	φ16/φ28
HB12-SD-56	8.09	14410	27	38	1-1/2	6	φ16/φ28
HB15-SD-71	10.85	17500	31	42	2	7.8	φ19/φ35
HB20-SD-86	13.14	20740	45	53	2	9	φ19/φ42
HB25-SD-106	15.27	25200	53	70	2	12	φ22/φ54
HB30-SD-129	19.71	31500	61	89	2	14.5	φ22/φ54
HB40-SD-154	22.4	38480	78	115	2-1/2	16.8	φ22/φ54
注：1. 参数基于蒸发温度-25℃，冷凝温度 40℃使用 R22 的制冷剂工况下。2. 当蒸发温度较低时须使用 CIC 喷液及附加冷却 Note: 1. The parameters are based on the evaporation temperature of -25 ° C, the condensation temperature of 40 ° C using R22 refrigerant operating conditions. 2. When the evaporation temperature is low, CIC spray and additional cooling must be used.							

R22 性能参数 R22 Performance parameters

机组型号 Unit Type	名 义 功 率	冷 凝 温 度	基于 50HZ,吸气温度 20℃（或吸气过热度 15K），液体无过冷。制冷量 Q(W)，功率 P（KW） Based on 50HZ, the suction temperature is 20 ° C (or the suction superheat is 15K), and the liquid is not too cold. Cooling capacity Q (W), power P (KW) 蒸发温度℃Evaporation temperature ° C											
			12.5	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HB05—FD—27	5	30	Q				19140	15600	12540	10300	8110	6260	4690	3380
HB05—FD—27	5	30	P				4.77	4.54	5.12	3.93	3.62	3.27	2.91	2.55
		40	Q				16830	13590	10800	8830	6880	5220	3820	2650
			P				5.56	5.14	4.7	4.35	3.92	3.49	3.05	2.62
		50	Q				14480	11550	9020	7280	5570	4120	2920	
			P				6.23	5066	4.67	4.23	3.82	3.39		
HB06—FG—23	6	30	Q	29950	27500	23050	19160	15800	12880	10360	8200	6350	4780	
			P	3.43	3.64	3.90	3.98	3.91	3.73	3.47	3.17	2.86	2.58	
		40	Q	26750	24500	20450	16930	13860	11190	8890	6911	5210	3770	
			P	5.97	5.03	5.00	4.83	4.56	4.22	3.84	3.46	3.12	2.84	
		50	Q	23240	21450	17810	14650	11850	9440	7350	5560	4020		
			P	6.31	6.22	5.94	5.56	5.12	4.65	4.16	3.77	3.43		
HB06—FD—34	6	30	Q					24560	20190	16380	13080	10270	7840	5820
			P					6.17	5.83	5.42	4.96	4.44	3.91	3.34

HB06—FD—34	6	40	Q					21760	17770	14330	11360	8760	6600	4750	3210
			P					7.13	6.60	6.03	5.42	4.97	4.20	3.52	2.78
		50	Q					18820	15300	12240	9460	7170	5220	3600	
			P					8.01	7.31	6.54	5.83	5.07	4.27	3.45	
HB08—FD—41	8	30	Q					30090	24700	20040	16040	12620	9630	7170	5120
			P					7.56	7.15	6.67	6.1	5.48	4.82	4.15	3.47
		40	Q					26560	21660	17480	13870	10680	8040	5800	3930
			P					8.68	8.04	7.36	6.64	5.96	5.24	4.46	3.63
		50	Q					22930	18660	14960	11640	8870	6510	4520	
			P					9.73	8.88	8.00	7.14	6.30	5.43	4.52	
HB10—FG—34	10	30	Q	46750	43050	36020	29990	24750	20240	16290	12910				
			P	5.93	6.04	6.16	6.13	5.97	5.71	5.34	4.90				
		40	Q	43160	37980	31850	26460	21810	17750	14240	11210				
			P	7.67	7.64	7.48	7.12	6.84	6.39	5.86	5.28				
		50	Q	36110	33120	27690	22930	18810	15220	12170	9460				
			P	9.03	9.14	8.74	8.25	7.60	7.06	6038	5.65				
HB10—FD—48	10	30	Q					34940	28670	23230	18560	14560	11100	8220	
			P					8.74	8.31	7.75	7.10	6.35	5.65	4.86	
		40	Q					30770	24140	20290	16060	12390	9310	6710	5800
			P					10.08	9.35	8.54	7.68	6.79	5.88	5.00	4.10
		50	Q					26710	21710	17350	13520	10290	7550	5220	4540
			P					11.30	10.29	9.24	8.23	7.45	6.10	5.10	4.16
HB12—FG—41	12	30	Q	55960	43050	36020	29990	24750	20240	16290	12910				
			P	5.93	6.04	6.12	6.13	5.97	5.71	5.34	4.90				
		40	Q	41340	37980	31850	26460	21810	17750	14240	11210				
			P	7.67	7.64	7.48	7.12	6.84	6.39	5.86	5.28				
		50	Q	36110	33120	27690	22930	18810	15220	12120	9460				
			P	9.30	9.14		8.74	8.25	7.69	7.06	6.38	5.65			
HB12—FD—56	12	30	Q					40330	33080	26850	21460	16860	12730	9410	6620
			P					10.36	9.79	9.10	8.30	7.41	6.51	5.60	4.71
		40	Q					35920	29350	23630	18780	14410	10820	7800	5290
			P					11.86	10.97	10.00	8.96	7.93	6.89	5.87	4.92
		50	Q					31360	25530	20430	15830	12020	8800	6080	
			P					13.22	12.04	10.80	9.59	8.37	7.18	6.04	
HB15—FG—48	15	30	Q	67030	61540	51650	42920	35430	28910	23280	18430				
			P	8.62	8.75	8.84	8.76	8.49	8.08	7.53	6.88				
		40	Q	59680	54680	45820	38070	31310	25430	20380	16020				
			P	11.02	10.94	10.65	10.23	9.68	9.03	8.28	7.46				
		50	Q	52230	47870	39990	33120	27150	21950	17490	13660				
			P	13.31	13.02	12.36	11.62	10.82	9.94	9.00	8.01				
HB15—FD—71	15	30	Q					49500	40500	32500	26110	20400	15700	11700	8400
			P					13.50	12.60	11.65	10.60	9.55	8.50	7.60	6.50
		40	Q					44000	36000	28700	22700	17500	13250	9700	6800
			P					15.64	14.50	13.32	11.90	10.6	9.25	7.96	6.65
		50	Q					31760	25250	19700	14800	10840			
			P					16.40	14.80	13.22	14.50	9.74			
HB20—FG—56	20	30	Q	77520	71150	59680	49780	41060	33520	27050	21400				
			P	10.97	10.99	10.90	10.65	10.27	9.74	9.08	8.30				

HB20—FG—56	20	40	Q	69190	63140	53120	44100	36260	29450	23570	18530				
			P	13.61	13.48	13.07	12.48	11.74	10.88	9.92	8.89				
		50	Q	60560	55570	46400	38420	31510	25480	20240	15730				
			P	16.29	15.94		15.10	14.13	13.04	11.86	10.62	9.34			
HB20—FD—86	20	30	Q					60000	48900	39400	31360	24480	18580	13710	9520
			P					16.45	15.25	14.05	12.67	11.31	9.95	8.68	7.40
		40	Q					52350	42690	34050	26840	20740	15550	11330	7850
			P					18.85	17.28	15.71	14.03	12.46	10.95	9.40	7.80
		50	Q					45750	36600	29170	22670	17180	12710		
			P					21.25	19.36	17.30	15.47	13.57	11.66		
HB25—FG—71	25	30	Q	94500	8700	73400	60500	50300	41000	32700	26000				
			P	13.44	13.60	13.68	13.42	12.96	12.22	11.20	10.22				
		40	Q	86250	79160	66220	55100	44880	36150	28800	22500				
			P	17.32	17.20	16.68	16.00	15.00	13.84	12.58	11.36				
		50	Q	75950	69580	58310	48400	39690	32150	25000	19100				
			P	20.50	20.20	19.30	18.20	16.82	15.35	13.93	12.22				
HB25—FD—103	30	30	Q					71910	58670	47320	37590	29270	22520	16520	11510
			P					19.72	18.72	17.51	16.01	14.41	12.71	11.01	9.41
		40	Q					63160	51690	41800	33040	25260	18900	13470	91310
			P					22.83	21.38	19.53	17.49	15.40	13.56	11.51	9.13
		50	Q					55870	45670	36440	28330	21380	15610		
			P					25.73	23.94	21.92	19.73	17.30	14.71		
HB30—FG—86	30	30	Q	116520	107000	89600	74200	60800	48250	39800	31200				
			P	16.75	16.80	16.62	16.20	15.52	14.70	13.62	12.34				
		40	Q	103600	95140	79200	65750	54050	44000	35100	27090				
			P	21.25	21.05	20.31	19.37	18.22	16.86	15.29	13.72				
		50	Q	92200	84300	70350	58000	47600	38000	29640	23000				
			P	25.34	24.81	23.52	22.00	20.32	18.53	16.72	14.96				
HB30—FD—129	30	30	Q					88400	72800	58850	47100	36800	28000	20800	14580
			P					26.00	23.95	21.90	19.85	17.80	15.86	13.80	11.50
		40	Q					79000	64440	51480	40760	31400	23520	17000	11300
			P					29.20	26.84	24.50	21.80	19.40	16.95	14.41	11.20
		50	Q					69450	56200	44860	34800	26400	19380		
			P					32.20	29.70	27.04	24.00	20.95	17.88		
HB35—FG—106	35	30	Q	13630	125160	10490	87400	72220	58960	47540	37760				
			P	20.89	20.76	20.15	19.41	18.47	17.36	16.08	14.62				
		40	Q	123066	112910	94610	78659	64760	52670	42270	33330				
			P	25.07	24.89	24.00	23.13	21.88	20.50	18.85	17.20				
		50	Q	110531	103100	84780	70250	57620	46620	37120	29010				
			P	30.3	29.35	27.98	26.33	24.49	22.54	20.41	18.37				
HB40—FG—129	40	30	Q	171250	157150	131500	109700	90600	73950	59500	46800				
			P	25.45	25.56	25.05	24.05	23.60	22.30	20.70	19.00				
		40	Q	154500	141700	118600	98500	81050	65000	52100	41200				
			P	31.80	31.50	30.05	29.12	27.45	25.50	23.52	21.50				
		50	Q	138000	126500	106000	87000	71100	57050	45250	35150				
			P	37.6	37.02	34.40	33.50	31.20	28.80	26.04	23.20				

HB40—FD—154	40	30	Q					106960	87960	71470	56980	44480	33990	25390	17800
			P					29.34	27.67	25.70	23.62	21.33	19.04	16.54	14.15
		40	Q					95460	77970	62480	49480	38480	28890	21190	14790
			P					34.02	31.52	28.92	26.11	23.3	20.39	17.58	14.77
		50	Q					85070	69170	55580	43580	33240	24480		
			P					38.77	35.41	32.04	28.58	25.11	21.75		
HB50—FG—154	50	30	Q	202900	186500	155500	129200	106700	87000	68800	54600				
			P	33.00	32.50	31.30	29.80	28.25	26.50	24.30	22.00				
		40	Q	181500	166500	139400	116000	95000	77000	62000	48550				
			P	39.55	39.20	37.60	35.95	33.73	31.02	28.22	25.22				
		50	Q	161100	147600	123400	102300	83850	68100	54650	43100				
			P	45.80	44.90	42.95	40.60	37.88	34.50	31.00	27.50				
HB50—FD—172	50	30	Q				144500	119800	98520	80050	63820	49820	38070	28440	19940
			P				34.5	32.86	30.99	28.78	26.45	23.89	21.32	18.52	15.85
		40	Q				130000	106920	87330	69980	55420	43100	32360	23730	16560
			P				40.90	38.10	35.30	32.39	29.24	26.10	22.84	19.69	16.54
		50	Q				116000	95280	77470	62250	48810	37230	27370		
			P				47.2	43.42	39.66	35.88	32.00	28.12	24.36		

R404A 性能参数

R404A Performance parameters

机组型号 Unit Type	名 义 功 率 Nominal power (HP)	冷 凝 温 度 Comden sation tempera ture℃	基于 50HZ,吸气温度 20℃（或吸气过热度 15K），液体无过冷。制冷量 Q(W)，功率 P (KW) Based on 50HZ, the suction temperature is 20 ° C (or the suction superheat is 15K), and the liquid is not too cold. Cooling capacity Q (W), power P (KW) 蒸发温度℃Evaporation temperature ° C													
					12.5	10	5	0	—5	—10	—15	—20	-25	—30	—35	—40
HB05 — FD — 27X	5	30	Q					21100	17420	14220	11470	9100	7080	5370	3930	2730
			P					5.52	5.29	4.99	4.62	4.18	3.70	3.19	2.66	2.11
		40	Q					17650	14520	11810	9460	7440	5720	4250	3010	1980
			P					6.34	5.95	5.50	4.99	4.43	3.83	3.22	2.60	1.98
		50	Q					14300	11730	9490	7550	5880	4440	3220	2190	
			P					7.07	6.35	5.93	5.29	4.62	3.92	3.22	2.52	
HB06 — FG — 23X	6	30	Q	26733	25200	17580	14500	11830	9530	7550	5860	4420	3210			
			P	4.74	4.75	4.73	4.62	4.43	4.17	3.85	3.48	3.08	2.21			
		40	Q	22517	21250	14750	12120	9840	7880	6160	4700	3470	2420			
			P	5.85	5.81	5.35	5.01	4.61	4.17	3.36	3.17	2.65	2.12			
		50	Q	18407	17360	11980	9790	7890	6240	4820	3600	2570	1710			
			P	6.80	6.72	5.95	5.47	4.95	4.38	3.79	3.19	2.58	1.97			
HB06 — FD — 33X	6	30	Q				24950	20650	16900	13670	10900	8540	6530	4840	3420	
			P				6.65	6.36	5.98	5.52	5.01	4.45	3.86	3.25	2.65	
		40	Q				2110	17420	14200	11420	9030	6980	5240	3770	2540	
			P				7.64	7.17	6.63	6.03	5.37	4.67	3.94	3.21	2.47	
		50	Q				17320	14220	11520	9190	7180	5460	4000	2770		
			P				8.61	7.98	7.28	6.51	5.71	4.87	4.01	3.14		
HB08 — FD — 41X	8	30	Q				32390	26730	21830	17610	14000	10870	8170	5980	4140	
			P				8.94	8.37	7.72	7.06	6.35	5.60	4.78	3.99	3.20	
		40	Q				27250	22330	18130	14490	11260	8650	6370	4460		
			P				10.11	9.30	8.46	7.57	6.75	5.84	4.95	4.03		
		50	Q				22130	18010	14510	11440	8830	6670				
			P				10.94	10.01	8.95	7.90	6.88	5.85				
HB10 — FG — 34X	10	30	Q	41440	38500	32190	26640	21900	17740	14710						
			P	7.29	7.26	7.21	7.06	6.68	6.18	5.67						
		40	Q	35420	32490	27100	22370	18300	1470	11710						
			P	8.91	8.76	8.39	7.97	7.39	6.73	6.02						
		50	Q	28990	26510	22060	18160	14690	11760	9300						
			P	10.22	9.95	9.34	8.65	7.96	7.14	6.25						
HB10 — FD — 48X	10	30	Q				37610	31020	25300	20380	16150	12530	9370	6780	4710	
			P				10.34	9.73	8.98	8.22	7.36	6.56	5.60	4.72	3.89	
		40	Q				31570	25910	21040	16780	13060	10020	7370	5150	3340	
			P				11.75	10.81	9.81	8.76	7.68	6.56	5.55	4.62	3.30	
		50	Q					20950	16840	13290	10240	7740	5540			
			P					11.60	10.34	9.10	7.81	6.57	5.46			

HB12 — FG — 41X	12	30	Q	50310	46080	32010	26290	21400	17141						
			P	8.79	8.78	8.58	8.11	7.53	6.9						
		40	Q	42610	39080	26940	22070	17830	14710						
			P	10.85	10.71	9.75	9.05	8.26	7.40						
		50	Q	34890	31950	21990	17750	14252	11310						
			P	12.57	12.23	10.63	9.79	8.79	7.72						
HB12 — FD — 56X	12	30	Q					40330	33080	26850	21460	16860	12730	9410	6620
			P					10.36	9.79	9.10	8.30	7.41	6.51	5.60	4.71
		40	Q					35920	29350	23670	18780	14410	10820	7800	5290
			P					11.86	10.97	10.00	8.96	7.93	6.89	5.87	4.92
		50	Q					31360	25530	20430	15830	12020	8800	6080	
			P					13.22	12.04	10.80	9.59	8.37	7.18	6.04	
HB15 — FG — 48X	15	30	Q	60140	55210	38130	31280	25360	20230						
			P	10.51	10.44	10.05	9.46	8.72	7.97						
		40	Q	50990	46730	32120	26210	21140	16740						
			P	12.72	12.47	11.28	10.44	9.51	8.51						
		50	Q	41860	38280	26210	21180	16980	13430						
			P	14.50	14.07	12.17	11.21	10.07	8.86						
HB15 — FD — 71X	15	30	Q					49500	40500	32500	26100	20400	15700	11700	8400
			P					13.50	12.60	11.65	10.65	9.55	8.50	7.60	6.50
		40	Q					44000	36000	28700	22700	17500	13250	9700	6800
			P					15.64	14.50	13.32	11.90	10.6	9.25	7.96	6.65
		50	Q					31760	25250	19700	14890	10840			
			P					16.40	14.80	13.22	11.50	9.74			
HB20 — FG — 56X	20	30	Q	77520	71150	59680	49780	41060	33520	27050	21460				
			P	10.97	10.99	10.90	10.65	10.27	9.74	9.08	8.30				
		40	Q	69190	63140	53120	44100	36260	29450	23570	18530				
			P	13.61	13.48	13.07	12.48	11.74	10.88	9.92	8.89				
		50	Q	60560	55570	46400	38420	31530	25480	20240	15730				
			P	16.29	15.94	15.10	14.13	13.04	11.86	10.62	9.34				
HB20 — FD — 86X	20	30	Q					60000	48900	39400	31360	24480	18560	13710	9520
			P					16.45	15.25	14.05	12.67	11.31	9.95	8.68	7.40
		40	Q					52350	42690	34050	26840	20740	15550	11330	7850
			P					18.85	17.28	15.71	14.03	12.46	10.95	9.40	7.80
		50	Q					45750	36660	29170	22670	17180	12710		
			P					21.25	19.35	17.36	15.47	13.57	11.68		
HB25 — FG — 71X	25	30	Q	94500	87000	73400	60500	50300	41000	32700	26000				
			P	13.44	13.60	13.68	13.42	12.96	12.22	11.20	10.22				
		40	Q	86250	79160	66220	55100	44880	36150	28800	22500				
			P	17.32	17.20	16.86	16.00	15.00	13.84	12.58	11.35				
		50	Q	75950	69580	58310	48400	39690	32150	25000	19100				
			P	20.50	20.20	19.30	18.20	16.82	15.35	13.93	12.22				
HB25 — FD — 103X	25	30	Q					71910	58670	47320	37590	29270	22520	16520	11510
			P					19.72	18.72	17.51	16.01	14.41	12.71	11.01	9.41
		40	Q					63160	51690	41800	33040	25260	18900	13470	9130
			P					22.83	21.38	19.53	17.49	15.40	13.56	11.51	9.13

HB25 — FD — 103X	25	50	Q					55870	45670	36440	28330	21380	15610			
			P					25.73	23.94	21.94	19.73	17.30	14.70			
HB30 — FG — 86X	30	30	Q	116520	107000	89600	74200	60800	49250	39800	31200					
			P	16.75	16.80	16.62	16.20	15.52	14.70	13.62	12.43					
		40	Q	103600	95140	79200	65750	54050	44000	35100	27090					
			P	21.25	21.05	20.31	19.37	18.22	16.86	15.329	13.72					
		50	Q	92200	74300	70350	58000	47600	38000	29640	23000					
			P	25.34	24.81	23.52	22.00	21.00	18.53	16.72	14.96					
HB30 — FD — 129X	30	30	Q					88400	72800	58850	47100	36800	28000	20800	14580	
			P					26.00	23.95	21.90	21.85	17.80	15.68	13.80	11.50	
		40	Q					79000	64440	51480	40760	31400	23520	17000	11300	
			P					29.20	26.84	24.50	21.80	19.40	16.95	14.41	11.20	
		50	Q					69450	56200	44860	34800	26400	19360			
			P					32.20	29.70	27.04	24.00	20.95	17.88			
HB35 — FG — 106X	35	30	Q	136300	125160	104900	87400	72220	58960	47540	37760					
			P	20.89	20.76	20.15	19.41	18.47	17.36	16.08	14.62					
		40	Q	123066	112910	94610	78650	64760	52670	42270	33330					
			P	25.80	25.61	24.70	23.80	22.50	21.10	19.40	17.70					
		50	Q	113750	104250	87250	72250	59300	47980	38200	29850					
			P	30.90	30.20	28.80	27.10	25.20	23.20	21.00	18.90					
HB40 — FG — 129X	40	30	Q	171250	157150	131500	109700	90600	73950	59500	46800					
			P	25.45	25.56	25.05	24.50	23.60	22.30	20.70	19.00					
		40	Q	154500	141700	118600	98500	81050	65000	52100	41200					
			P	31.80	31.50	30.50	29.12	27.45	25.50	23.52	21.50					
		50	Q	138000	126500	106000	87000	71100	57050	45252	35150					
			P	37.60	37.02	35.40	33.50	31.20	28.80	26.04	23.20					
HB40 — FD — 154X	40	30	Q					106960	87960	71470	56980	44480	33990	25390	17800	
			P					29.34	27.67	25.70	23.62	21.33	19.04	16.54	14.15	
		40	Q					95460	77970	62480	49480	38480	28890	21190	14790	
			P					34.02	31.52	28.92	26.11	23.3	20.39	17.58	14.77	
		50	Q					85070	69170	55580	43580	33240	24440			
			P					38.77	35.41	32.04	28.58	25.11	21.75			
HB50 — FG — 154X	50	30	Q	202900	186500	155500	129200	106700	87000	68800	54600					
			P	33.00	32.50	31.30	29.80	28.25	26.50	24.30	22.00					
		40	Q	181500	166500	139400	116000	95000	77000	62000	48550					
			P	39.55	39.20	37.6	35.95	33.73	31.02	28.22	25.22					
		50	Q	161100	147600	123400	102300	83850	68100	54650	43100					
			P	45.80	44.90	42.92	40.60	37.88	34.50	31.00	27.50					
HB50 — FD — 172X	50	30	Q				144500	119800	98520	80050	63820	49820	38070	28440	19940	
			P				34.50	32.86	30.99	28.78	26.54	23.89	21.32	18.52	15.85	
		40	Q				130000	106920	87330	69980	55420	43100	32360	23730	16560	
			P				40.90	38.10	35.30	32.39	29.24	26.10	22.84	19.69	16.54	
		50	Q					116000	95282	77470	62250	48810	37230	27370		
			P					47.2	43.42	39.66	35.88	32.00	28.12	24.36		

螺杆 SRC 系列 压缩 冷凝 机组

Screw SRC series compression condensing unit

产品介绍 Product introduction

冷凝机组采用雪梅、台湾复盛、汉钟、德国比泽尔等知名品牌压缩机。螺杆压缩机产品种类齐全，分为中高温，低温，单机双级、永磁变频压缩机，永磁变频螺杆压缩机同比常规机型省电27%以上，更节能。

电气系统均采用施耐德元器件，保证设备的可靠运行。德国西门子大型可编PLC控制，实现人机界面，无人值守，可自动根据负荷的变化选择开启压缩机的数量或加载、卸载，极大的节约了能源。中高温螺杆冷凝机组产品功率40-160HP，蒸发温度12~—20℃. 广泛应用于水果、蔬菜保鲜、气调、冷藏、化工、电子、医药、食品、制冰、工业冷水及各种工业领域。

中低温螺杆冷凝机组产品功率40-160HP，蒸发温度—15~—45℃. 广泛应用于冷冻、速冻隧道、冷藏、化工、电子、医药、食品、制冰、工业冷水及各种低温工业领域。

机组冷媒介质可选择R22或R404制冷剂

The condensing unit adopts famous brand compressors such as Xuemei, Taiwan Fusheng, Ha nzhong and German Bitzer. Screw compressor products are available in a wide range of medium an d high temperature, low temperature, single-machine two-stage, permanent magnet inverter compr essors. The permanent magnet variable frequency screw compressor saves more than 27% of the conventional models and is more energy efficient.

Schneider components are used in the electrical systemto ensure reliable operation of theequi pment. Germany Siemens large-scale programmable PLC control, realizes man-machine interface, unattended, can automatically select the number of compressors to be turned on or load and unload according to the change of load, which greatly saves energy.

The high-temperature screw condensing unit has a power of 40-160HP and an evaporation tem perature of 12~20℃. It is widely used in fruit, vegetablepreservation, air conditioning, refrigeration , chemical, electronics, medicine, food, ice making, industrial cold water and various industrial field S. .

Medium and high temperature screw condensing unit power 40-160HP, evaporation temperatu re -15 ~ -45 ° C. Widely used in freezing, quick freezing tunnel, refrigeration, chemical, electronics, medicine, food, ice making, industrial cold water and various low temperature industries.

Unit cold medium quality can choose R22 or R404 refrigerant



性能参数 Performance parameters

机组型号 Unit Type	名 义 功 率 Nomin al power (HP)	冷 凝 温 度 Comden sation tempera ture℃	基于 50HZ, (或吸气过热度 15K), 液体无过冷。制冷量 Q(W) Based on 50HZ, (or the suction superheat is 15K), and the liquid is not too cold. Cooling capacity Q (W) 蒸发温度℃Evaporation temperature ° C													
			12.5	10	5	0	—5	—10	—15	—20	-25	—30	—35	—40	—45	
HL40 — SRC —D140	40	30							83500	70100	58300	47800	38600	30600	23700	
		40							8000	67000	55500	45300	36350	28500	21800	
		50							75500	62900	51700	41750	33000	25400		
HL50 — SRC —G140	50	30	192700	177800	150600	126700	105700	87500	71600	57900						
		40	174400	160500	135400	113300	94000	77300	62800	50300						
		50	154900	142200	119100	98900	81300	66100	53000	41800						
HL50 — SRC —D165	50	30							98900	83200	69200	56900	46000	36600	28400	
		40							94400	79200	65700	53800	43300	34100	26100	
		50							88400	73900	61000	49500	39400	30500		
HL60 — SRC —G1650	60	30	227300	210000	178600	150900	126500	105200	86520	70200						
		40	207400	191300	162000	136200	113500	93600	76200	61000						
		50	185400	170600	143700	119900	99100	80900	65000	51200						
HL60 — SRC —D200	60	30							1199900	100100	82600	67400	54000	42400	32400	
		40							113300	94400	77700	63100	50300	39200	29600	
		50							105000	87300	71400	57500	45200	34600		
HL70 — SRC —G200	70	30	276100	254700	215800	181600	151700	125700	103200	83900						
		40	251700	231900	195800	164100	136400	112300	91400	73500						
		50	223600	205300	172000	142800	117400	95100	76000	59600						
HL70 — SRC —D220	70	30							132900	111500	92700	76000	61500	48800	37900	
		40							126600	106000	87800	71800	57700	45400	34800	
		50							118500	98800	81400	66000	52400	40400		
HL80 — SRC —G220	80	30	310800	286700	242800	204400	170600	141200	115700	93600						
		40	281400	259100	218600	183000	152000	124900	101600	81600						
		50	250200	229800	192500	160000	131700	107200	86000	68000						
HL75 — SRC —D140	75	30							143500	120600	100300	82300	66700	53200	41300	
		40							136200	114300	94800	77600	62500	49500	38000	
		50							126900	106100	84400	71300	56800	44200		
HL90 — SRC —G250	90	30	334000	308600	285700	262500	221700	185900	154600	127300	103300					
		40	304900	281300	238200	200300	166900	137700	112200	9000						
		50	272900	251100	211600	176600	146100	119300	96000	75800						
HL125 — SRC—G360	125	30		466700	395500	332800	277900	230100	188500	152700						
		40	458200	422000	356100	298200	247700	203800	165800	133100						
		50	407800	374500	314000	261000	214900	175000	140600	11120						
HL125 — SRC—D410	125	30							248100	208800	174100	143600	117000	94000	74100	
		40							236900	198800	165100	135500	109600	87000	67500	
		50							221500	185000	152700	124100	98900	76800		
HL140 — SRC—G410	140	30		526100	485000	446300	376100	314600	261000	214400	174100					
		40	520000	479500	405600	340600	283700	234100	191100	154000						
		50	465100	428000	360400	301000	248800	203400	163800	129600						
HL160 — SRC—D535	160	30							315500	264600	219800	180600	146400	116900	91400	
		40							299300	280800	208100	170500	137700	109200	84500	
		50							280100	234300	193700	157800	126200	98500		

箱式风冷冷水机组

Box type air-cooled chiller

产品介绍 Product introduction

机组采用谷轮、松下等知名品牌全封闭涡旋式制冷压缩机，具有效率高、噪音低、性能可靠等优点。采用微电脑控制系统，可支持实现远程操作。施耐德的电器元件保证设备的可靠运行。

冷凝器采用高效内螺纹铜管加双正旋波纹清水铝箔，冷凝风机采用大风量低噪音高效外转子风机，效率高，性能可靠。

机组具有高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。

机组结构紧凑，管路设计简单，安装维护简易。

机组产品功率3-50HP，蒸发温度5~20°C。广泛应用于注塑、化工、电子、医药、食品、空调、工业冷水及各种工业领域。

The unit adopts well-known scroll-type refrigeration compressors such as Copeland and Panasonic, which have the advantages of high efficiency, low noise and reliable performance. A microcomputer control system is available to support remote operation. Schneider's electrical components ensure reliable operation of the equipment.

The condenser adopts high-efficiency internal thread copper pipe and double positive-rotation corrugated clear water aluminum foil. The condensing fan adopts high-volume, low-noise and high-efficiency outer-rotor fan, which has high efficiency and reliable performance.

The unit has multiple protection functions such as high and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient water flow protection, and compressor overheat protection.

The unit has compact structure, simple pipeline design and easy installation and maintenance.

The power of the unit is 3-50HP, and the evaporation temperature is 5~20°C. It is widely used in injection molding, chemical, electronics, medicine, food, air conditioning, industrial cold water and various industrial field.



技术参数 Technical Parameters

型号 model		HL03FA	HL05FA	HL08FA	HL10FA	HL12FA	HL15FA	HL20FA2	HL25FA2	HL30FA2	HL40FA2	HL50FA2
制 冷 量 Cooling capacity	KW	7.2	12.5	20.0	26.7	30.6	39.2	53.4	61.2	78.4	102.2	126.8
	Kcal/h	6000	11000	17000	23000	26000	34000	46000	53000	67000	88000	109000
功率 Poret	KW	3	4.9	7.2	9.7	11	14.3	18.8	20.8	28.4	33.7	40.5
最大运行电流 Maximum operating current		5.8	9.6	14.1	17.8	20	27.8	35.2	38.3	56	60	74.6
电源 power supply		3PH 380V/50HZ										
压 缩 机 compressor	类型 Types of	全封闭涡旋式压缩机										
	功率（KW）	2.3	3.75	5.8	7.6	8.5	12.35	18.88	18.2	24.6	29	36.8
制冷剂 Refrigerant		R22/R407										
节流方式 Throttling method		毛细管/外平衡式热力膨胀阀 Capillary/external balance thermal expansion valve										
冷 凝 器 Condenser	类型 Types of	高效内螺纹铜管双正旋波纹清水铝箔翅片+高效外转子冷凝风机 High efficiency internal thread copper tube double positive rotation corrugated clear water aluminum foil fin + high efficiency outer rotor condensation fan										
	冷 却 风 量 Cooling air volume	3000*2	3000*2	4500*2	4500*2	4500*2	6500*2	6500*2	7800*3	7800*3	11200*3	11200*3
	输入功率 input power(w)	190*2	190*2	230*2	230*2	230*2	400*2	400*2	550*3	550*3	705*3	11200*3
蒸 发 器 Evaporator	类型 Types of	不锈钢水箱铜管 /壳管式/板式换热器 /高效同轴换热器 Stainless steel water tank copper tube / shell tube / plate heat exchanger / high efficiency coaxial heat exchanger										
	进出水管 Inlet and outlet pipe	1	1	1-1/2	1	1/2	2	2	2-1/2	2-1/2	2-1/2	2-1/2
冷 冻 水 泵 Chilled water pumps	功率 power(kw)	0.37	0.37	0.75	0.75	0.75	1.5	1.5	1.5	2.2	2.2	2.2
	扬程 Head(m)	15	15	20	20	20	16	16	16	19	19	19
	流量 flow m³/h	2.8	2.8	2.8	3.5	3.5	6.5	6.5	6.5	25	25	25
外 形 尺 寸 Dimensions	长 L	900	900	1100	1100	1100	1700	2100	2100	2400	2400	2660
	宽 M	650	650	800	800	800	850	1000	1000	1100	1100	1200
	高 H	1450	1450	1850	1850	1850	1800	2160	2160	2080	2350	255
安全保护装置 Safety device	高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。 High and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient water flow protection, compressor overheat protection and other multiple protection functions.											
注：1.名义工况中参数如下：冷冻进/出水温度 5～10℃，环境温度 35℃ 2 蒸发器水侧设计承受压力为 1.0Mpa。 3 除上述规格及要求外，公司可根据客户要求提供非标产品 4. 以上规格参数如有变动，恕不另行通知 Note: 1. The parameters in nominal conditions are as follows: freezing inlet/outlet temperature 5~10℃, ambient temperature 35℃ 2 The water side of the evaporator is designed to withstand a pressure of 1.0 MPa. 3 In addition to the above specifications and requirements, the company can provide non-standard products according to customer requirements. 4. The above specifications are subject to change without notice.												

箱式水冷冷水机组
Box type water-cooled chiller

产品介绍 Product introduction

机组采用谷轮、松下等知名品牌全封闭涡旋式制冷压缩机，具有效率高、噪音低、性能可靠等优点。采用微电脑控制系统，可支持实现远程操作。施耐德的电器元件保证设备的可靠运行。

冷凝器采用高效内螺纹铜管壳管式，换热量大，效率高，性能可靠。

机组具有高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。

机组结构紧凑，管路设计简单，安装维护简易。

机组产品功率3-50HP，蒸发温度5～20℃. 广泛应用于注塑、化工、电子、医药、食品、空调、工业冷水及各种工业领域。

The unit adopts well-known scroll-type refrigeration compressors such as Copeland and Panasonic, which have the advantages of high efficiency, low noise and reliable performance. A microcomputer control system is available to support remote operation. Schneider's electrical components ensure reliable operation of the equipment.

The condenser adopts high-efficiency internal-threaded copper tube-and-tube, which has large heat exchange, high efficiency and reliable performance.

Units have high and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient waterflow protection, compressor overheating protection and other multiple protection functions.

The unit has compact structure, simple pipeline design and easy installation and maintenance.

Unit product power 3-50HP, evaporation temperature 5～20 °C. Widely used in injection molding, chemical, electronics, medicine, food, air conditioning, industrial cold water and various industrial fields.



技术参数 Technical Parameters

型号 model		HL03FA	HL05FA	HL08FA	HL10FA	HL12FA	HL15FA	HL20FA2	HL25FA2	HL30FA2	HL40FA2	HL50FA2
制 冷 量 Cooling capacity	KW	7.2	12.5	20.0	26.7	30.6	39.2	53.4	61.2	78.4	102.2	126.8
	Kcal/h	6000	11000	17000	23000	26000	34000	46000	53000	67000	88000	109000
功率 Poret	KW	3	4.9	7.2	9.7	11	14.3	18.8	20.8	28.4	33.7	40.5
最大运行电流 Maximum operating current		5.8	9.6	14.1	17.8	20	27.8	35.2	38.3	56	60	74.6
电源 power supply		3PH 380V/50HZ										
压 缩 机 compressor	类型 Types of	全封闭涡旋式压缩机 Fully enclosed scroll compressor										
	功率（KW）	2.3	3.75	5.8	7.6	8.5	12.35	18.88	18.2	24.6	29	36.8
制冷剂 Refrigerant		R22/407C/R04A										
节流方式 Throttling method		毛细管/外平衡式热力膨胀阀 Capillary/external balance thermal expansion valve										
冷 凝 器 Condenser	类型 Types of	壳管式 Shell and tube										
	换 热 量 Heat exchange(KW)	11	15.5	22	32	38	42	53	70	102	115	140
	冷 却 水 管 Cooling water pipe	1	1-1/4	1-1/4	1-1/2	1-1/2	2	2	2	2-1/2	2-1/2	2-1/2
蒸 发 器 Evaporator	类型 Types of	不锈钢水箱铜管 /壳管式/板式换热器 /高效同轴换热器 Stainless steel water tank copper tube / shell tube / plate heat exchanger / high efficiency coaxial heat exchanger										
	水 箱 容 量 / L input power/L	60	60	60	110	110	145	145	200	200	250	250
	进出水管 Inlet and outlet pipe	1	1	1-1/2	1	1/2	2	2	2-1/2	2-1/2	2-1/2	2-1/2
冷 冻 水 泵 Chilled water pumps	功率 power(w)	0.37	0.37	0.75	0.75	0.75	1.5	1.5	1.5	2.2	2.2	2.2
	扬程 Head(m)	15	15	20	20	20	16	16	16	19	19	19
	流量 flow m³/h	2.8	2.8	2.8	3.5	3.5	6.5	6.5	6.5	25	25	25
外 形 尺 寸 Dimensions	长 L	1050	1050	1420	1420	1750	1750	2050	2050	2150	2350	2350
	宽 M	750	750	860	860	950	950	950	950	1100	1100	1100
	高 H	900	900	1100	1100	1100	1100	1450	1450	1450	1450	1450
安全保护装 置 Safety device	高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。 High and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient water flow protection, compressor overheat protection and other multiple protection functions.											
注：1.名义工况中参数如下：冷冻进/出水温度 5～10℃，环境温度 35℃ 2 蒸发器水侧设计承受压力为 1.0Mpa。 3 除上述规格及要求外，公司可根据客户要求提供非标产品 4. 以上规格参数如有变动，恕不另行通知 Note: 1. The parameters in nominal conditions are as follows: freezing inlet/outlet temperature 5~10℃, ambient temperature 35℃ 2. The water side of the evaporator is designed to withstand a pressure of 1.0 MPa. 3. In addition to the above specifications and requirements, the company can provide non-standard products according to customer requirements. 4. The above specifications are subject to change without notice.												

敞开式式水冷冷水机组
Box type water-cooled chiller

产品介绍 Product introduction

机组采用谷轮、松下、丹弗斯等知名品牌全封闭涡旋式制冷压缩机，具有效率高、噪音低、性能可靠等优点。采用微电脑控制系统，可支持实现远程操作。施耐德的电器元件保证设备的可靠运行。

冷凝器采用高效内螺纹铜管壳管式，换热量大，效率高，性能可靠。

蒸发器采用高效内螺纹铜管壳管式，结合艾默生、丹弗斯等知名品牌外平衡热力膨胀阀，具有制冷量大，品质稳定优点。

机组具有高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。

机组结构紧凑，管路设计简单，安装维护简易。

机组产品功率10-60HP，温度范围广20～40℃. 广泛应用于注塑、化工、电子、医药、食品、空调、工业冷水及各种工业领域。

The unit adopts well-closed scroll refrigeration compressors such as Copeland, Panasonic and Danfoss, which have the advantages of high efficiency, low noise and reliable performance. A microcomputer control system is available to support remote operation. Schneider's electrical components ensure reliable operation of the equipment.

The condenser adopts high-efficiency internal-threaded copper tube-and-tube type, which has large heat exchange, high efficiency and reliable performance.

The evaporator adopts high-efficiency internal-threaded copper tube-and-tube type, combined with Emerson, Danfoss and other well-known brand externally-balanced thermal expansion valves, which have the advantages of large refrigeration capacity and stable quality.

The unit has multiple protection functions such as high and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient water flow protection, and compressor overheat protection.

The unit has a compact structure, simple piping design, and easy installation and maintenance.

The unit's product power is 10-60HP, and the evaporation temperature is20～40℃. It is widely used in injection molding, chemical, electronics, medicine, food, air conditioning, industrial cold water and various industrial fields.



技术参数 Technical Parameters

型号 model		HL08FA	HL10FA	HL12FA	HL15FA	HL20FA2	HL25FA2	HL30FA2	HL40FA2	HL50FA2
制 冷 量 Cooling capacity	KW	20.8	26.7	30.6	39.2	53.4	61.2	78.4	102.2	126.8
	Kcal/h	17000	23000	26000	34000	46000	53000	67000	88000	109000
功率 Poret	KW	7.2	9.7	11	14.3	18.8	20.8	28.4	33.7	40.5
最大运行电流 Maximum operating current		14.1	17.8	20	27.8	35.2	38.3	56	60	74.6
电源 power supply		3PH 380V/50HZ								
压 缩 机 compressor	类型 Types of	全封闭涡旋式压缩机 Fully enclosed scroll compressor								
	功率（KW）	5.8	7.6	8.5	12.35	18.88	18.2	24.6	29	36.8
制冷剂 Refrigerant		R22/407C/R04A								
节流方式 Throttling method		毛细管/外平衡式热力膨胀阀 Capillary/external balance thermal expansion valve								
冷 凝 器 Condenser	类型 Types of	壳管式 Shell and tube								
	换热量 Heat exchange	22	32	38	42	53	70	102	115	140
	冷却水管 Cooling water pipe	1-1/4	1-1/2	1-1/2	2	2	2	2-1/2	2-1/2	2-1/2
蒸 发 器 Evaporator	蒸发器 Evaporator 类 型 Types of	铜管/壳管式/板式换热器/高效同轴换热器 copper tube / shell tube / plate heat exchanger / high efficiency coaxial heat exchanger								
	进出水管 Inlet and outlet pipe	1-1/4	1-1/2	1-1/2	2	2	2	2-1/2	2-1/2	2-1/2
外 形 尺 寸 Dimensions	长 L	1020	1020	1350	1350	1650	1850	1850	2100	2100
	宽 M	560	560	650	650	750	750	850	850	850
	高 H	1100	1100	1200	1200	1350	1350	1450	1450	1450
安全保护装置 Safety device		高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。 High and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient water flow protection, compressor overheat protection and other multiple protection functions.								
注：1.名义工况中参数如下：冷冻进/出水温度 5～10℃，环境温度 35℃ 2 蒸发器水侧设计承受压力为 1.0Mpa。 3 除上述规格及要求外，公司可根据客户要求提供非标产品。 4. 以上规格参数如有变动，恕不另行通知 Note: 1. The parameters in nominal conditions are as follows: freezing inlet/outlet temperature 5~10℃, ambient temperature 35℃ 2. The water side of the evaporator is designed to withstand a pressure of 1.0 MPa. 3. In addition to the above specifications and requirements, the company can provide non-standard products according to customer requirements. 4. The above specifications are subject to change without notice.										

低温工业冷水机组（风冷、水冷）
Low temperature industrial chillers (air-cooled, water-cooled)

产品介绍 Product introduction

机组采用谷轮、丹弗斯等知名品牌低温制冷压缩机，具有效率高、噪音低、性能可靠等优点。采用微电脑控制系统，可支持实现远程操作。施耐德的电器元件保证设备的可靠运行。

水冷机组冷凝器采用高效内螺纹铜管壳式，风冷机组冷凝器采用高效内螺纹铜管加双正旋波纹清水铝箔，冷凝风机使用高效外转子发风机。

蒸发器采用高效内螺纹铜管壳式或高效换热器，结合艾默生、丹弗斯等知名品牌外平衡热力膨胀阀，具有制冷量大，品质稳定优点。

机组具有高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。

知名品牌低温水泵，大排量、低能耗、省电耐用。

机组结构紧凑，管路设计简单，安装维护简易。

机组产品功率3-60HP，温度范围广5～—35℃. 广泛应用于注塑、化工、电子、医药、食品、空调、工业冷水及各种工业领域。

The unit adopts well-known brand cryogenic refrigeration compressors such as Copeland and Danfoss, which have the advantages of high efficiency, low noise and reliable performance. A micro computer control system is available to support remote operation. Schneider's electrical components ensure reliable operation of the equipment.

The water-cooled unit condenser adopts high-efficiency internal thread copper tube shell type. The air-cooled unit condenser adopts high-efficiency internalthread copper tube and double positive-rotation corrugated clear water aluminumfoil, and the condenser fan uses high-efficiency outer rotor fan.

The evaporator adopts high-efficiency internal-threaded copper shell-shell or high-efficiency heat exchanger, combined with Emerson, Danfoss and other well-known brand external balance thermal expansion valves, which have the advantages of large refrigeration capacity and stable quality.

The unit has multiple protection functions such as high and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient water flow protection, and compressor overheat protection.

Well-known brand low temperature water pump, large displacement, low energy consumption, energy saving and durable.

The unit has a compact structure, simple piping design, and easy installation and maintenance.

The power of the unit is 3-60HP, and the temperature range is 5~-35℃. It is widely used in injection molding, chemical, electronics, medicine, food, air conditioning, industrial cold water and various industrial fields.

技术参数 Technical Parameters

型号 model			HD03-L	HD05-L	HD08-L	HD10-L	HD12-L	HD015-L	HD20-L2	HD25-L2	HD30-L2	HD40-L2	HD50-L2
制 冷 量 Cooling capacity	KW 380V/50HZ	-10℃	5.4	9.3	14.51	19.3	25.53	31.76	36.68	45.67	56.20	75	87.33
		-20℃	3.24	4.92	8.83	11.76	15.83	19.7	22.67	28.33	34.84	49.48	55.42
		-30℃	1.57	2.52	6.67	10.02	8.80	10.84	12.71	15.61	19.38	28.89	32.36
		-35℃	1.02	1.56	6.35	7.15	6.08	7.96	9.40	11.50	14.41	17.56	19.65
蒸 发 器 Evaporator	类型 Types of	壳管式/不锈钢板式换热器 Shell tube type / stainless steel plate heat exchanger											
	冷冻水量 Chilled water volume (m3/h)	-10℃	2.1	2.06	3.14	4.32	5.26	6.24	8.67	10.25	12.5	16.8	21.7
		-20℃	0.74	1.31	2.16	2.43	2.84	3.56	5.48	6.71	7.9	13.33	15.88
		-30℃	0.37	0.56	1.2	1.36	1.56	2.2	3.13	3.82	4.49	6.95	8.25
		-35℃	0.24	0.36	0.78	0.92	1.06	1.48	2.17	2.62	3.84	4.96	6.12
	进出水管径 Inlet and outlet pipe	1	1	1-1/2	1-1/2	2	2	2	2-1/2	2	1/2	2	2
输入总功率 Input total power (KW)			3	4.5	6.75	8.6	10.1	12.8	14.56	21	26.5	35	43.6
最大运行电流 Maximum operating current			7.5	11	16.5	21	25	31	42	51	64	82	96
电源 power supply			3PH 380V/50HZ										
制冷剂 Refrigerant			R22/407C/R04A										
节流方式 Throttling method			Externally balanced thermal expansion valve										
压缩机 compressor	类型 Types of	低温涡旋/半封闭活塞压缩机 Low temperature vortex/semi-closed piston compressor											
	功率 power (KW)	2.2	3.75	6	7.5	9	11.3	15	18.8	22.6	30	34	
水 泵 Water pump	功率 power(KW)	0.75	0.75	1.1	1.1	1.5	1.5	2.2	2.2	4	4	5.5	
	最高扬程 Highest lift(M)	18	18	20	20	20	20	20	20	25	25	25	
安全保护 Safety device			高低压保护、冷冻水防冻结冰保护、电源相序保护、缺相保护、水流量不足保护、压缩机过热保护等多重保护功能。 High and low voltage protection, chilled water anti-freezing ice protection, power phase sequence protection, phase loss protection, insufficient water flow protection, compressor overheat protection and other multiple protection functions.										
注：名义工况中参数如下： 1. 制冷量依据：冷冻水进出水温差 3℃至 8℃，冷凝温度 40℃，冷却进出风温度 25℃/32℃ 2. 冷却水温度范围：18℃至 35℃，冷却水进出水温差 3.5℃至 10℃， 3. 蒸发器水侧设计承受压力为 1.0Mpa。4. 4. 以上规格参数如有变动，恕不另行通知 Note: The parameters in the nominal condition are as follows: 1. Cooling capacity: chilled water inlet and outlet water temperature difference 3 ° C to 8 ° C, condensing temperature 40 ° C, cooling inlet and outlet air temperature 25 ° C / 32 ° C 2. Cooling water temperature range: 18 ° C to 35 ° C, cooling water inlet and outlet water temperature difference of 3.5 ° C to 10 ° C, 3. The water side of the evaporator is designed to withstand a pressure of 1.0 MPa. 4. 4. The above specifications are subject to change without notice.													

螺杆式风冷冷水机机组
Screw chiller air-cooled chiller

产品介绍 Product introduction

冷水机组采用雪梅、台湾复盛、汉钟、德国比泽尔等知名品牌压缩机。螺杆压缩机产品种类齐全，分为中高温，低温，单机双级、永磁变频压缩机，永磁变频螺杆压缩冷水机同比常规机型省电27%以上，更节能。

冷凝器采用高效内螺纹铜管加双正旋波纹清水铝箔，冷凝风机采用大风量低噪音高效外转子风机，效率高，性能可靠。

蒸发器采用高效内螺纹铜管壳式干式蒸发器，结合艾默生、丹弗斯等知名品牌外平衡热力膨胀阀，具有制冷量大，品质稳定优点。

微电脑控制系统，具有强大的安全保护、通讯、故障判断、自动适应功能。

电气系统均采用施耐德元器件，保证设备的可靠运行。德国西门子大型可编PLC控制，实现人机界面，无人值守，可自动根据负荷的变化选择开启压缩机的数量或加载、卸载，极大的节约了能源。

中高温螺杆冷水机组产品功率40-260HP，蒸发温度12～—40℃. 广泛应用于注塑、电镀、蔬菜保鲜、化工、电子、医药、印刷、食品、制冰、工业冷水及各种工业领域。

机组冷媒介质可选择R22或R404制冷剂

The chillers use well-known brand compressors such as Xuemei, Taiwan Fusheng, Han zhong and German Bitzer. The screw compressor has a completerange of products, includin g medium and high temperature, low temperature, single-machine two-stage, permanent m agnet inverter compressor, and permanent magnet variable frequency screw compression chi ller. Compared with conventional models, it saves more than 27% of electricity and is more energy efficient.

The condenser adopts high-efficiency internal thread copper pipe and double positive-r otation corrugated clear water aluminum foil. The condensing fan adopts high-volume, low-noise and high-efficiency outer-rotor fan, which has high efficiency and reliable performance.

The evaporator adopts high-efficiency internal-threaded copper tube-and-tube type dry evaporator, combined with Emerson, Danfoss and other well-known brand external balance thermal expansion valves, which have the advantages of large refrigeration capacity and sta ble quality.

Microcomputer control system with powerful security protection, communication, fault ju dgment and automatic adaptation.

Schneider components are used in the electrical system to ensure reliable operation of the equipment. Germany Siemens large-scale programmable PLC control, realizes man-ma chine interface, unattended, can automatically select the number of compressors to be turne d on or load and unload according to the change of load, which greatly saves energy.

The medium and high temperature screw chiller has a power of 40-260HP and an evap oration temperature of 12~40℃. It is widely used in injection molding, electroplating, veget able preservation, chemical, electronics, medicine, printing, food, ice making, industrial co ld water and various industrial fields.

Unit cold medium quality can choose R22 or R404 refrigerant.

技术参数 Technical Parameters

型号 model		HLF30A	HLF40A	HLF50A	HLF60A	HLF75A	HLF90A	HLF110A	HLF125A	HLF140A
制 冷 量 Cooling capacity	KW	81	112	147	196	249	293	343	416	479
	Kcal/h	7. 0	9. 6	12. 6	16. 9	21. 4	25. 2	29. 5	35. 8	41. 6
输入总功率 Input total power (KW)		33	43. 5	55	73. 7	89. 7	106. 6	125. 4	146	168
最大运行电流 Maximum operating current (A)		56. 9	77. 6	99. 8	136. 7	168. 5	195. 1	231. 6	272. 1	325. 5
电源 power supply		3PH- 380V/50HZ								
控制方式 control method		PLC 可编程控制器，触摸屏全自动控制 PLC programmable controller, touch screen automatic control								
压 缩 机 compressor	类型 Types of	5-6 非对称半封闭双螺杆压缩机 5-6 asymmetric semi-closed twin screw compressor								
	功 率 power (KW)	27. 7	36. 5	45. 8	62	74. 9	86. 7	105. 2	122. 2	138. 9
	启 动 方 式 Startup mode	Y-△启动 Y-△ start								
能量控制 Energy control		0-25%-50%-75%-100%								
制 冷 剂 Refrigerant	型号 model	R22/R134/R404								
	充 注 量 Charge	21	29	38	50	64	75	88	107	136
蒸 发 器 Evaporator	类型 Types of	高效壳管式干式蒸发器 High efficiency shell and tube dry evaporator								
	进 出 水 管 Inlet and outlet pipe (DN)	50	65	65	80	100	100	100	125	125
	水 流 量 Water flow(m3/h)	13. 9	19. 5	25. 3	33. 7	42. 8	50. 4	59. 2	71. 6	95. 5
冷 凝 器 Condenser	类 型 Types of	高效内螺纹铜管双正旋波纹清水铝箔翅片+高效外转子冷凝风机 High efficiency internal thread copper tube double positive rotation corrugated clear water aluminum foil fin + high efficiency outer rotor condensation fan								
	风量 Air volume (m3/h)	34470	47100	62000	81800	102800	120500	142600	170700	221000
冷 凝 风 机 Condensing fan	数 量 Quantity	6	8	8	6	6	6	8	8	10
	功 率 power(KW)	0. 4	0. 4	0. 5	0. 8	1. 1	1. 7	1. 1	1. 1	1. 1
	电流 (A)	0. 9	0. 9	1. 2	2. 7	3. 8	3. 9	3. 8	3. 8	3. 8
外 形 尺 寸 Dimensions	长 L	2300	2600	2800	2850	2850	3500	3500	3850	4200
	宽 M	1550	1600	1650	1900	1900	2200	2200	2200	2200
	高 H	1850	1850	2000	2200	2200	2500	2500	2500	2500
注：1.名义工况中参数如下：冷冻进/出水温度 5~10℃，环境温度 35℃ 2 蒸发器水侧设计承受压力为 1.0Mpa。 3 除上述规格及要求外，公司可根据客户要求提供非标产品 4.以上规格参数如有变动，恕不另行通知 Note: 1. The parameters in nominal conditions are as follows: freezing inlet/outlet temperature 5~10°C, ambient temperature 35°C 2. The water side of the evaporator is designed to withstand a pressure of 1.0 MPa. 3. In addition to the above specifications and requirements, the company can provide non-standard products according to customer requirements. 4. The above specifications are subject to change without notice.										

螺杆式水冷冷水机机组
Screw type water-cooled chiller unit.

产品介绍 Product introduction

冷水机组采用雪梅、台湾复盛、汉钟、德国比泽尔等知名品牌压缩机。螺杆压缩机产品种类齐全，分为中高温，低温，单机双级、永磁变频压缩机，永磁变频螺杆压缩冷水机同比常规机型省电27%以上，更节能。

冷凝器采用高效内螺纹铜管壳式，效率高，性能可靠。
蒸发器采用高效内螺纹铜管壳式干式蒸发器，结合艾默生、丹弗斯等知名品牌外平衡热力膨胀阀，具有制冷量大，品质稳定优点。
微电脑控制系统，具有强大的安全保护、通讯、故障判断、自动适应功能。
电气系统均采用施耐德元器件，保证设备的可靠运行。德国西门子大型可编PLC控制，实现人机界面，无人值守，可自动根据负荷的变化选择开启压缩机的数量或加载、卸载，极大的节约了能源。

中高温螺杆冷水机组产品功率40-260HP，蒸发温度12~—40℃. 广泛应用于注塑、电镀、蔬菜保鲜、化工、电子、医药、印刷、食品、制冰、工业冷水及各种工业领域。

机组冷媒介质可选择R22或R404制冷剂

The chillers use well-known brand compressors such as Xuemei, Taiwan Fusheng, Han zhong and German Bitzer. Screw compressor products are availablein a wide range of medium and high temperature, low temperature, single-machine two-stage, permanent magnet inverter compressors. The permanent magnet variable frequency screw compression chiller save s more than 27% of the conventional models and is more energy efficient.

The condenser is made of high-efficiency internal thread copper tube shell, which has high efficiency and reliable performance.

The evaporator adopts high-efficiency internal-threaded copper tube-and-tube type dry evaporator, combined with Emerson, Danfoss and other well-known brand external balance thermal expansion valves, which have the advantages of large refrigeration capacity and stable quality.

Microcomputer control system with powerful security protection, communication, fault judgment and automatic adaptation.

Schneider components are used in the electrical system to ensure reliable operation of the equipment. Germany Siemens large-scale programmable PLC control, realizes man-machine interface, unattended, can automatically select the number of compressors to be turned on or load and unload according to the change of load, which greatly saves energy.

The medium and high temperature screw chiller has a power of 40-260HP and an evaporation temperature of 12~40°C. It is widely used in injection molding, electroplating, vegetable preservation, chemical, electronics, medicine, printing, food, ice making, industrial cold water and various industrial fields.

Unit cold medium quality can choose R22 or R404 refrigerant.



技术参数 Technical Parameters

型号 model		HLS30A	HLS40A	HLS50A	HLS60A	HLS75A	HLS90A	HLS110A	HLS125A	HLS140A
制 冷 量 Cooling capacity	KW	89	123	161	215	273	321	375	456	527
	Kcal/h	7.7	10.6	13.8	18.5	23.5	27.6	32.3	39.2	45.3
输入总功率 Input total power (KW)		28.6	36.8	45.2	58.3	66.4	78.5	94.6	108.8	123.5
最大运行电流 Maximum operating current (A)		46.8	59.3	78.9	92.5	135.6	145.8	175.9	200.7	245.6
电源 power supply		3PH- 380V/50HZ								
控制方式 control method		PLC 可编程控制器，触摸屏全自动控制 PLC programmable controller, touch screen automatic control								
压 缩 机 compressor	类型 Types of	5-6 非对称半封闭双螺杆压缩机 5-6 asymmetric semi-closed twin screw compressor								
	功率 power (KW)	23.3	30.7	38.5	52.2	63	73	88.5	102.8	117.6
	启动方式 Startup mode	Y-△启动 Y-△ start								
能量控制 Energy control		0-25%-50%-75%-100%								
制 冷 剂 Refrigerant	型号 model	R22/R134/R404								
	充 注 量 Charge	21	29	38	50	64	75	88	107	136
蒸 发 器 Evaporator	类型 Types of	高效壳管式干式蒸发器 High efficiency shell and tube dry evaporator								
	进 出 水 管 Inlet and outlet pipe (DN)	50	65	65	80	100	100	100	125	125
	水 流 量 Water flow (m3/h)	13.9	19.5	25.3	33.7	42.8	50.4	59.2	71.6	95.5
冷 凝 器 Condenser	类型 Types of	高效壳管式冷凝器 High efficiency shell and tube condenser								
	水 流 量 Water flow (m3/h)	19	26.5	34.5	46.2	58.7	69	80.6	98	114
	进 出 水 管 Inlet and outlet pipe (DN)	65	65	80	80	100	100	125	125	150
外 形 尺 寸 Dimensions	长 L	2300	2600	2800	2850	2850	3500	3500	3850	4200
	宽 M	1550	1600	1650	1900	1900	2200	2200	2200	2200
	高 H	1850	1850	2000	2200	2200	2500	2500	2500	2500
注：1.名义工况中参数如下：冷冻进/出水温度 5~10℃，环境温度 35℃ 2 蒸发器水侧设计承受压力为 1.0Mpa。 3 除上述规格及要求外，公司可根据客户要求提供非标产品。 4. 以上规格参数如有变动，恕不另行通知 Note: 1. The parameters in nominal conditions are as follows: freezing inlet/outlet temperature 5~10°C, ambient temperature 35°C 2. The water side of the evaporator is designed to withstand a pressure of 1.0 MPa. 3. In addition to the above specifications and requirements, the company can provide non-standard products according to customer requirements. 4. The above specifications are subject to change without notice.										

