

水冷螺杆式一体机 Integrated Water Cooled Screw Chiller

机组特点和作用：

- 1、产品广泛用于医药、化工、冶金、橡塑、食品、等行业的生产工艺控温，也可以作为大型冷库、冰场、中央的冷源主机。
- 2、产品一体式设计，将内外循环泵、水箱、管道阀件等优化组装，整机结构紧凑，占地面积小，降低用户安装费用。
- 3、产品采用西门子PLC一键控制，操作简单，设计合理，各用电部件实现自动有序启停，压缩机依据热负荷自动调节容量控制，最大程度为用户节约运行费用。
- 4、机组具备远程操控及售后支持功能。
- 5、供液温度范围：-40℃~0℃，制冷量范围：50KW~1880KW。

Features and functions:

- 1、The chiller is widely used in the production process temperature control of medicine, chemical industry, metallurgy, rubber and plastics, food and other industries, and can also be used as the mainframe of large cold storage, ice rink and central cold source.
- 2、The integrated design of the product can optimize the assembly of internal and external circulation pump, water tank, pipe valve, etc. The whole machine is compact in structure, occupies a small area, and reduces the installation cost of users.
- 3、The chiller is controlled by Siemens PLC with one key, simple operation and rational design. The electrical components can start and stop automatically in order to save operating costs.
- 4、The chiller has remote control and after-sales support functions.
- 5、Output temperature range is from -40℃ to +30℃, Cooling capacity range is from 50kw to 1880kw.



水冷螺杆式一体机参数表 Integrated water-cooled screw chiller

型号 Model		AGS-040WSHI	AGS-050WSHI	AGS-060WSHI	AGS-070WSHI	AGS-075WSHI	AGS-085WSHI	AGS-100WSHI	AGS-120WSHI	AGS-140WSHI	AGS-160WSHI	AGS-180WSHI	AGS-220WSHI
7度出水 Outlet temperature:7℃	制冷量 (KW) Cooling capacity	119.5	156.8	168.5	209.3	225.4	265.6	312.4	365.9	444.3	513.6	577.6	672.6
	压缩机功率 (KW) Compressor Power	30.3	38	41.9	50.2	54.8	62.1	72.1	86.2	103.2	118.8	133	151.6
12度出水 Outlet temperature:12℃	制冷量 (KW) Cooling capacity	143	187.7	201.6	250.5	269.7	317.8	373.9	437.9	531.8	614.7	691.3	805
	压缩机功率 (KW) Compressor Power	31.3	39	42.9	51.4	56.1	63.7	73.9	88.3	105.8	121.8	136.3	155.4
输入总功率 Total input power (kw)		40	48	55	63	70	77	87	112	140	156	170	192
最大运行电流 Max.runing current (A)		90.7	108.3	125.1	144.0	159.1	175.7	198.5	255.7	319.5	355.1	387.4	438.5
制冷剂 Refrigerant	名称 Type	R22 (R407c)											
	充注量 (kg)	26	30	36	43	49	54	65	68	90	100	110	132
	控制方式 Control method	外平衡感温式热力膨胀阀 Expansion valve											
压缩机 Compressor	类型 Type	半封闭螺杆式 Semi-hermetic screw											
	功率 Power(KW)	30.3	38	41.9	50.2	54.8	62.1	72.1	86.2	103.2	118.8	133	155.4
	启动方式 Start-up mode	Y-△											
	能量调节范围 Capacity control (%)	0-25-50-75-100											
蒸发器 Evaporator	类型 Type	干式壳管式 Shell and tube											
	冷冻水量 (m3/h) Chilled water flow	24.6	32.3	34.7	43.1	46.4	54.7	64.3	75.3	91.5	105.7	118.9	138.4
	进出水管径 Inlet/outlet pipe caliber	3"	3"	3"	4"	4"	4"	4"	5"	5"	5"	6"	6"
冷凝器 Condenser	类型 Type	壳管式 Shell and tube											
	冷却水量 (m3/h) Cooling water flow	30.7	40.3	43.3	53.8	58.0	68.3	80.4	94.1	114.3	132.1	148.6	173.0
	进出水管径 Inlet/outlet pipe caliber	3"	3"	3"	4"	4"	4"	4"	5"	5"	5"	6"	6"
安全保护装置 Safety protection		压缩机过热保护, 机组过载保护装置, 高低压力保护装置, 防冻保护装置, 电源进相/缺相保护器, 可熔栓, 水流开关。 Compressor over temperature protection, over load protection, high and low pressure protection, flow switch protection, reversed and lacking phase protection, anti-freezing protection, fusible plug.											
方形水箱 Square water tank	水箱容积 Tank volume	1000L	1500L	2000L	2000L	3000L	3000L	3000L	4000L	5000L	5000L	6000L	7000L
外循环铸铁水泵 External circulation water pump	功率 Power (KW)	5.5	5.5	7.5	7.5	7.5	7.5	7.5	15.0	15.0	15.0	15.0	15.0
	扬程 Lift (m)	25.5	24.5	24.6	24.6	24.1	23.6	23.6	26.2	26.2	25.7	24.9	24.9
内循环铸铁水泵 Internal circulation water pump	功率 Power (KW)	4	4	5.5	5.5	7.5	7.5	7.5	11	22	22	22	22
	扬程 Lift (m)	20	20	20	20	22	22	22	20	32	32	32	32
机械尺寸 Dimension	长 Length(mm)	2880	2880	3080	3080	3480	3480	3480	3480	3880	4000	4380	5100
	宽 Width(mm)	1990	1990	2160	2160	2240	2240	2240	2540	2630	2680	2750	2900
	高 Height(mm)	2020	2030	2060	2060	2135	2135	2150	2400	2400	2485	2685	2920
机组重量 Net weight (KG)		1530	1860	1930	2060	2185	2290	2360	2630	2910	3150	3550	4310
运行重量 Running weight (KG)		2580	3460	4100	4160	5230	5450	5560	6690	8300	8550	9690	12100