

CHILLERS: PA-C / PA-W LOW TEMPERATURE CHILLERS

- AIR / WATER COOLED LOW TEMPERATURE



Feature and functions:

- ✓ Commonly used in medicine industry , chemical industry , bioengineering and etc.
- ✓ Temperature is adjustable in the range of -30 degree to +5 Degree Celsius.

PA-C SERIES (AIR COOLED) LOW TEMPERATURE CHILLER (T=-10 DEGREE)

参数 Item		型号 Model									
		PAC-3L	PAC-5L	PAC-8L	PAC-10L	PAC-12L	PAC-15L	PAC-20L	PAC-25L	PAC-30L	PAC-40L
标准制冷量 Nominal cooling capacity	kcal/h	2514	4023	6732	9440	11684	14160	18881	20119	23369	29405
	50Hz/60Hz	3012	4823	8078	11328	14014	16993	22657	24143	28043	35286
输入总功率 Total input power	kw	2.92	4.68	7.83	10.98	13.59	16.47	21.96	23.4	27.18	34.2
	50Hz/60Hz	3.5	5.61	9.39	13.17	16.3	19.76	26.35	28.08	32.61	41.04
		3.18	4.86	7.25	9.4	10.9	13.47	18.8	22.55	28.5	36
电源 Power		3PH-380V 50Hz(200V/220V/415V 460V 50Hz/60Hz)									
制冷剂 Refrigerant	名称 Type	R22 (R404A/R507)									
	控制方式 Control method	外平衡式热力膨胀阀 Expansion valve									
压缩机 Compressor	类型 Type	全封闭涡旋式(活瓣式) Hermetic scroll(piston type)									
	功率 Power(kw)	2.25	3.75	6	7.5	9	11.25	15	18	22.5	30
冷凝器 Condenser	类型 Type	高效紫铜管套铝翅片式+低噪音外转子风机 Finned copper tube+low noise outer fan									
	类型 Type	壳管式/不锈钢板换 Shell and Tube/Plate heat exchanger									
蒸发器 Evaporator	类型 Type	壳管式/不锈钢板换 Shell and Tube/Plate heat exchanger									
	冷冻水量(m ³ /h) Chilled fluid flow(m ³ /h)	1.41	2.26	3.78	5.31	6.57	7.96	10.61	11.31	13.13	16.53
	1.69	2.71	4.54	6.36	7.88	9.55	12.73	13.57	15.76	19.83	
水泵 Water pump	功率 Power(kw)	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4	4
	扬程 Lift(m)	20	20	20	20	20	20	20	20	25	25
安全保护 Safety protection		压缩机过热保护, 过流保护, 高低压力保护, 超温保护, 流量保护, 相序/缺相保护, 排气过稀保护, 防冻保护, flow switch protection, phase sequence or missing phase protection, exhaust overheating protection, anti-freezing protection.									
机械尺寸 Dimension	长 Length(mm)	930	1140	1310	1680	1690	1800	2000	2200	2200	2500
	宽 Width(mm)	520	560	720	810	810	990	1130	1130	1130	1200
	高 Height(mm)	975	1040	1270	1280	1280	1680	1720	1914	2026	2250
机械重量 Weight	kg	135	175	310	450	530	750	835	920	1080	1125

Note:

1. Nominal cooling capacity is calculated according to: Inlet/outlet chilled fluid temperature -5 or -10 Degree Celsius. Inlet/Outlet cooling water temperature: 30 or 35 Degree Celsius.
2. Working condition: The temperature range of chilled fluid is from -10 to 10 Degree Celsius. Temperature difference between inlet and outlet chilled fluid is from 3 to 8 Degree Celsius. It is better to run the chiller while the ambient temperature at or below 35 Degree Celsius. The above red parameters is for the particular is for the particular voltage, which need to made accordingly. We reserve the rights to modify the above information without further notice

PA-C SERIES (AIR COOLED) LOW TEMPERATURE CHILLER (T=-25 DEGREE)

参数 Item		型号 Model									
		PAC-3L	PAC-5L	PAC-8L	PAC-10L	PAC-12L (D)	PAC-15L	PAC-20L	PAC-25L	PAC-30L	PAC-40L
标准制冷量 Nominal cooling capacity	kcal/h 50Hz/60Hz	1005 1206	1584 1901	3310 3972	4651 5581	4988 5986	5184 6221	8628 10354	10570 12684	12435 14922	15863 19036
	kw 50Hz/60Hz	1.17 1.4	1.84 2.21	3.85 4.62	5.41 6.49	5.8 6.96	6.03 7.24	10.03 12.04	12.29 14.75	14.46 17.35	18.45 22.14
输入总功率 Total input power	kw	3.18	4.86	7.25	9.4	10.9	13.47	18.8	22.55	28.5	36
电源 Power		3PH-380V 50Hz(200V/220V/415V 460V 50Hz/60Hz)									
制冷剂 Refrigerant	名称 Type	R404A(R507)									
	控制方式 Control method	外平衡式热力膨胀阀 Expansion valve									
压缩机 Compressor	类型 Type	全封闭涡旋式(活塞式) Hermetic scroll(piston type)									
	功率 Power (kw)	2.25	3.75	6	7.5	4.5*2	11.25	15	18.75	22.5	30
冷凝器 Condenser	类型 Type	高效紫铜管套铝翅片式+低噪音外转子风机 Finned copper tube+low noise outer fan									
蒸发器 Evaporator	类型 Type	壳管式不锈钢板换 Shell and Tube/Plate heat exchanger									
	冷冻水量 (m³/h) Chilled fluid flow(m³/h)	0.57 0.68	0.89 1.07	1.86 2.23	2.61 3.14	2.8 3.36	2.91 3.50	4.85 5.82	5.94 7.13	6.99 8.38	8.92 10.70
	进出水管径 Inlet/outlet pipe caliber	1"	1"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	3"
水泵 Water pump	功率 Power (kw)	0.75	0.75	0.75	1.1	1.1	1.5	2.2	2.2	4	4
	扬程 Lift (m)	18	18	18	20	20	20	20	20	25	20
安全保护 Safety protection		压缩机过热保护, 过流保护, 高低压力保护, 超温保护, 流量保护, 相序/缺相保护, 排气过热保护, 防冻保护 Compressor overheating protection, over-current protection, high and low pressure protection, over-temperature protection, flow switch protection, phase sequence or missing phase protection, exhaust overheating protection, anti-freezing protection.									
机械尺寸 Dimension	长 Length (mm)	930	1140	1310	1680	1680	1800	2000	2000	2200	2500
	宽 Width (mm)	520	560	720	810	810	990	1130	1130	1130	1200
	高 Height (mm)	975	1040	1270	1280	1280	1680	1720	1914	2026	2250
机械重量 Weight	kg	135	175	310	450	530	750	835	920	1080	1125

Note:

- Nominal cooling capacity is calculated according to: Inlet/outlet chilled fluid temperature -20 or -25 Degree Celsius. Inlet/Outlet cooling water temperature: 30 or 38 Degree Celsius.
- Working condition: The temperature range of chilled fluid is from -25 to -5 Degree Celsius. Temperature difference between inlet and outlet chilled fluid is from 3 to 8 Degree Celsius. It is better to run the chiller while the ambient temperature at or below 35 Degree Celsius. The above red parameters is for the particular is for the particular voltage, which need to made accordingly.