

CHILLERS: COOLING TOWER

Feature and Function:

- ✓ Adopts high quality PVC heat radiation films.
- ✓ The designed shape of films effectively prolongs the contact time between high temperature water and the cooling air, thus the cooling effect is excellent.
- ✓ Tower chassis, featuring anti-corrosion, strong ability of resistance of vile weather
- ✓ Presentable appearance, it is made of high strength glass fibre, its rotation part and connection area is made of high quality raw materials. It helps to improve the service life and connection strength

PURIWELL GLOBAL PTE LTD



Model no. COOLING TOWER www.puriwellglobal.com

Technical parameters of cooling tower

SPECIFICATION FOR ST SERIES ST 系列规格																	
型号 MODEL	ST	a	10	15	20	25	30	40	50	60	80	100	125	150	200	250	300
流量 Nominal Flow	m ³ /h	6.23	7.81	11.7	15.62	19.51	23.4	31.21	39.24	46.8	62.64	78.12	97.56	117	156	195	234
风量 Air Volume	CMM	70	85	140	160	200	230	280	330	420	450	700	830	950	1250	1750	2000
马达 Motor	KW	0.18	0.18	0.37	0.56	0.75	0.75	1.5	1.5	1.5	1.5	2.25	2.25	2.25	3.75	5.5	7.5
音量 Noise Level	DBA	45.5	47	48	50	52	54	56	57	57	59	60	60	60	60	60	60
净重 Dry weight	KG	42	46	54	67	98	116	130	190	240	260	500	540	580	950	1200	1905
运行重量 Wet weight	KG	180	190	290	300	500	530	550	975	1250	1280	1600	1640	1680	2050	2920	4075
入水 Water inlet	WI	40	40	50	50	80	80	80	80	100	100	100	125	125	150	150	200
出水 Water outlet	WO	40	40	50	50	80	80	80	80	100	100	100	125	125	150	150	200
溢水 Overflow	OF	25	25	25	25	25	25	25	25	25	25	50	50	50	50	80	80
排水 Drain	DR	25	25	25	25	25	25	25	25	25	25	50	50	50	50	80	80
浮球 Flow Valve	FV	15	15	15	15	15	15	15	15	20	20	20	20	20	25	32	32
塔体 Tower	TH	1700	1830	1645	1930	2150	1895	2040	2120	2345	2510	2690	2875	2875	3735	4240	4465
马达 Motor	MH	170	170	170	170	180	180	200	200	270	270	320	320	320	570	660	760
壳身 Casing	CH	940	1070	855	1140	1385	1130	1255	1255	1290	1455	1595	1790	1790	1965	2060	2185
入风 Air inlet	AH	170	170	170	170	245	245	245	245	325	325	325	325	325	350	620	620
水盆 Water Basin	WH	420	420	450	450	340	340	340	420	460	460	450	450	450	850	900	900
入水 Water inlet	IH	270	270	280	280	175	175	175	230	295	295	300	300	300	245	280	280
出水 Water Outlet	OH	180	180	190	190	115	115	115	125	200	200	230	230	230	300	300	300
基础 Foundation	FH	250	250	250	250	300	300	300	300	300	300	300	300	300	300	300	300
风扇 Exhaust Fan	ED	550	635	635	770	770	770	930	930	1180	1180	1450	1450	1450	1750	2440	2745
水盆 Water Basin	WD	920	920	1165	1165	1385	1650	1650	1880	2100	2100	2900	2900	2900	3310	4120	4730
基础 Foundation	FD	554	554	797	797	1018	1170	1170	1440	1660	1660	2495	2495	2495	3180	4330	4990
螺丝 Anchor Bolt	BD	9x3	9x3	9x3	9x3	9x3	9x4	9x4	9x4	11x4	11x4	11x6	11x6	11x6	16x8	16x12	16x12
基础 Foundation	FS	250	250	250	250	300	300	300	300	300	300	300	300	300	300	300	300
脚板L Plate L	PL	140	140	150	150	140	140	140	180	200	200	210	210	210	180	180	180
脚板W Plate W	PW	120	120	140	140	140	150	150	160	190	190	130	130	130	150	150	150
螺线/入水缸 Suction Tank	BC	480	480	690	690	880	830	830	1010	1180	1180	1230	1230	1230	400	800	800
索结螺线 Bolt Center	SC	80	80	115	115	150	150	150	120	150	150	180	1450	180	2250	3060	3530
索结/法兰L Flange L	SL	390	390	515	515	600	780	780	835	915	915	1430	1430	1430	740	840	840
带动方式 Type of drive		直接 Direct															
风扇 Exhaust fan	EF01	塑料 Polycarbonate															
马达 Motor	MT02	全封闭马达 T.E.F.C.380V/3PH/50Hz															
马达架 Motor support	MS03	镀锌钢 Galvanized steel															
机罩 Casing	CS05	玻璃钢 Fibreglass Reinforced Polyester															
水盆 Water Basin	WB06	玻璃钢 Fibreglass Reinforced Polyester															
洒水系统 Sprinkler System	SP08	塑料及塑料管 Polycarbonate &P.V.C.pipe															
隔水油 Eliminator	ET10	玻璃钢 F.R.P.															
入风支架 Air inlet support	AI11	塑料及塑料管 Polycarbonate &P.V.C.Mesh															
水塔支架 Tower support	TS12	玻璃钢 Fibreglass Reinforced Polyester															
喉管 Piping	PP14	塑料管 P.V.C.pipe															
胶片架 In-fil support	IS15	塑料及镀锌钢 Polycarbonate Poly&G.1.Steel															
胶片 In-fil	IF16	塑料片 P.V.C.Film															

Note:

1. Parameters according to : Inlet temp – T1= 37 Degree Celsius, outlet temp – T2= 32 Degree Celsius, wet bulb temp -WBT =27 Degree Celsius, temperature difference of cooling water- Ts= 5 Degree Celsius , atmospheric pressure -P= 99400Pa.
2. The above parameters are also suitable for standard ST series, LKT/SS series and high temperature type.