

干式冷却器

高效换热器 High efficiency heat exchanger

- 合理的设计在获得最大换热量的同时减少风扇能耗
- 合理的铜管设计减少介质在盘管重的降压（水为介质是最大压降为100KPa）
- 热力学及空气动力学设计软件在德国应用多年，得到市场的充分验证
- Capactiy designs for maximizing the heat transfer relative to the energy consumptiong of the fan
- Tube and tube coupling design for low pressure drop in the coli on the media sides(maximum 100KPa at water designing condition)
- Thermodynamics and aerodynamic design software application in Germany for many years, fully verify by the market

风扇 Fan

- 只选用低能耗风扇
- 合理的风扇喷嘴设计能够最大限度提高空气流动性并降低噪音
- 实践证明我们的风扇运行稳定、使用寿命长
- 电机防水防尘等级：IP54，绝缘等级：F
- Only low specific energy consumption fans
- Fan nozzle designs for maximum air flow and air throw
- Our fans from the word's leading manufacturer are practically proved to be reliable in operation and long lasting
- Motor:protection class IP54 and Insulation class F

我们是你通过HACCP认证的最佳帮手 We facilitate you to meet HACCP

- 帮助你们减少维护，提高产品使用寿命
- 优质镀锌钢板粉体涂装外壳
- 两侧加上侧板保护配管
- 合理的设计有利于户外安装
- 每个产品在31bar条件下进行检漏测试
- We facilitate you to have a long lasting and low maintainance operation
- Durable material and rigid enclosure with hard gloss powder coated finish
- Protective enclosure for both manifolds and U-bends
- Unit designs for outdoor installation
- 100% leakage tested at 31 bar

特殊加工

Optons

- 可根据客户要求设计使用不同介质的盘管，如水、油、乙二醇
- 多回路
- 过冷回路
- 不锈钢外壳或铝外壳
- 铝翅片或铜翅片
- 防爆电机
- 指定片距
- Coil design for refrigerantta:water,oil,glycol
- Multiple circuits
- Sub-cooling circuits
- Stainless steel or aluminium casing
- Coated aluminium or copper fins
- Explosion proof motor
- Customized fin spacing

工况条件 Catalogue

Rating Condition

- 相对湿度40%
- 大气压力1bar
- 20%乙二醇，水，设计环境温度35℃
- Relative Humidity 40%
- Atmosphere pressure 1 bar(sea level)
- 20% glycol,water,ambient temperature 35℃

平板干式冷却器

Type型号					D5/1.35	D6/1.3	D7/1.35	D9/1.45	D11/1.45	D13/1.45	D14/1.50	D17/1.50	D20/1.5	D28/1.63	D34/1.63	D41/1.63	D58/2.63	D68/2.63	D83/2.63	D106/3.63			
Capacity 换热量	Water 水	35 °C Out	inlet45°C /outlet 40 °C	△	Kw	4.89	5.9	6.83	9.39	10.99	13.33	14.32	17.01	19.8	28.09	33.62	41.21	58.15	68.48	82.96	105.68		
				Y					7.9	9.43	10.79	11.93	13.81	15.41	23.83	27.87	33.35	49.31	56.77	67.29	88		
	20% glycol 乙二醇	doo r tem	inlet45°C /outlet 40 °C	△		4.72	5.69	6.69	8.9	10.61	13.05	13.91	16.11	19.29	26.76	32.42	40.26	56.39	66.53	80.66	102.54		
				Y					7.49	9.09	10.57	11.63	13.44	15.03	22.71	26.9	32.61	47.84	55.2	65.48	85.44		
Medium 介质		Water Flow			m³/h	0.85	1.03	1.2	1.63	1.91	2.3	2.5	3	3.5	5	6	7.2	10	12	14.5	18.4		
		Pressure Drop			Kpa	36	31	58	25	40	80	50	60	40	50	46	82	85	73	49	70		
Air Flow 风量				△	m³/h	2828	2712	2492	6199	5827	5225	8469	8168	7601	190290	18289	16864	38056	36576	33728	54861		
				Y					4757	4475	4001	6506	6137	5578	14664	13945	12817	29327	27889	25633	41830		
Fan Motor 风扇电机				△	Phase	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3		
				Y					3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				△	W	175	175	175	540	540	540	830	830	830	2750	2750	2750	5500	5500	5500	8250		
				Y					380	380	380	550	550	550	1750	1750	1750	3500	3500	3500	5250		
				△	A	0.77	0.77	0.77	1.05	1.05	1.05	1.45	1.45	1.45	5.1	5.1	5.1	10.2	10.2	10.2	15.3		
				Y					0.68	0.68	0.68	0.97	0.97	0.97	3	3	3	6	6	6	9		
Fan 风扇					No. *φ	1*1*350	*1*35	1*1*350	1*1*450	1*1*450	1*1*450	1*1*500	1*1*500	1*1*500	1*1*630	1*1*630	1*1*630	2*1*630	2*1*630	2*1*630	3*1*630		
Sound Pressure Level 噪音				△	Db(A) 10m	31	31	31	43	43	43	49	49	49	59	59	59	61	61	61	63		
				Y					38	38	38	43	43	43	52	52	52	54	54	54	56		
Dimension 外形尺寸				L	mm	878	878	878	1028	1028	1028	1228	1228	1228	1528	1528	1528	2828	2828	2828	4128		
				W	mm	522	522	522	625	625	625	828	828	828	1032	1032	1032	1032	1032	1032	1032	1032	1032
				H	mm	752	752	752	796	796	796	876	876	876	920	920	920	920	920	920	920	920	920
Product Weight (empty) 重量					kg	38	42	48	55	60	67	75	82	91	132	138	156	237	261	303	379		
Inletφ 进口直径					mm	3/4"	3/4"	3/4"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"		
Oytletφ 出口直径					mm	3/4"	3/4"	3/4"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"		

V型干式冷却器

Type型号					V137/4.63	V159/4.63	V207/6.63	V251/6.63	V281/8.63	V339/8.63	V357/10.63	V418/1063		
Capacity 换热量	Water 水	35 °C Out	inlet45°C /outlet 40 °C	△	Kw	137.04	159	207.45	250.53	281.26	338.97	356.71	417.54	
				Y		113.77	132.4	172.18	203.19	234.34	254.32	297.03	338.28	
	20% glycol 乙二醇	doo r tem	inlet45°C /outlet 40 °C	△		132.38	154.1	201.3	243.43	271.58	331.95	347.05	407.18	
				Y		109.96	124.4	167.18	197.59	226.38	269.21	289.15	330.17	
Medium 介质	Water Flow			m³/h	23.8	27.7	36.7	43.6	49	59	62	72.6		
	Pressure Drop			Kpa	50	33	67	47	48	98	88	58		
Air Flow 风量				△	m³/h	73459	67857	110187	101772	146912	135690	183636	169620	
				Y		56051	51572	84075	61194	112096	103132	140115	128921	
Fan Motor 风扇电机				△	Phase	3	3	3	3	3	3	3	3	
				Y										
				△	W	11000	11000	16500	16500	22000	22000	27500	27500	
				Y		7000	7000	10500	10500	14000	14000	17500	17500	
				△	A	20.4	20.4	30.6	30.6	40.8	4080	51	51	
				Y		12	12	18	18	24	24	30	30	
Fan 风扇				No. * ϕ 630	2*2	2*2	2*3	2*3	2*4	2*4	2*5	2*5		
Sound Pressure Level 噪音				△	Db (A) 10m	64	64	66	66	67	67	68	68	
				Y		57	57	59	59	60	60	61	61	
Dimension 外形尺寸				L	mm	1970	1970	2820	2820	3670	3670	4520	4520	
				W	mm	2100	2100	2100	2100	2100	2100	2100	2100	2100
				H	mm	1960	1960	1960	1960	1960	1960	1960	1960	1960
Product Weight (empty) 重量				kg	640	760	920	1002	1210	1308	1420	1530		
Inlet ϕ 进口直径				mm	2*2"	2*2"	2*2-1/2"	2*2-1/2"	2*3"	2*3"	2*3"	2*4"		
Oytlet ϕ 出口直径				mm	2*2"	2*2"	2*2-1/2"	2*2-1/2"	2*3"	2*3"	2*3"	2*4"		

