

### **Design features:**

1. Original famous brand Semi-hermetic piston compressor adopted, features sufficient cooling;
2. Capacity, stable performance, and excellent quality;
3. Schneider brand electric components ensure the chiller unit running stably with long service time;
4. Equipped famous brand water pump, with large flow, high efficiency and durability;
5. Compact design, easy to install and operate, convenient to clean and maintenance;
6. High efficient shell and tube evaporator adopted, ensuring high cooling efficiency;
7. Aluminum fin condenser-air cooled type;
8. Shell and tube condenser-water-cooled type;
9. R22, R407C, R404A refrigerant for option;
10. 380V-415V/50Hz 3ph for standard design, Different design available on request.

### **Application:**

HTLT-A/W series low temperature chiller is specially designed by HERO-TECH, which is widely used in

## Воздушный чиллер

Автор: Administrator  
12.02.2018 07:50 -

Type			Technical date of low tem						
Model			CUM-3ACD	CUM-5ACD	CUM-6ACD	CUM-8ACD	CUM-10ACD	CUM-12ACD	
Normal cooling capacity	-10°C	Kcal/h	3.80	6.30	7.50	9.10	13.20	16.30	
	-20°C		1.90	3.00	4.00	6.00	7.10	8.00	
	-30°C		1.00	1.60	1.90	2.70	3.20	3.80	
	-35°C		0.67	1.04	1.50	2.30	2.80	3.00	
Evaporator	Style		Water tank plate tube/Shell and						
	Coolant water flow	-10°C	M <sup>3</sup> /H	0.65	1.10	1.30	1.60	2.30	2.80
		-20°C		0.33	0.52	0.69	1.10	1.23	1.30
		-30°C		0.17	0.28	0.33	0.47	0.55	0.60
		-35°C		0.12	0.18	0.26	0.40	0.48	0.50
Pipe connection		inch	1	1	1	1-1/2	1-1/2	1-1/2	
Input power		KW	3.18	4.86	5.61	7.25	9.4	10.0	
Power source			3PH/380V						
Refrigerant	Type		R22/R407C						
	Control		Thermostatic expansion valve						
compressor	Type		Hermetic scroll						
	Motor power	KW	2.25	3.75	4.5	6	7.5	9	
Condenset	Type	HP	Big volume&low noise axilfan+hot gas						
Pump	Type	HP	0.5	1	1	1	1	1	
	Max.head	m	18	18	18	18	18	18	
Safety device			Inner thermostat for compressor motor,unit over current protection switch,freeze protection thermostat,reverse phase protection thermostat,flow switch.						
Measure	L	mm	930	860	860	1300	1530	1530	
	W	mm	520	720	720	700	780	760	
	H	mm	980	1200	1200	700	1470	1470	
Machine weight		kg	135	175	210	310	450	530	

### Notice:

1.Refrigerating capacity is based on:the cooling air in and out of the 45°C and 40°C /(condensation temperature 45°C)

Under -10°C :Freezing liquid temperature under -5°C/-10°C (Evaporating temperature -15°C),should plus 10% capacity

Under -20°C :Freezing liquid temperature under -15°C/-20°C (Evaporating temperature -25°C),should plus 15% capacity

Under -30°C :Freezing liquid temperature under -25°C/-30°C (Evaporating temperature -35°C),should plus 20% capacity

Under -35°C :Freezing liquid temperature under -30°C/-35°C (Evaporating temperature -40°C),should plus 25% capacity

2.Please indicate if there should replace the antifreeze,in order to suit the evaporator accordingly.

## **Воздушный чиллер**

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3.Specification and dimension for product improvement may change without prior notice.