

Box Type Water-cooled Chiller

Introduction

It is manufactured by modern advanced technology with excellent quality and beautiful appearance. Cooling capacity from 12,520Kcal/hr to 250,000Kcal/hr (50HP-100HP). It can be widely used in chemical, food, plastic, electroplating, concrete mixing plant, laser, printing, circuit board and other industrial chilled water fields.

Evaporator

The inner surface of the copper tube is threaded, the copper tube has a smooth appearance and good cooling effect. The evaporator tube is insulated with 26mm thick PE insulation board. No dew, less cold loss.

Condenser

The copper pipe imported from Germany and Japan is processed into trapezoidal low rib pipe, which has better heat transfer ability. Copper tube inside the table is smooth. Making the water pressure lower, easy to clean and maintain.

Box Plate

The box plate of the fully enclosed chiller set is precision made by CNC punching machine and painted with electrostatic powder, which is luxurious and beautiful in appearance and has good sound insulation effect.



SPECIFICATION

Model		EAC-05W	EAC-08W	EAC-10W	EAC-12W	EAC-15W	EAC-20W	EAC-25W	EAC-30W	EAC-40W	EAC-50W
Power supply		3φ-50Hz-380V(208-230V, 380-420V, 440-480V, 50Hz or 60Hz, 3 phase)									
Cooling capacity	kw	15.9	26.3	31.9	39.4	47.6	66.8	78.8	98.7	133.6	157.6
	TONS	4.52	7.48	9.07	11.20	13.53	18.99	22.41	28.06	37.99	44.81
	Kcal/h	13670	22610	27430	33900	40940	57450	67800	84880	114900	135700
Power consumption	kw	4.3	6.75	8.25	10.5	12	17.2	20.2	24.5	34	41.5
Running current	A	8.3	13	15.9	20.3	23.2	33.2	38.9	47.3	65.6	80
Freeze water flow	m ³ /h	2.7	4.4	5.3	6.6	7.9	11.1	13.2	16.7	22.2	26.4
Cooling water flow	m ³ /h	3.2	5.3	6.4	7.9	9.2	13.3	15.8	20	26.6	31.6
Compressor	Type	Scroll/piston									
	Input Power (kw)	3.75	6	7.5	9	10.5	15	18	22.5	30	37.5
Pump	Power (kw)	0.55	0.75	0.75	1.5	1.5	2.2	2.2	2.2	4	4
Refrigerant	Type	R22, R134a, R407c, R410a									
	Control method	External balanced thermostatic expansion valve									
	Filling volume (kg)	2.8	4.4	5.5	6.6	8.5	11	13	16	22	26
Evaporator	Type	Shell and tube, Plate, Coil in Tank									
	Pipe diameter (in)	1"	1-1/2"	2"			2-1/2"		3"		
Condenser	Type	Shell and tube, Plate, Coil in Tank									
	Pipe diameter (in)	1"	1-1/2"	2"			2-1/2"		3"		
Safety protector		Dual pressure switch, frost-proof protection, soluble pin/safety valve, overload protective device, coil over-heating protection system, temperature automatic protection switch.									
Dimension	Length (mm)	1000	1200	1300	1400	1400	1700	1700	2100	2100	2100
	Width (mm)	600	630	630	700	750	800	900	900	1100	1100
	Height (mm)	1150	1300	1350	1300	1420	1500	1500	1380	1430	1430
Weight (kg)		170	290	310	370	520	630	680	850	900	1050

1. Testing result under above conditions: inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 30°C/35°C.

2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements before placing an order.