

Box Type Air-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 field.

Evaporators

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 condenser is equipped with high-efficiency cross-seam fins and internally threaded copper tubes for high heat exchange efficiency and stability.

Box Plate

The box plate of the fully enclosed chiller set is precision machined 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-02A	EAC-03A	EAC-05A	EAC-08A	EAC-10A	EAC-15A	EAC-20A	EAC-25A	EAC-30A	EAC-40A	EAC-50A
Power supply		3φ-50Hz-380V(208-230V, 380-420V, 440-480V, 50Hz or 60Hz, 3phase)										
Cooling capacity	kw	5.6	8.3	13.6	20.5	28.5	40.5	58.8	71.5	88.2	115.6	135.6
	TONS	1.59	2.36	3.87	5.83	8.10	11.52	16.72	20.33	25.08	32.87	38.56
	Kcal/h	4820	7140	11690	17630	24510	34830	50600	61490	75900	99420	116620
Power consumption	kw	2.3	2.95	4.8	7.75	9.35	14.1	18.4	21.7	26.9	37	45.5
Running current	A	4.6	5.7	9.5	14.9	18.1	27.2	35.5	41.9	51.9	71.4	87.8
Freeze water flow	m ³ /h	1	1.5	2.4	4	4.8	7.8	10.8	12.6	15	20.3	25.5
Compressor	Type	Scroll										
	Input Power (kw)	1.4	2.2	3.75	6	7.5	11.25	15	18	22.5	30	37.5
Pump	Power (kw)	0.37	0.37	0.55	0.75	0.75	1.5	1.5	2.2	2.2	4	4
Refrigerant	Type	R22, R134a, R407c, R410a										
	Control method	External balanced thermostatic expansion valve										
	Filling volume (kg)	2	2	3	5	6	8	12	13	16	22	28
Evaporator	Type	Shell and tube, Plate, Coil in Tank										
	Pipe diameter (in)	1"	1"		1-1/2"		2"		2-1/2"		3"	
Condenser	Type	High efficient Finned Copper Tank										
Fan	Type	Axial-flow Fan										
	Air volume (m ³ /h)	2000	3000	5000	8000	10000	15000	20000	25000	30000	40000	50000
	Power	0.37	0.28	0.36	0.55	1.1	1.35	1.5	1.5	2.2	3	4.4
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)	750	1020	1125	1200	1300	1600	1900	1900	2200	2300	2500
	Width (mm)	500	540	640	740	780	900	990	990	1110	1110	1210
	Height (mm)	1200	1030	1250	1320	1530	1640	1660	1860	1890	2260	2260
Weight (kg)		130	130	170	370	400	540	760	810	980	1210	1350

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