

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		EAC05AS	EAC08AS	EAC10AS	EAC12AS	EAC15AS	EAC20AS	EAC25AS	EAC30AS	EAC40AS	EAC50AS
Nominal Cooling Capacity	kW	13.6	20.5	25	31	38	50	62	78	93	114
	USRT	3.9	5.8	7.1	8.8	10.8	14.2	17.6	21.6	26.4	32.4
Compressor Input Power (kW)		3.7	6	8	10	12	16	20	24	30	36
Energy Control (%)		0-100					0-25-50-100			0-33-66-100	
Refrigerant Type		R407C									
Condenser	Type	Copper Tube With Corrugated Aluminum Fins									
	Air Volume (x1000m ³ /h)	5	8	14.5	14.5	20	29	29	40	43.5	60
	Power (kW x Unit)	0.36x1	0.55x1	1.2x1	1.2x1	2.0x1	1.2x2	1.2x2	2.0x2	1.2x3	2.0x3
Evaporator	Inlet Pipe Diameter (in)	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"
	Water Flow (m ³ /h)	2	3	4	5	7	9	11	13	16	20
	Water Side Max. Pressure (Mpa)	1	1	1	1	1	1	1	1	1	1
	Water Pressure Drop (KPa)	15	20	23	28	30	28	26	32	32	31
Running Noise dB (A)		60	60	63	64	65	66	67	68	69	70
Shipping Weight (Kg)		170	370	400	450	540	780	800	1000	1200	1350

1. Nominal Cooling Capacity Reference: Evaporator Inlet And Outlet Water Temperature 12°C/7°C, Condenser Inlet And Outlet Water Temperature 30°C/35°C, Fouling Factor 0.018m²·°C/kW, Chiller Condensation Temperature 50°C

2. Chilled Water Temperature Range: 5-20°C

3. Cooling Water Temperature Range: 15-40°C