

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		EAC8W	EAC10W	EAC13W	EAC15W	EAC20W	EAC25W	EAC30W	EAC40W
Nominal Cooling Capacity	kW	28	35	43	56	70	86	105	129
	USRT	8	9.9	12.2	15.9	19.9	24.4	30	36.8
Compressor Input Power (kW)		6	8	10	13	15	19	23	29
Energy Control (%)		0 100			0 50 100			0 33 66 100	
Refrigerant Type		R407C							
Condenser	Diameter Of Inlet & Outlet Pipes (In)	1-1/2"	2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"
	Water Flow (m3/h)	6	7	9	12	15	18	22	27
	Water Side Max. Pressure (Mpa)	1	1	1	1	1	1	1	1
	Water Pressure Drop (KPa)	29	31	41	56	58	58	55	56
Evaporator	Diameter Of Inlet & Outlet Pipes (In)	1-1/2"	2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"
	Water Flow (m3/h)	5	6	7	10	12	15	18	22
	Water Side Max. Pressure (Mpa)	1	1	1	1	1	1	1	1
	Water Pressure Drop (KPa)	23	28	30	26	28	32	32	31
Running Noise dB (A)		60	61	62	63	64	65	66	67
Weight (Kg)		260	300	390	470	520	690	850	1030

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