

Water-cooled double compressor

Screw Water Chiller

Compressor

The water-cooled screw chillers are all made of famous brand semi-hermetic screw compressor. Its 5:6 super efficient screw rotor design, 20-30% more efficient than the average compressor. It has the advantages of smooth and reliable operation, high efficiency, low failure rate and easy maintenance. The compressor can automatically alternate operation according to load changes, balancing the running hour of each compressor, really extending the service life of the chiller unit, trouble-free operation up to 45000 hour, or more

Energy-efficient Condensers and Evaporator

The condenser adopts German and Japanese original copper tubes, which are processed into trapezoidal low-rib tubes to enhance heat transfer capacity. The inner surface of the copper tube becomes smooth so that the water pressure is reduced and easy to clean and maintain. The Evaporator adopts a reinforced copper tube with inner and outer threads, the copper tube has good cooling effect. The evaporator barrels insulated with a 25mm thick PE insulation board. No condensation and less cooling loss

SPESIFICATION

Model		EAC320D	EAC360D	EAC400D	EAC480D	EAC540D
Nominal Cooling Capacity	kW	1111	1230	1382	1610	1886
	USRT	316	350	393	458	536
Compressor Input Power (kW)		204	230	256	292	344
Capacity Control (%)		0 25 37.5 50 62.5 75 87.5 100				
Refrigerant Charge (Kg)		228	252	281	326	383
Refrigerant Type		R407C				
Condenser	Inlet Connection Size	6"	8"	8"	8"	8"
	Water Flow (m ³ /h)	228	251	282	327	383
	Water Side Max. Pressure (Mpa)	1	1	1	1	1
	Water Pressure Drop (KPa)	56	56	58	58	73
Evaporator	Inlet Connection Size	6"	8"	8"	8"	8"
	Water Flow (m ³ /h)	191	212	238	277	324
	Water Side Max. Pressure (Mpa)	1	1	1	1	1
	Water Pressure Drop (KPa)	70	70	72	73	88
Operating Noise dB (A)		82	82	83	83	84
Shipping Weight (Kg)		4820	5620	5810	5880	6970
Operating Weight (Kg)		5450	6170	6260	6440	11190



Screw Water Chiller SPECIFICATION

Model		EAC600D	EAC680D	EAC870D	EAC1000D	EAC1500D
Nominal Cooling Capacity	kW	2128	2398	3072	3564	5346
	USRT	605	882	873	1013	1520
Compressor Input Power (kW)		390	438	544	626	939
Capacity Control (%)		0 25 37.5 50 62.5 75 87.5 100				
Refrigerant Charge (Kg)		432	527	621	714	1071
Refrigerant Type		R407C				
Condenser	Inlet Connection Size	10"	10"	12"	14"	18"
	Water Flow (m ³ /h)	433	468	622	721	1081
	Water Side Max. Pressure (Mpa)	1	1	1	1	1
	Water Pressure Drop (KPa)	76	79	80	81	85
Evaporator	Inlet Connection Size	10"	10"	10"	12"	16"
	Water Flow (m ³ /h)	366	412	528	613	919
	Water Side Max. Pressure (Mpa)	1	1	1	1	1
	Water Pressure Drop (KPa)	91	94	95	96	96
Operating Noise dB (A)		84	85	86	87	88
Shipping Weight (Kg)		10350	12820	15850	16720	20000
Operating Weight (Kg)		11770	14450	17910	18960	22000

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