

Water-cooled single 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, greatly 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

SPECIFICATION

Model		EAC-60D	EAC-80D	EAC-100D	EAC-120D	EAC-160D	EAC-180D	EAC-200D
Power supply		3 ϕ -50Hz-380v(220V/400V/460V)						
Cooling capacity	kw	216	290	346	396	520	586	670
	TONS	61.42	82.46	98.38	112.60	147.85	166.62	190.50
	Kcal/h	185760	249400	297560	340560	447200	503960	576200
Power consumption	kw	41	55.8	66.5	76.2	102.5	113	130.3
Freeze water flow	m ³ /h	35	48	58	65	90	98	115
Cooling water flow	m ³ /h	43	59	70	80	106	122	138
Compressor	Type	Screw						
	Start method	Y- Δ start						
	Quantity (pcs)	2						
	Volume control (%)	0-100(8 levels volume control)						
	Input Power (kw)	44	60	72	82	112	122	140
Refrigerating oil	Type	SUNISO-4GS						
	Filling volume (L)	14		16		24	32	32
Refrigerant	Type	R22, R134a, R407c						
	Control method	External balanced thermostatic expansion valve						
	Filling volume (kg)	34	42	52	60	80	94	103
Evaporator	Type	Shell and tube						
	Pipe diameter (in)	3"	4"			5"		6"
Condenser	Type	Shell and tube						
	Pipe diameter (in)	6"			8"			
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)	2900	3050	3050	3200	3200	3350	3350
	Width (mm)	1100	1100	1150	1150	1200	1200	1300
	Height (mm)	1500	1500	1650	1650	1760	1760	1850
Weight (kg)		1860	2000	2250	2550	3050	3300	3500

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



Screw Water Chiller SPECIFICATION

Model		EAC-240D	EAC-300D	EAC-360D	EAC-400D	EAC-440D	EAC-480D	EAC-520D
Power supply		3φ-50Hz-380v(220V/400V/460V)						
Cooling capacity	kw	818	960	1145	1276	1430	1610	1732
	TONS	232.58	272.96	325.56	362.81	406.60	457.78	492.47
	Kcal/h	703480	825600	984700	1097360	1229800	1384600	1489520
Power consumption	kw	158	186	222	243	274.2	309	33
Freeze water flow	m ³ /h	135	165	188	212	242	268	290
Cooling water flow	m ³ /h	163	202	230	258	295	32	352
Compressor	Type	Screw						
	Start method	Y-Δstart						
	Quantity (pcs)	2						
	Volume control (%)	0-100(8 levels volume control)						
	Input Power (kw)	170	200	238	264	296	334	360
Refrigerating oil	Type	SUNISO-4GS						
	Filling volume (L)	32	36	46	46	56	56	56
Refrigerant	Type	R22, R134a, R407c						
	Control method	External balanced thermostatic expansion valve						
	Filling volume (kg)	126	150	180	206	230	244	260
Evaporator	Type	Shell and tube						
	Pipe diameter (in)	8"		12"			16"	
Condenser	Type	Shell and tube						
	Pipe diameter (in)	10"		12"			16"	
Safty 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)	3600	3850	3850	4000	4000	4350	4350
	Width (mm)	1300	1300	1300	1420	1420	1420	1420
	Height (mm)	1850	1850	1960	1960	2080	2080	2080
Weight (kg)		3850	4500	5360	5530	5600	5850	6280

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

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