

Water-cooled

# -5°C Low-Temperature Screw Chiller

## Introduction

It adopts the internationally famous brand of Taiwan Hanbell and BITZER screw compressor, and condenser is made of high quality and high efficiency copper tube. it can work perfectly with glycol or salt water

## Compressor

1. The compressor adopts the international brand new high-efficiency screw type rotary compressor, which is 20-30% more energy efficient than the general compressor
2. It has obtained patents from many countries in Europe and America, and has passed the IOS9001:2000 international quality certification
3. Efficient 5:6 patent asymmetrical gear shape
4. Capacity control can be four-stage (100%-75%-50%-25%) or three-stage (100%-66%-33%) and non-stage control system
5. The combination design of 11 bearings and a type axial thrust balancing drum greatly increases the bearing life by 2.5-3.5 times
6. All round compressor capacity ratio (V1-2.2/2.6/3.0/3.5) can be selected, which can effectively avoid additional energy consumption due to compressor overload or in insufficient compressor pressure

## SPEIFICATION

Model	EAC-30WL	EAC-40WL	EAC-50WL	EAC-60WL	EAC-70WL	EAC-80WL	EAC-90WL	EAC-100WL	EAC-110WL		
Power supply	3-50Hz-380v (220V/400V/460V)										
Cooling capacity	kw	62.3	86.6	113.6	123.8	156.9	165.6	195.1	206.2	225.6	
	TONS	17.71	24.62	32.30	35.20	44.61	47.09	55.47	58.63	64.15	
	Kcal/h	53580	74780	97690	106470	134930	142420	167790	177330	194020	
Running current	A	38.4	51.9	66.8	72.1	91.7	95.3	106.9	111.9	122.5	
Power consumption	kw	22.1	29.8	37.7	41.4	51.9	54.9	61.8	65	70.9	
Freeze water flow	m <sup>3</sup> /h	11.8	16.7	22.1	25.3	32.5	35.3	42	45	49	
Cooling water flow	m <sup>3</sup> /h	22	29	35	40	48	55	62	68	75	
Compressor	Type	Semi-hermetic screw									
	Start Method	Y- <sup>Δ</sup> start									
	Quantity (pcs)	1									
	Volume Control (%)	0,33,66,100 OR 0,25,50,100									
	Input power (kw)	22.1	29.8	37.7	41.4	51.9	54.9	61.8	65	70.9	
Refrigerating oil	Type	SUNISO-4GS									
	Filling volume (L)	7	7	7	8	12	16	16	16	18	
Refrigerant	Type	R22, R134a, R407c									
	Control method	External balanced thermostatic expansion valve									
	Filling volume (kg)	18	24	30	36	42	48	54	60	66	
Evaporator	Type	Shell and tube									
	Pipe diameter (in)	2-1/2"		3"			4"		5"		
Condenser	Type	Shell and tube									
	Pipe diameter (in)	2-1/2"		3"			4"		5"		
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)	2250	2300	2500	2500	2600	2800	2800	3050	3050	
	Width (mm)	800	800	800	800	850	850	850	900	1050	
	Height (mm)	1450	1450	1550	1500	1700	1700	1800	1800	1850	
Weight (kg)	980	1010	1200	1350	1540	1680	1800	1920	2030		

1. Testing result under above conditions: inlet/outlet chilled water temperature 7°C/-5°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

# -5°C Low-Temperature Screw Chiller

## SPECIFICATION



Model		EAC-120WL	EAC-130WL	EAC-150WL	EAC-160WL	EAC-180WL	EAC-200WL	EAC-240WL	EAC-260WL	EAC-300WL
Power supply		3-50Hz-380v (220V/400V/460V)								
Cooling capacity	kw	244.1	267.3	318	335.8	398.1	413.5	481.5	528.8	636.4
	TONS	69.41	76.00	90.42	95.48	113.19	117.57	136.91	150.36	180.95
	Kcal/h	209930	229880	273480	288790	342370	355610	414090	454770	547310
Running current	A	131.3	148.2	172	181.7	211.9	218.6	251.9	279.4	333.7
Power consumption	kw	76.5	86.6	66.8	72.1	91.7	95.3	106.9	111.9	122.5
Freeze water flow	m <sup>3</sup> /h	53	58	65	69	75	84	102	111	129
Cooling water flow	m <sup>3</sup> /h	82	89	98	101	113	120	151	161	182
Compressor	Type	Semi-hermetic screw								
	Start Method	Y-start								
	Quantity (pcs)	1								
	Volume Control (%)	0,33,66,100 OR 0,25,50,100								
	Input power (kw)	76.5	86.8	100.8	106.4	124.1	128.1	147.6	163.7	195.5
Refrigerating oil	Type	SUNISO-4GS								
	Filling volume (L)	18	18	23	24	24	28	32	32	36
Refrigerating	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
	Filling volume (kg)	62	66	75	80	92	103	121	126	150
Evaporator	Type	Shell and tube								
	Pipe diameter (in)	5"			6"			8"		
Condenser	Type	Shell and tube								
	Pipe diameter (in)	5"			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)	3050	3150	3150	3150	3300	3350	3350	3350	3500
	Width (mm)	1060	1060	1060	1108	1150	1150	1200	1200	1200
	Height (mm)	1700	1700	1700	1700	1700	1700	1700	1700	1750
Weight (kg)		2380	2520	2670	2680	2860	3050	3360	3580	3890

1. Testing result under above conditions: inlet/outlet chilled water temperature 7°C/5°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.