

Air-cooled Screw Water Chiller

Introduction

It adopts the internationally famous brand of Taiwan Hanbell and BITZER screw compressors, and condenser is made of high quality and high efficiency copper tube. The evaporator and world famous brand spareparts make the unit have the advantages of small volume, low noise, high energy, long service life and simple operation. With its beautiful design and consistent high performance, it is the best its class

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 to compressor overload or insufficient compressor pressure

SPEISIFICATION

Model		EAC-30AS	EAC-40AS	EAC-50AS	EAC-60AS	EAC-70AS	EAC-80AS	EAC-90tAS	EAC-100AS	EAC-110AS
Power supply		208-230V, 380-420V, 440-480V, 50Hz or 60Hz, 3phase								
Cooling capacity	kw	87.2	113.6	135.5	168.9	196	221	251	268	302
	TONS	24.79	32.30	38.53	48.02	55.73	62.84	71.37	76.20	85.87
	Kcal/h	74990	97680	116520	145250	168560	190060	215860	230480	259720
Power consumption	kw	24.8	33.7	41.5	45.2	57.4	62	69	72.5	83.6
Running current	A	41	56.5	69.6	75.9	96.5	86.7	116.2	122	111.3
Freeze water flow	m ³ /h	15	19.6	24.2	29	35	40	45	50.2	53.8
Compressor	Type	Semi-hermetic screw type								
	Start Method	Y-start								
	Volume control	0,33,66,100 OR 0,25,50,100 OR Stepless								
	Input Power (kw)	23.3	30.7	38.5	42.2	51.4	56	63	66.3	73
Refrigerating oil	Type	HBR-A01								
	Filling volume (L)	7	7	8	12	16	16	16	16	18
Refrigerating	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
Evaporator	Filling volume (kg)	16	22	27	32	36	42	46	52	56
	Type	Shell and tube								
Condenser	Pipe diameter (in)	DN65	DN80	DN80	DN80	DN80	DN100	DN100	DN100	DN125
	Type	Effective Finned Copper Tube +Low Noise Axial Fans								
	Air cooling volume (m ³ /h)	28000	36000	45000	5500	63000	74000	83000	92000	102000
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)	2270	2270	2500	2200	2200	3050	3100	3150	3150
	Width (mm)	1130	1130	1210	2070	2070	2070	2050	2050	2050
	Height (mm)	2220	2240	2250	2250	2270	2290	2100	2100	2100
Weight (kg)	920		1120	1350	1560	1780	1920	2230	2450	2720
1. Testing result under above conditions: inlet/outlet chilled water temperature 12°C/7°C, inlet/outlet cooling water temperature 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

SPESIFICATION



Model		EAC-120AS	EAC-130AS	EAC-150AS	EAC-160AS	EAC-180AS	EAC-200AS	EAC-240AS	EAC-260AS	EAC-300AS
Power supply		208-230V, 380-420V, 440-480V, 50Hz or 60Hz, 3phase								
Cooling capacity	kw	329	338	406	433	506	557	672	730	842
	TONS	93.55	96.10	115.44	123.12	143.87	158.37	191.07	207.56	239.41
	Kcal/h	282940	290680	349160	372380	435160	479020	577920	627800	724120
Power consumption	kw	149	169	195.1	204.8	240	247.5	282	309.4	364.5
Running current	A	88.6	100.5	114.8	120.5	141.6	145.6	165.5	182	214.4
Freeze water flow	m ³ /h	59	65	74	79	90	101	119	130	152
Compressor	Type	Semi-hermetic screw type								
	Start Method	Y- Δ start								
	Volume control	0,33,66,100 OR 0,25,50,100 OR Stepless								
	Input Power (kw)	79.6	88.5	102.8	108.5	126.6	130.6	150.5	167	199.4
Refrigerating oil	Type	HBR-A01								
	Filling volume (L)	18	18	23	24	24	28	32	32	36
Refrigerant	Type	R22, R134a, R407c								
	Control method	External balanced thermostatic expansion valve								
Evaporator	Filling volume (kg)	62	66	75	80	92	103	121	126	150
	Type	Shell and tube								
Condenser	Pipe diameter (in)	DN1250			DN150			DN200		
	Type	Effective Finned Copper Tube +Low Noise Axial Fans								
	Air cooling volume (m ³ /h)	112000	122000	141000	150000	169000	189000	223000	245000	285000
Safty protector		Dual pressure switch, frost-proof protection, soluble pin/safety valve, overload protective device, coil over-heating								
Dimension	Length (mm)	3500	3800	4120	4250	4680	4680	5230	5630	6550
	Width (mm)	2100	2100	2100	2100	2100	2100	2100	2100	2210
	Height (mm)	2120	2120	2120	2120	2120	2120	2120	2120	2150
Weight (kg)		3050	3360	3670	3550	4120	4230	4650	5570	7420
1. Testing result under above conditions: inlet/outlet chilled water temperature 12 ^o C/7 ^o C, inlet/outlet cooling water temperature 35 ^o										
2. The above parameters will be updated continuously. If you need a custom service, please send your technical requirements befor placing an order										