



High performance and reliability refrigeration Chillers with heat exchangers in medical industry to cool equipment

Chillers are machines that utilize a refrigeration cycle to remove heat from various liquids and release it into the atmosphere. The next step in the chilling process involves directing the chilled liquid, or coolant, to a heat exchanger to cool air, process equipment, or another liquid. Chillers come in a wide range of designs and sizes. For smaller applications, chillers may be manufactured as localized, small, or portable units. Alternatively, large chillers can be designed to keep entire facilities cool.

1. Air-cooled screw chillers Compressors using international brands(Bizter,Hanbell), new high-performance screw-rotor compressor, compressor performance than the average 20% -30%
3. Capacity control can be four-stage (100% -75% -50% -25%) or three-stage (100-66% -33%) and stepless control system.
4. Air-cooled screw chiller with 11 bearings and axial thrust balance a-a combination of design, a substantial increase in bearing life 2.5-3.5 times.
5. The use of high-efficiency silicon steel sheet special groove design, and is equipped with internal and external omnidirectional design cooling flow to the compressor motor in any load can play a high efficiency.
6. Unique built-in hydraulic system, no need to ensure that the oil pump compressor lubrication to maintain oil separation using double-layer filter, oil filter effect is good, the heat exchanger can play.
7. High efficiency, low noise, low vibration.
8. A variety of refrigerants to choose from, in addition to R22 refrigerant, you can also use R134a, R407c and other environmentally friendly refrigerant.
9. Compressor capacity ratio (VI = 2.2 / 2.6 / 3.0 / 3.5) can be selected to avoid additional energy consumption due to over-compressor or compressor shortage.

If you have any requirements, pls feel free to let me know. we must give you a best offer.

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Air Cooled Screw Chiller Middle Temperature Series(Single System)

Model			MG-30C	MG-40C	MG-50C	MG-60C	MG-80C	MG-100C	MG-120C	MG-150C	MG-180C
Cooling capacity	0°C	kw	57	79	103	110	148	184	223	292	342
	-5°C	kw	46	64	85	93	124	155	183	240	278
	-10°C	kw	37	51	69	75	101	125	149	195	225
Power supply			3PH-380V-50Hz								
Refrigerant	Type		R22								
	Control		Thermostatic expansion valve								
Compressor	Type		Semi-hermetic screw								
	Power(kw)		25	34	43	47	62	76	88	113	133
	Start		Y-△								
	Capacity control		25%-50%-75%-100%								
Evaporator	Type		Shell and tube								
	Water flow(m³/h)	0°C	11	15	20	21	28	35	42	55	65
		-5°C	9	12	17	18	24	30	36	47	54
		-10°C	7	10	14	15	20	25	30	39	45
Dia.of inlet/outlet(inch)		DN65	DN65	DN80	DN80	DN80	DN80	DN80	DN100	DN100	
Condenser	Type		Inner screw copper tube aluminum plate fins								
	Air cooling flow(m³/h)		30000	40000	50000	60000	70000	100000	120000	150000	180000
Protection System			Compressor overheat protection, high/low pressure protection, phase missing/sequence protection, flow rate protection, anti-frozen protection.								
Dimension	L	mm	2350	3200	3200	3300	3300	4400	3850	4750	5850
	W	mm	1450	1450	1450	2300	2300	2300	2200	2200	2200
	H	mm	2150	2150	2150	2400	2400	2400	2350	2450	2450
Weight(kg)			1800	1900	2300	2480	3200	3800	3300	4000	5000

160P Chiller picture

