

MAGNETIC LEVITATION AIR CONDITIONING EQUIPMENT



 **BSE-JTR**

WHO ARE WE?

We Provide customers HVAC Equipment with the best selection plan, reasonable system configuration, and professional technical consulting and support. Our factory fully implementing modern management, has a professional technical development team and high-quality production, quality, environmental management team, The management team are from the world top 500 enterprises. We also have advanced production equipments and testing equipments, so we basically achieve the management standardization, modernization of production, professional of product testing and comprehensive quality and environmental management system.

TIMELINE



MAGNETIC LEVITATION AIR CONDITIONING EQUIPMENT

Wherever a large-scale refrigeration equipment is applied for, a hotel, a business center, an office building, a school, a hospital, a university or a factory, its characteristics of saving energy, safety, stability and being adaptable to the environment are always the key pointed to be measured. BSE has developed the Magnetic Levitation Central Air Conditioning Equipment family products by especially taking the factors above mentioned into consideration.

The core technology for the whole family products is the revolutionary magnetic levitation oil-free centrifugal compressor. The compressor is employed with a magnetic levitation shifting bearing that works without mechanical wear and decreases the risk of failure. The equipment is free of the lubricant, which greatly reduce the workload of its maintenance and the cost of its operation.

The integrated technology enables to lower the start-up current, and automatically adjust the quantity of refrigeration through the frequency conversion technology to adapt present requirement of refrigeration. BSE's products has reached the highest energy efficiency, and, in particular, the partial load efficiency of the machine's actual operating point has reached an advanced level in the whole industry.



QUESTCHILLER™

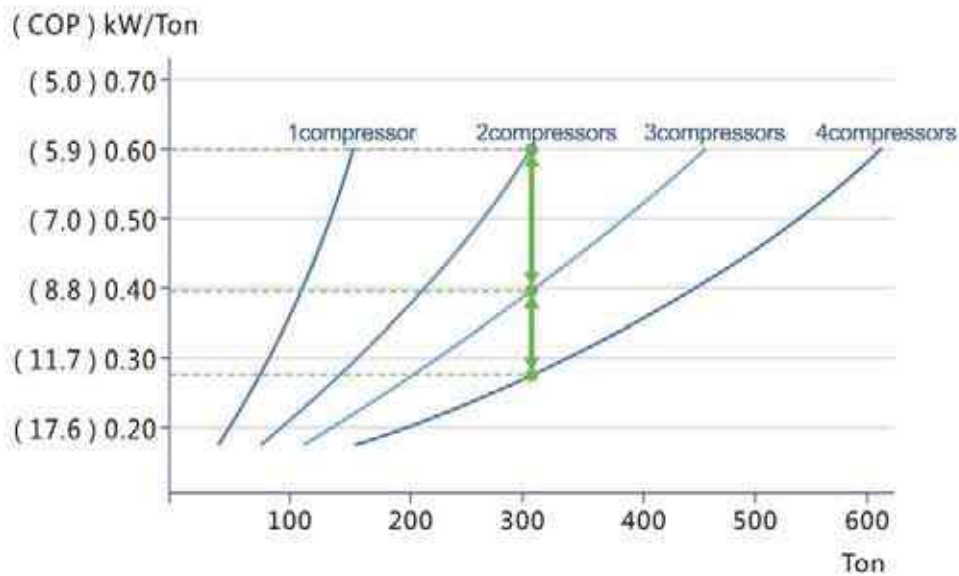
BSE QUESTCHILLER™ family chillers are the oil-free, variable frequency and centrifugal water-cooled chillers, including three series of Q1, Q2, and Q3 with both a vertical structure and a horizontal structure and a cooling capacity covering 300kW (85RT) to 4925kW (1400RT).



QUESTCHILLER™ family chillers are the combinations of the most advanced technologies in the world, which allows a new height of the chiller's efficiency. The products are the new generations of the chillers with a distinguished operational efficiency and reliability without obvious reduction in performance. That could be widely used in the newly-built and reconstructed public architectures, such as the guesthouses, the hotels, the schools, the shopping malls and the office buildings etc, or also be used in the industrial cooling and industrial environment control, such as the factory buildings and industrial laboratories.

QUESTCHILLER™ family chillers have the following characteristics:

- Oil-Free VFD centrifugal compressor
- Super high IPLV and COP
- R134a refrigerants, no harm to the ozone
- Oil-Free, an absolute solution to the oil-return problem and a great improvement to the reduction of the cooling capacity
- Low noise and small vibration
- PAC programmable auto-controller
- Small size and light weight
- Tiny start-up current with no strike to the electronic grids
- Intelligent alarming and failures handling



Sketch Map of Multi Compressors Parallel Operation

Main Application

Comfortable application :

the public architecture for business, the office buildings, the hotels, the schools, the hospitals, the transportations, the rail stations, the ship station and the airports, etc.

Process applications :

the industrial air-conditioning environments, the testing workshops, the purification workshop, the data centers, the printing houses, the boats, the agricultural environments, the surface treatment industries, and the textile industries.

	Ultra low operating cost	Partload efficiency advantage	Operating reliability	Accurate control of indoor environment	Small size and small footprint	Low starting current and high power factor	Low noise and low vibration	Low cooling water temperature operation
Hotels	●	●	●		●	●	●	●
Hospitals	●	●	●			●	●	●
Urban Complex	●	●	●		●		●	●
Process Cooling	●	●	●	●		●	●	●
Agricultural Food	●	●	●	●				●
Surface Treatment Industries	●	●	●	●				●
Textile Industries	●	●	●	●				●

Quest Chiller Reference Projects



Xijiao State Guesthouse



Zhangjiagang Akcome Building



Suzhou Jinfeng International
Business Square



Suzhou Science and Technology
City Hospital

I-CHILLER™

BSE I-CHILLER™ Family Oil-Free VFD Centrifugal Modular Unit Chiller/Heat are your smart choices now and in the future. The chiller is in the design of 250kw(71RT)-4200kw(1200RT) and uniform measure of 0.89m(W)x1.2m(L)x1.8m(H).

I-CHILLER™ Modular Units is oil-free, frequency conversion centrifugal chillers/heat pumps in modular units that are applied with all digital oil-free centrifugal compressors. Combined with the high-efficient plate exchanger and the powerful PAC controller, it allows a 40% improvement of the annual operational efficiency than that of the traditional chillers. The single unit only occupies a footprint of 1m² with a tiny height of 1.8m and a weight of 1 ton. They are currently the chillers that are the smallest in volume, the lightest in weight, and the least needs in refrigerant charge in the world when outputting the same cold energy.

BSE I-CHILLER™ Family Oil-Free Variable Centrifugal Modular Unit Chillers/Heat Pumps have the following characteristics :

- i) Small size and light weight
- ii) Low noise and small vibration
- iii) Oil-Free VFD centrifugal compressor
- iv) Intelligent alarming and failures handing
- v) Tiny start-up current with no strike to the electronic grids
- vi) R134a refrigerants, no harm to the ozone
- vii) Super high IPLV and COP
- viii) Oil-Free, an absolute solution to the oil-return problem and a great improvement to the reduction of the cooling capacity



I-CHILLER™

Versatility - small in size and foot print, which helps to reduce 50% - 100% investment its chiller plant.

Reliability - needs no back-ups. The breakdown of a single unit does not affect the operation of other units.

No Vibration - free of the low frequency vibration of the traditional chillers, which does not have the noise interference to the staff living and working around.

Intelligence - applied with the powerful PAC controllers, which are able to connect the building group control system completely and realize the remote control.

Economy - has an annual IPLV of over 9.0. Changing frequency jointly with more than one compressor helps to save more energy and over 40% of the electricity cost.

Expandability - in the design of the modular units, which enables the increase and decrease of the outputting cooling capacity to meet the operational requirements at different stages.

Free of Maintenance – it is oil-free, which helps to reduce the operational cost without the maintenance of the oil

High Energy Efficiency – I Chiller Modular Units is applied with oil-free variable centrifugal compressors, the energy efficiency of which reaches the national first-level and is able to sustain for a long time without reduction.

Environment Friendly – I Chiller Modular Units is applied with R134a refrigerant.

Low Noise – when I Chiller Modular Units is operating, the sound volume is low to 55dB, and the audio band is rather high, which is more helpful to erase the noise.

Easy Installation – Thanks to its characteristics like a tiny volume, a small footprint, and a light weight, I-CHILLER Modular Units is able to be transported to the facilitate room by crossing a standard industrial door and an elevator easily.



I-Chiller Reference Projects



Holiday Inn Shanghai Pudong



Jincheng International Hotel



Crown Grand Hotel



Shanghai Jianke Building

CLLOUDCHILLER™

BSE CLOUD-CHILLER™ family chillers are the oil-free, frequency conversion air cooled chillers, which could be used independently when no cooling water is available, including two types for conventional and free cooling, optional hydraulic module and a cooling capacity covering 200kW (57RT) to 1800kW (512RT).

The integrated part load value(IPLV) of BSE air cooled chillers is 50% more than the traditional ones.This is a great breakthrough for air cooled chillers as it could sharply decrease the operational cost and reduce the carbon emissions.The application of the chillers vibration free,and compared with a screw chiller which provides the same cooling energy,their operational noise is only 60dB.

CLLOUDCHILLER™ family chillers have the following characteristics :

- i) Oil-Free VFD centrifugal compressor
- ii) Super high IPLV and COP
- iii) R134a refrigerants, no harm to the ozone
- iv) Oil-Free, an absolute solution to the oil-return problem and a great improvement to the reduction of the cooling capacity
- v) Low noise and small vibration
- vi) PAC programmable auto-controller
- vii) Small size and light weight
- viii) Tiny start-up current with no strike to the electronic grids
- ix) Intelligent alarming and failures handling

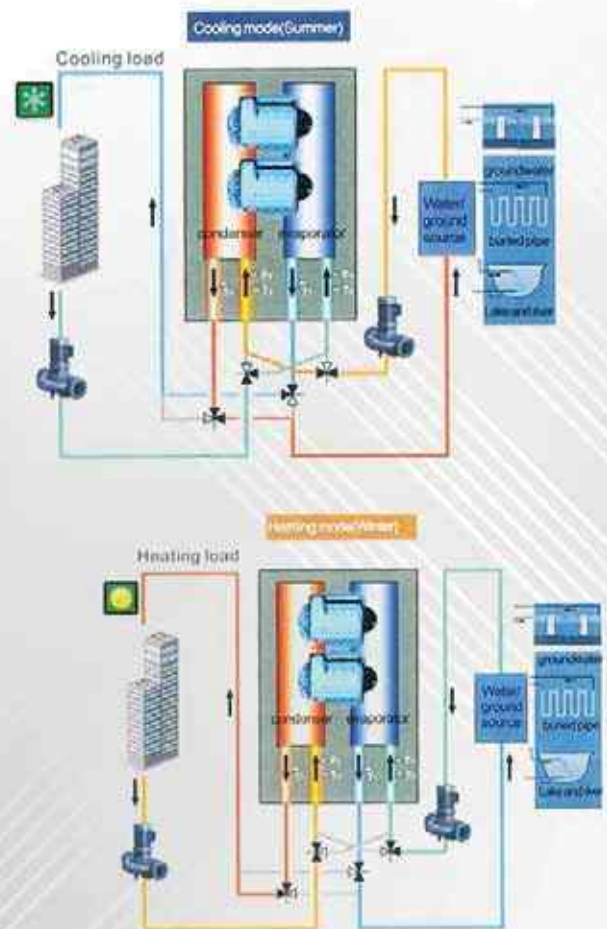


FIRECHILLER™

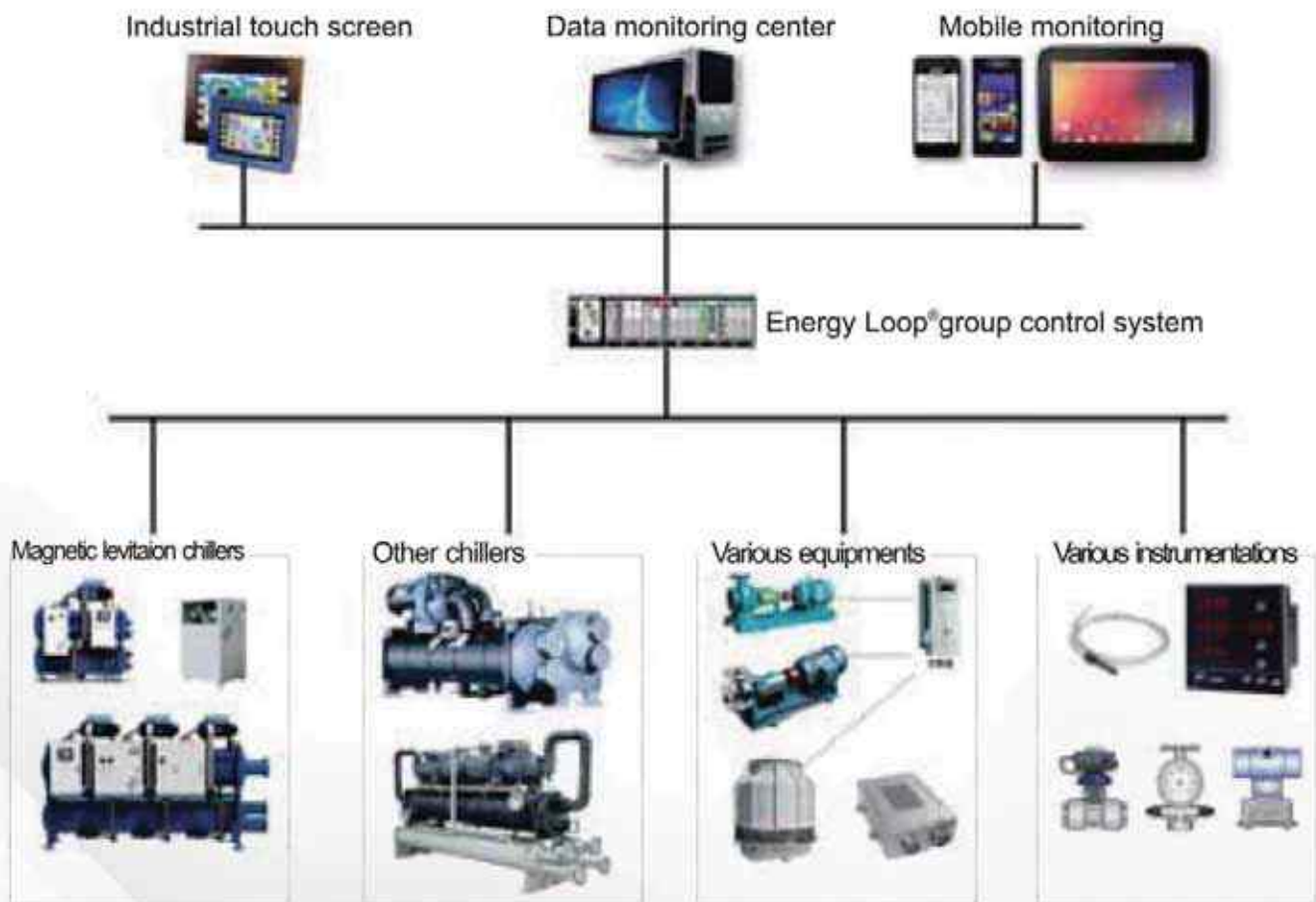
BSE FIRE CHILLER™ Family is a new approach for heating source. With more attentions are paid from all sectors of community to the measures taken in energy-saving, emission-reduction and building energy conservation. The IPLV of Fire Chiller™ Series oil-free centrifugal heat pump unit is more than 9 ,and the power consumption is reduced by more than 35%.

The heat pump has been listed as one of the main measures for building energy conservation and the development of renewable energies, which will be greatly promoted for the heating in northern part of China. The heat pump works by power drive,which is to take heat from low-temperature heat source, then improve its temperature and then to release the heat when the temperature is high. Heat pump is able to use renewable natural low-temperature heat sources, such as the surface water, the sea water, the groundwater, the municipal waste water and also the underground soils etc., the heating energy of which is taken b the heat pump in the winter and is released back in the summer. Therefore, these sources are able to serve as the cooling sources in the summer for the air-conditioning and then to offer the heat source for the building heating in the winter. The chillers are able to work without the cooling tower system when it is refrigerating to avoid the noise pollution cause by it and the waste of the water resources; and are able to work without the boil water system when it is heating to avoid the discharge of the pollution and achieving a cleaner environment.

In order to reduce the high energy consumption BSE developed the new energy-saving Fire Chiller™ series oil-free,frequency invert centrifugal compressor,direct drive,digital magnetic levitation bearing,permanent magnet motor,etc. When the compressor speed is reduced,the power consumption is reduced significantly;the use if magnetic levitation technology has achieved oil-free operation,which help the maximum degree of reduction of the efficiency of the oil and the attenuation,so that the system is more efficient,while increasing the service life of the unit. The unit can provide high temperature chilled water in the summer,and it can realize the independent application of temperature and humidity of geothermal heat pump.In addition,the oil-free centrifugal heat pump unit with the use of renewable energy sources such as water source,geothermal source,can make the whole air conditioning system energy efficiency has been further improved,and become a model of energy conservation.



ENERGY LOOP® GROUP CONTROL SYSTEM



Energy Loop® Group Control System is self-developed by BSE on the base of the PAC control units with the strong processing powers. Combined with BSE's technologies and experience accumulated for many years and targeted at the temperature, the flow and the pressure of the chillers, the cooling pumps, the condensor pumps and the cooling towers, **Energy Loop® Group Control System** provides the automatic control, the energy-saving strategies and the overall solutions to fulfill a flexible central group control system that could communicate with chillers.

The chiller plant configured with **Energy Loop® Group Control System** is able to promote 80% efficiency that of the original one. This group control system is also able to offer the standard communicative accesses to support Modbus communication protocol. All Testing data are able to be transferred remotely through WIFI/3G network, and then are applied in the remote control. The users are allowed to check the instant data of the group control system on their office computers or mobile phones easily.

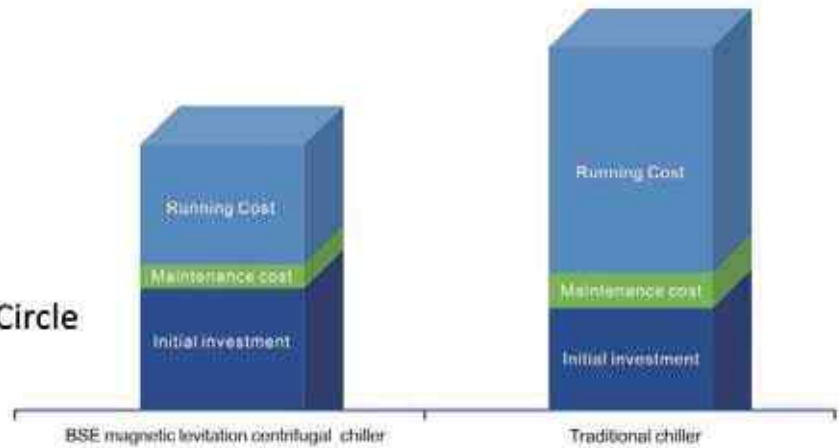
LIFE CIRCLE COST ANALYSIS

Operation Cost

- Lower Energy Consumption
- No Reactive Power Compensation

Maintenance Cost

- Saving Labor Cost
- Saving Maintenance Cost
- Little Fraction and Long Product Life Circle



Transportation & Installation Cost

- Saving the transportation cost
- Installation Cost



System Investment Cost

- The Reduction of Electricity Cost
- The Reduction of Costs on Noise Erasing and Vibration Separation
- Small Footprint



Distributing cable specifications of common chiller



Distributing cable specifications of BSE magnetic levitation chiller

LIFE CIRCLE COST ANALYSIS

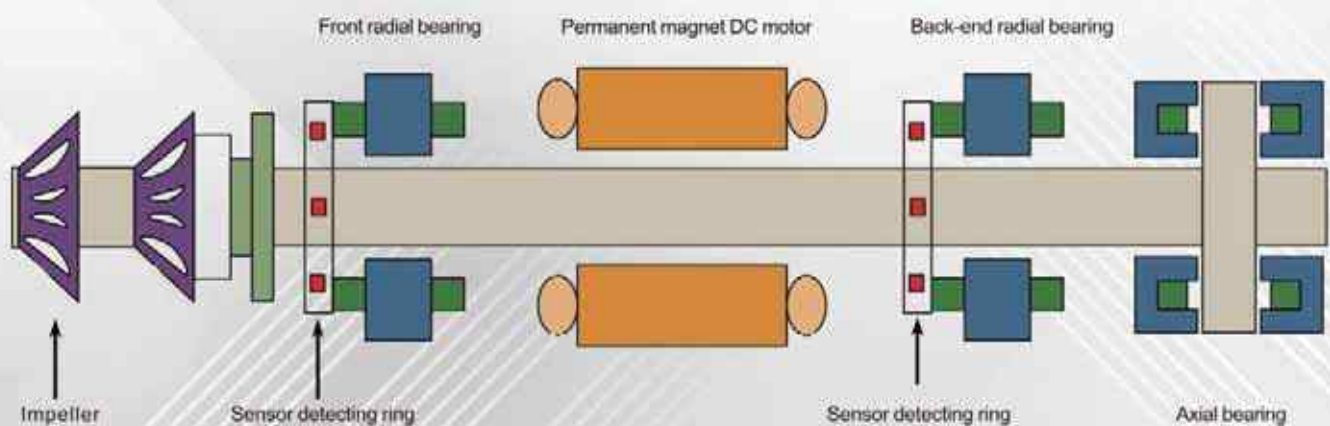
Environment Friendly and Operation Safety

- ✔ No leaking Risk of the refrigerants
- ✔ The reduction in the application of the refrigerants
- ✔ The reduction of Carbon Emission
- ✔ More reliability of Operation
- ✔ Oil-free Operation



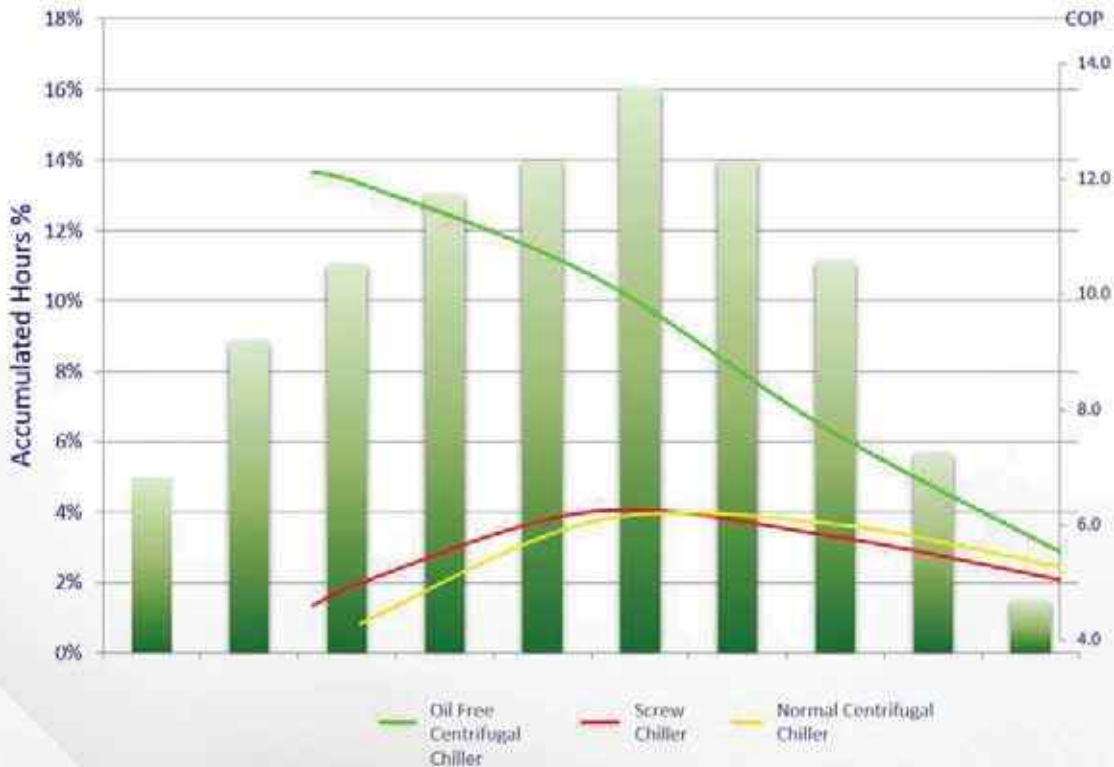
After a comparison with the respects mentioned above, there would be an apparent advantage in the overall cost control after the application of BSE oil-free products. Not only does it help to reduce the operation cost, but also help to save the cost of place and maintenance, and meanwhile, it also provides the users the safe and reliable experience.

Sketch Map of Magnetic Levitation Bearing



Ultra High Part Load Efficiency

During the real operation, because of the continual changes of the environmental temperatures, the chillers rarely work under the full loads, and in most cases they work under the partial loads. Therefore, saving energy under the partial loads is saving energy in real sense. As it shown, in the picture above, the COP of the oil-free chillers working under the partial loads is far higher than that of the conventional ones, therefore, compared with conventional chiller, there is an obvious reduction of the operation cost for the oil-free chiller in the full year of the operation.



Extraordinary Soft-start Efficiency

The instant extreme increase of the startup current has always been a traditional demerit of the starting up of the motors. The startup current of a conventional chiller is normally several times that of the rating operational current, but BSE products not only have no the phenomenon of the instant extreme increase of startup current, moreover, they operate with more reliability when cooperating with other delicate equipment and computer networks, as they are applied with the technology that allows them to start up without the trouble of voltage fluctuations.

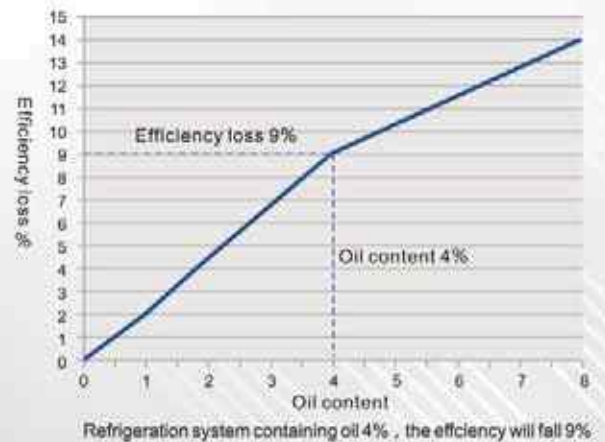
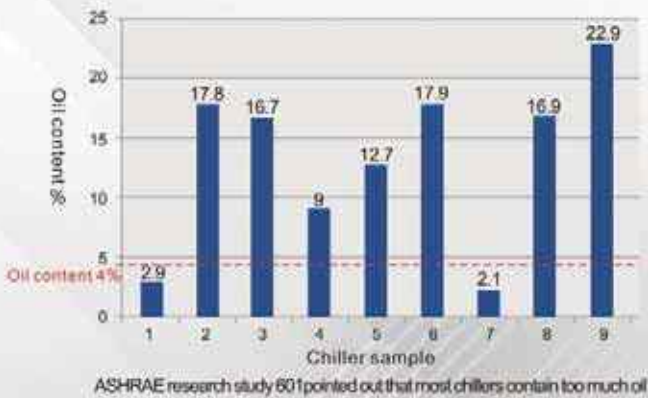
Thanks to the oil-free technology, the compressor's transmission efficiency has improved with 10% compared with that of a conventional one. The power factor of a conventional centrifuge is normally ranges from 0.8 to 0.85, while that of the oil-free chillers reaches 0.95. The oil-free compressor is able to overcome the problem of the instant interruption of power supply by slowing down smoothly till the chiller gradually halts and then quickly start up again when the power supply recovers.

Very Quiet

The highest operational noise given by the oil-free chiller is only 73dB, and in particular, that of the I-CHILLER series oil-free modular unit chiller is even lower to 55dB, with almost no vibration. The noise and vibration level of I-CHILLER series is much better than those of the screw/centrifugal chillers (normally is up to 82-87dB)

Efficiency Sustainable

The phenomenon that the oil partly melts in the refrigerants always happens to a conventional compressor. ASHRAE601-TRP research shows that the refrigerants with lubricants will cause the performance reduction of the chiller. According to the researches and the statistics, the refrigeration systems of the most chillers in operation contain large quantity of the lubricants with an average lubricant-content rate of 12.9%. However, according to another investigation, 4% of the lubricants in the refrigeration system of the chiller will cause a reduction of 9% for the efficiency of the whole chiller. The oil-free centrifugal chiller has no direct metal fractions, and does not need even one drop of the lubricants, which guarantees a high efficiency for the chiller during a long time without the efficiency reduction cause by the lubricants.



TO ACHIEVE GREEN BUILDING

As the idea of saving energy gradually gains more support from the public, more and more clients request a green building that is not only green during its construction, but also green during its operation.

The BSE oil-free centrifugal chiller is possession of the characteristics of saving energy, environmental protection and high efficiency. The buildings applied with BSE oil-free products have more advantage in the process of the evaluation for applying for the declaration of the green building.

The performances :

The COP of BSE oil-free centrifugal chiller has a 12% improvement more than the current national standards Evaluation Standard for Green Building GB50189, which helps to reduce the total energy consumption for heating, ventilation and the air-conditioning system.

The annual IPLV of BSE oil-free centrifugal chillers is up to over 14.0, which helps to reduce the total energy consumption for heating, ventilation and the air-conditioning system.

BSE oil-free centrifugal chiller is applied with Energy Loop control system, which is able to cooperate with frequency conversion water pumps and the frequency conversion fans as it is in possession of the oil-free centrifugal variable technology; and is able to improve the efficiency of the whole chiller plant effectively as it is in the design of variable flows.

BSE series products are applied with the environmental-friendly R134a refrigerant, avoiding destroying of the ozone layer and the greenhouse effect.

According to the statistics, the projects that apply with BSE oil-free centrifugal chillers are able to gain 20 points in the application for the green building, which greatly improve the rate of its identification as a green building, especially for the high-rank star identification.



Hotel Application

The hotel industry is constantly evolving, and customers' demand for comfort is unprecedentedly high. The online public rating function has made the hotel price war more fierce. The increase in hotel staff salary requirements has also caused the hotel to face greater challenges. However, the impact of the development of the hotel industry is far more than this. Comfort is the most important factor!

Five factors that affect comfort :

1. Silent Operation
2. To Ensure Comfort
3. Remote Monitoring
4. Energy Efficient
5. Flexible and Compact

Noise :

Question: Silent running is important. More and more hotels offer "100% satisfaction" services. Once the customer complains, the service will be exempted and the hotel manager will bear the corresponding responsibility, and the most complaint is the discomfort caused by the noise.

Solution: If the cold water room does not cause noise to the environment, then it is much easier to provide quiet rooms. It is believed that the magnetic levitation oil-free frequency conversion chiller is the smallest unit in the industry.

We recently participated in an engineering installation that uses magnetic levitation compressors to replace extremely noisy screw machines. The original room adjacent to the engine room could not be rented at all. However, after installing the magnetic levitation compressor, the manager found that even if he was standing near the unit in the machine room, it would not feel that it was running, let alone outside the room. The disappearance of noise allows more rooms to be rented out.

Comfort :

Question: The second place in the list of complaints is the comfort of the rooms. The main reason that affects the comfort of the rooms is that the air conditioning system of the hotel is not reliable. Once the air conditioning stops working, the hotel's complaints phone will ring immediately.

Solution: As the heart of the air-conditioning system, Bixun Magnetic Suspension Compressor is the only moving part of the centrifuge shaft, so the reliability of the air-conditioning unit is greatly improved. Experienced HVAC technicians will tell you that the simpler and better. Bixun Magnetic Suspension Compressor has a simpler structure than other compressors in the past. Therefore, it is the most reliable and reliable air-conditioning compressor at present, and it is the most reliable refrigeration system that many hotel managers have long sought.



Zhonghao Hotel Hangzhou



Beijing Cuimingzhuang Hotel



Shanghai Yangtze Boutique Hotel

Remote monitoring

The problem: In many hotels, there is usually only one trained senior HVAC technician, the chief engineer. When the chief engineer comes to work after work or when traveling abroad, technical support obviously becomes very difficult. In the event of a failure, the hotel often waits for several hours to get feedback, even if it is a small question to answer information about the status of the system. Therefore, hotels often need to remotely monitor or remotely diagnose the system, especially for the critical component of the compressor.

Solution: We recently demonstrated to the vice president of engineering of a chain hotel and his colleagues the remote alarm and system monitoring functions of the magnetic suspension compressor. They were shocked by the powerful features of the magnetic suspension compressor. The letter magnetic levitation compressor is like a smart computer, so that the modified chiller can achieve remote monitoring and diagnosis through the existing FMS system in the most cost-effective manner. In the past, this function was only a dream. Whether it is standing next to the crew, at home, or even on the other side of the earth, maintenance engineers can obtain and evaluate compressor information such as power rating, current and compressor speed, fault records, and more.

Efficiency :

Question: In addition to labor costs, the hotel's second largest expense is equipment. The hotel's profit margin is very low. Reducing equipment costs has an extremely important effect on profits. Therefore, the energy efficiency of the system, especially the partial load efficiency, is crucial. As we all know, due to the temperature, occupancy rate and booking arrangements, the hotel's cooling system has been operating at partial load for a long time.

Solution: The major advantage of Bicent Magnetic Suspension Compressor is the compelling partial load efficiency. Compared to conventional compressors, Bicent Magnetic Suspension Compressor's partial load energy efficiency can be increased by 50%. The hotel manager will see that the electricity savings will be visualized on the hotel's electricity bill.

Compactness :

Question: The customer tells us that in order to reduce the initial construction investment, it will often trick the property into saying that there is a correctly sized equipment room. In fact, there is not enough space for the equipment to be packed and it is very difficult to maintain the operation, let alone replace the system.

Solution: It is ideal for a magnetically suspended, oil-free frequency conversion chiller to be placed in a compact equipment room. Not only does it save space, it is easier and faster to maintain, and it is also safer.

Other advantages :

The letter magnetic levitation oil-free frequency conversion chiller can convert the existing system to R134a at a low cost, reducing the expensive cost of replacing the system. This is very popular among hotel engineers. This technology has proved to be able to greatly save the existing equipment floor space, especially those that are not easy to operate.

Experience has proved that the system maintenance cost of the BMS magnetic-suspension oil-free frequency conversion chiller is half that of the traditional oil-contained chiller system. It does not require traditional annual oil inspections, no oil changes, no oil filters, and no more expensive dismantling costs. Bixins Magnetic Suspension Compressor has redefined the soft start and the current at start-up is only 2A, while the traditional 70-ton screw compressor has a starting current of 500 to 600A. The compressor weighs only 120kg and two workers can lift without lifting equipment. With many advantages such as energy-saving, high efficiency, low noise and remote monitoring, Bixin Maglev oil-free frequency conversion chillers have significant advantages in the market.



Zhejiang Jinhua Jincheng Hotel



China Coal Group - Holiday Inn Pudong Shanghai



Shanghai Xijiao Hotel

Office Application

Research by building owners and management associations shows that more than half of tenants complain about the comfort of office buildings. This is a serious challenge because studies show that if tenants complain more than three times a year, the tenants no longer renew the lease exceeds 50% , which will result in huge economic losses. Comfort significantly affects the productivity of workers. Every 1% increase in productivity means an increase of \$ 2.5 / sq ft / year of revenue, which exceeds the operating cost of the entire HVAC system. In the end, tenants not only pay more attention to comfort, but also care about excessive noise.

The following are the main issues in HVAC applications for office buildings and the solutions provided by Bixair Air Conditioning :

1. Reliability
2. Energy Efficiency
3. Easy to Maintain
4. Noise Level
5. Remote Monitoring
7. Environmental Protection

Reliability :

Problem: Nothing can cause tenants to complain more quickly than a building's HVAC system stops. The weakest component of a traditional refrigeration system is the compressor. Once the compressor fails, the facility manager's phone rings all the time.

Solution: The MSM magnetic reciprocating compressor is a centrifuge with only one moving part. This simple design means higher reliability and longer maintenance intervals. In the renewal project of Bixin Maglev oil-free frequency conversion chiller, the use of multiple compressors can provide an inherent redundancy for owners and operators, enabling managers to perform other tasks while the units are operating independently.

Energy efficiency ratio :

The problem: Every dollar that is wasted on energy consumption is unnecessary. When the building is sold out, the value will be magnified by the return on investment. Therefore, saving the energy consumption of the building is very important to reduce the investment of the owner. Traditional compressors have no advantage in the high energy market.

Solution: Bessie's magnetic levitation compressor is 50% more energy efficient than conventional compressor technology . This simplified centrifugal design drive can save energy under any load, especially in the case of an office building which is under partial load most of the time. obvious. For three-party contracts or charter leases, the adoption of a more efficient Bislim magnetic levitation oil-free frequency conversion chiller system can benefit both owners and tenants.

Easy to maintain :

Problem: The leased office building lacks professional technicians in terms of crew maintenance. When adjusting the ambient temperature and the hall cleanup conflict, the staff used to maintain the equipment is occupied. Therefore, the owners and managers constantly look for ways to increase productivity.

Solution: When the refrigeration system uses Bicent magnetic suspension oil-free frequency conversion chillers, experience has shown that the maintenance workload of the refrigeration system can usually be reduced by half. The BECSUN Magnetic Suspension Compressor System has only one moving part and no lubrication system. It avoids annual inspection and analysis of refrigeration oil, regular oil change, and oil filter replacement without periodic disassembly and overhaul. The maintenance work that needs to be done is only to replace the capacitor every 5 years, and check quarterly whether the wiring of the wires is tight and the dirt on the computer board is cleaned once a year. Minimizing maintenance work allows employees to perform other tasks.

Noise level :

Question: Silent running is very important. Tenants want the HVAC system to be quiet and unobserved when it runs. When tenants complain, they will indicate that if they cannot solve the problem, they may choose to leave. The problem of noise often comes from the vibration and sound of the compressor, but solving the noise problem is often very expensive, of course, not only the problem of money.

Solution: Relying on the patented design of magnetic suspension centrifugal compressors, Bixin magnetic suspension oil-free frequency conversion chillers are the quietest chillers in the industry. We have already seen the problem of being unable to rent the rooms located on the top and bottom of the freezer building and next door. This problem has been solved by adopting advanced, super-quiet, vibration-free magnetic suspension compressor technology. Thanks to the quiet design of the BECS magnetic ram compressor, you can't even feel the operation of the unit in the context of traditional industrial noise. With less complaints, the increase in rentable area makes Bicent magnetic levitation oil-free variable frequency chillers the most cost-effective solution ever.

Remote monitoring :

The problem: The office building is getting bigger and bigger, while the facilities management staff is getting less and less. In many cases the whole building is equipped with only a few maintenance personnel, so it is impossible to allocate one manager to each equipment room. However, it is very important to confirm the operating parameters and operating status of the equipment in real time.

Solution: The use of Bicent magnetic suspension oil-free variable frequency chillers will solve this problem. It has advanced remote monitoring capabilities. Beshin magnetic suspension compressors, such as a smart computer (a computer that can control magnetic bearings), which can carry out human-machine information exchange through the network, this feature to achieve the past dream of efficient and economical remote monitoring and unit diagnostics. With an efficient interface technology, your building control system can monitor the unit's operating conditions in your building or in another building, or even in any connected location.

Environmental protection :

Question: The owners are socially required to establish a leadership image in environmental protection, and tenants pay more attention to world-class comfort while putting forward requirements for environmental protection. This is a huge challenge for reducing the realistic requirements for maintenance costs.

Solution: The use of Bicent magnetic suspension oil-free frequency conversion chillers can solve this problem. The oil-free, high-efficiency Billitech Magnetic Suspension Compressor is an environment-friendly compressor and therefore has the ability to achieve the highest scores in important environmental assessment systems such as the LEED project of the US Green Building Council. Introducing tenants to their advantages in environmental friendliness can also be a market advantage for buildings and owners.



Haining Hualian Building

Shanghai Youth Activity Center

Suzhou Jinfeng International Business



Zhangjiagang Aikang Building

Zhangjiagang Qianxi Cultural Center

Believe-in **S**aving **E**nergy



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