

STABLE | ENERGY-SAVING | CLEAN | AND EFFICIENT

Oil-free air compressor



Class 0
ISO8573-1



Dream (Shanghai) Compressor Co.,Ltd.

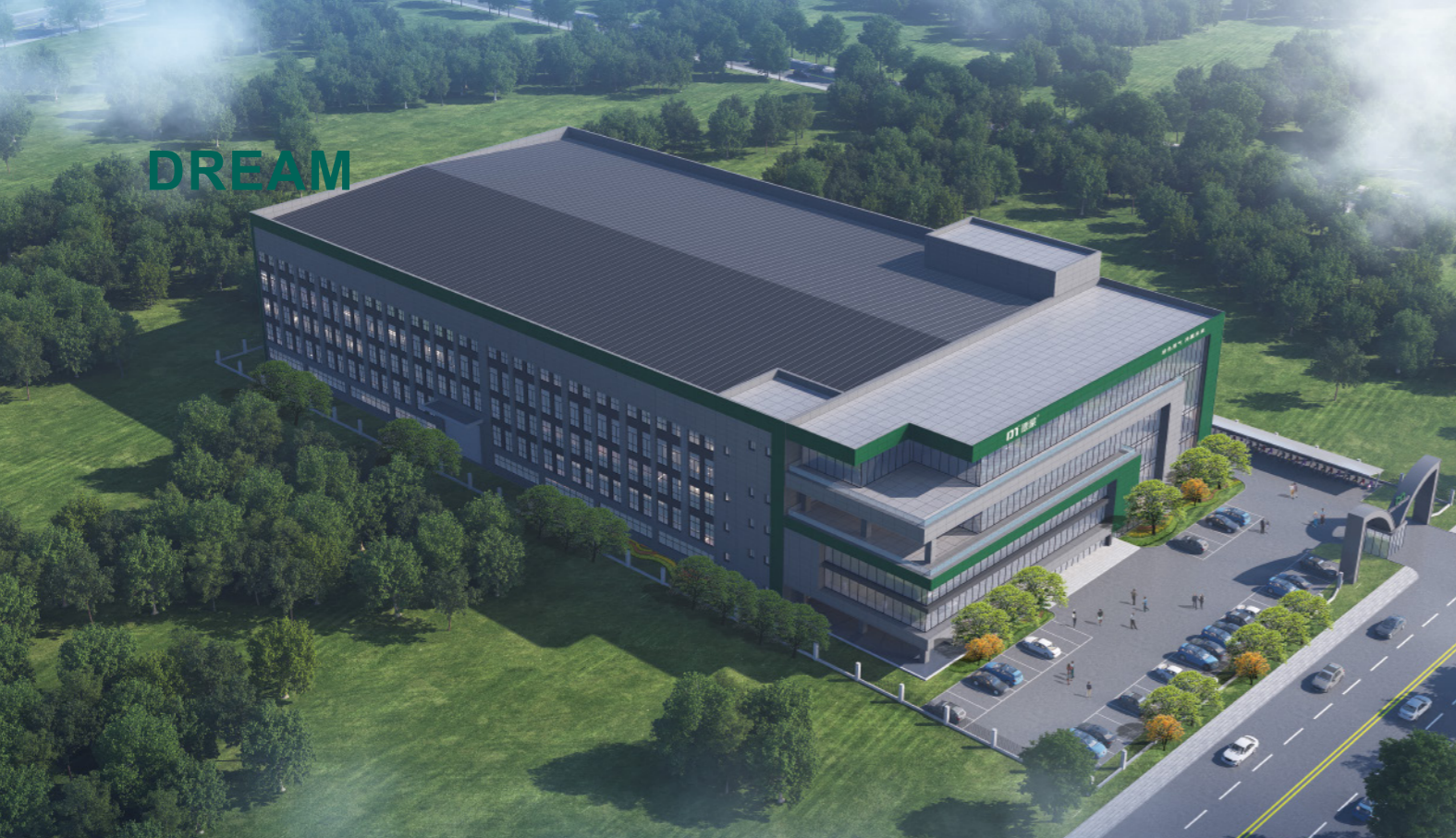
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Dream(Shanghai) Compressor Co.,Ltd.



ABOUT DREAM

 **45000** m²
factory area

 **100+** 项
Invention patents and honors

 **20+**
Regional branches/subsidiaries

Dream (Shanghai) Compressor Co., Ltd. was established in Shanghai in 2011. It is a company specialized in designing, manufacturing and sales of air compressors.

A high-tech enterprise that sells and provides system solutions. In the process of development, it has obtained the title of Shanghai Brand Cultivation Demonstration Enterprise, Shanghai Professional

It has won honors such as special new enterprise, energy-saving equipment contribution enterprise, high-tech achievement transformation project, etc. Its products are widely used in new energy, chemical industry & chemistry, Electronics, textiles, brewing industry, medicine & food and many other fields.

Dream pursues product design concepts that are stable, energy-saving, clean, efficient, easy to operate and easy to maintain, and insists on developing based on market demand and innovation.

Oriented by development, the company invests 10%-15% of its profits every year into new product research and development and the upgrading and optimization of new and old products. Innovation is always the priority for Dream.

The driving force for progress. Dream provides gas compression solutions, covering customer demand analysis, site investigation, technical solution design, and project completion.

This analysis, non-standard solution customization, solution demonstration and promotion. Provide exclusive compressed gas solutions based on project needs.

In the development process of more than ten years, Dream Company has always adhered to the enterprise spirit of "working together to dream together and striving for excellence", constantly innovating and pursuing excellence. Dream people continue to explore and innovate to meet customer needs and provide users with better products and services. So far, Dream has established more than 20 branches/subsidiaries at home and abroad, with footprints all over the world. Its excellent product performance and efficient service concept continue to create value for users.

Dream is always your reliable partner. We firmly believe that by working with us, you will experience our high-quality products and expertise.

With professional services, pursue your dreams and create a better future with Dream!

DREAM CULTURE



VISON

Become a highly competitive gas compressor system solution provider in the industry



MISSON

Allowing users to worry more and sustainably save energy and gas

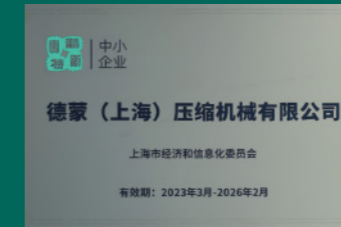
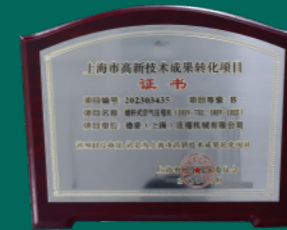
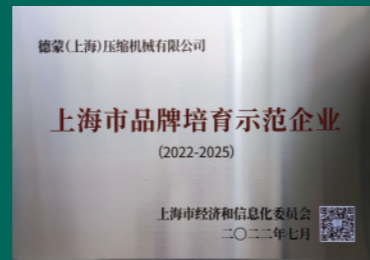


VALUE

Concentric shared dream professional focused co-created shared

Enterprise honor

- High-tech enterprise
- Specialized in special new enterprises
- Energy-saving technology and equipment contributing enterprises
- Shanghai brand cultivation model enterprise
- CE Certificates
- EMC Certificates
- TUV Rheinland Class 0 Oil Free Certificates
- Germany TUV product safety certification
- GCCA product quality and safety certification
- ISO 9001,14001,45001



20+
City subsidiary

34 Provincial sales
service network

Adhering to the business philosophy of "market-oriented, customer-centric, technical support and service guarantee", Dream is committed to providing customers with high quality products and industry-leading services. With Shanghai as the center and 20 service outlets nationwide as the auxiliary, Dream covers 34 provinces and autonomous regions of China's sales and service network, dedicated to provide customers with better service.

Global service

Dream is committed to providing quality products and services on a global scale, and has conducted overseas operations in many countries and regions, including Southeast Asia, Europe, and the Americas, and has established strong partnerships in overseas markets. Our overseas agents have rich experience in cross-cultural communication and international vision, and are able to better understand and meet the needs of local customers and markets. In the future, we will continue to strengthen the development of overseas business, expand more overseas markets, and let China intelligent manufacturing shine on the international stage.



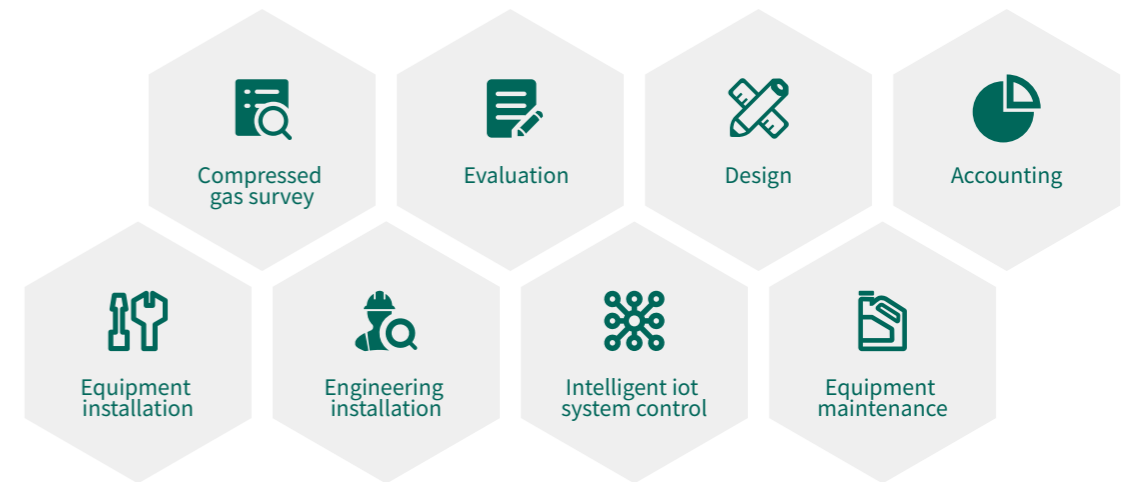
Dream Intelligent Manufacturing Six core competencies



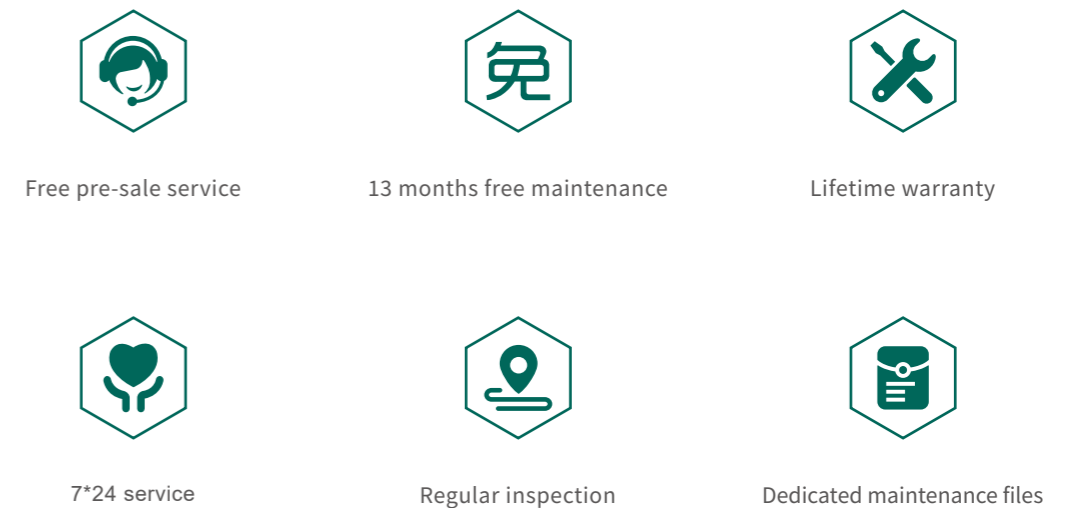
| Full process cycle and service

We provide the whole process cycle service for customers to build gas stations or upgrade, covering compressed gas system research, evaluation, design, edge calculation, equipment installation, engineering installation, intelligent iot system control, equipment maintenance and so on.

| Service process



| Performance pledge

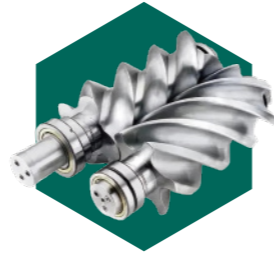


DREAM

Low pressure dry oil-free permanent magnet Frequency screw air compressor

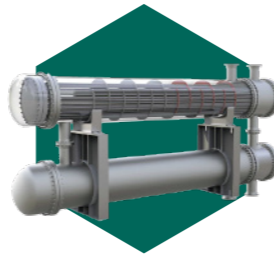
Product characteristics

DMWLV-G series Low pressure dry oil-free permanent magnet variable frequency screw air compressor



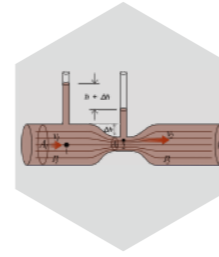
Imported low-pressure special oil-free main engine

1. The air compression chamber is completely separated from the oil chamber. The air side adopts the non-wear sealing system of stainless steel spring-loaded metal ring, and the lubricating oil side adopts the non-wear sealing system with copper labyrinth seal.
2. The inner wall of the rotor and compression chamber of the main engine is coated with the industry's first-class super coating (UITRACOAT). It can effectively prevent the softening and falling off of general coatings such as Teflon. It has excellent anti-corrosion and reduces the role of mesh clearance. The gas volume did not decrease significantly during the whole life cycle.
3. The shell compartment of the main engine is cooled by filtered lubricating oil. Efficient cooling, avoiding water cooling caused by scale, thus improving the reliability of operation.



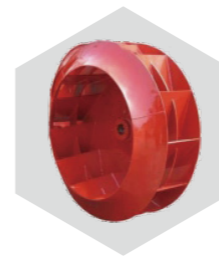
High efficiency water cooler

- Dream dry screw air compressor water cooler adopts a new type of threaded finned tube shell heat exchanger, compressed air tube, cooling water shell side, tube nest for the new plum flower type copper tube, compared with the conventional water heat exchanger, the advantages are as follows:
1. Compressed air pipeline, relative to the outer fin tube pressure capacity;
 2. Cooling water shell process, compared with the process selection in the tube, cooling water through multiple groups of baffling parts, the degree of turbulence is increased, the probability of dirt formation on the attached pipe wall is reduced, the equipment cleaning cycle is extended, and the maintenance cost of users is reduced;
 3. The gas runs through the tube and the fins extend axially in the tube. Relative to the outer wings, the pressure drop generated by the unit windward area is lower than that of the outer wings, the use is safe and reliable, and the fins are not easy to fall off.
 4. The installation of the heat exchanger is simple, the same as that of the conventional shell and tube heat exchanger;
 5. Stainless steel plate is used on the side of the pipe to prevent corrosion and rust of the cooler due to high temperature and high pressure, affecting the life of the compressor host and air quality;
 6. Tube nest can be disassembled independently, convenient maintenance;
 7. Compressed air pipeline, water shell process, reduce the noise generated by compressed air.



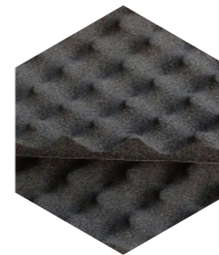
Noise-cancelling venturi

In addition to the newly developed Venturi tube silencer, there are impedance integrated silencers, which can greatly eliminate the noise emitted by the compressor pipeline.



Silent centrifugal fan

Dream dry screw air compressor adopts the latest centrifugal fan, cooling air volume is large, low noise, wind pressure is stable and uniform, so that the cooling area of the cooler is fully utilized, and greatly reduce the noise of the air compressor 6-8dB(A), and also a quiet environment for customers.



Noise reduction sheet metal design

Multiple noise reduction design, according to the noise calculation, the internal paste special flame retardant silencer cotton, reduce the noise of the unit, provide a quieter environment.



Independent air intake system

Independent air intake to ensure that the intake air temperature is equal to the ambient temperature. The selection of large margin air filter, better filtering effect, lower intake pressure loss, energy saving and high efficiency. More convenient maintenance and replacement.



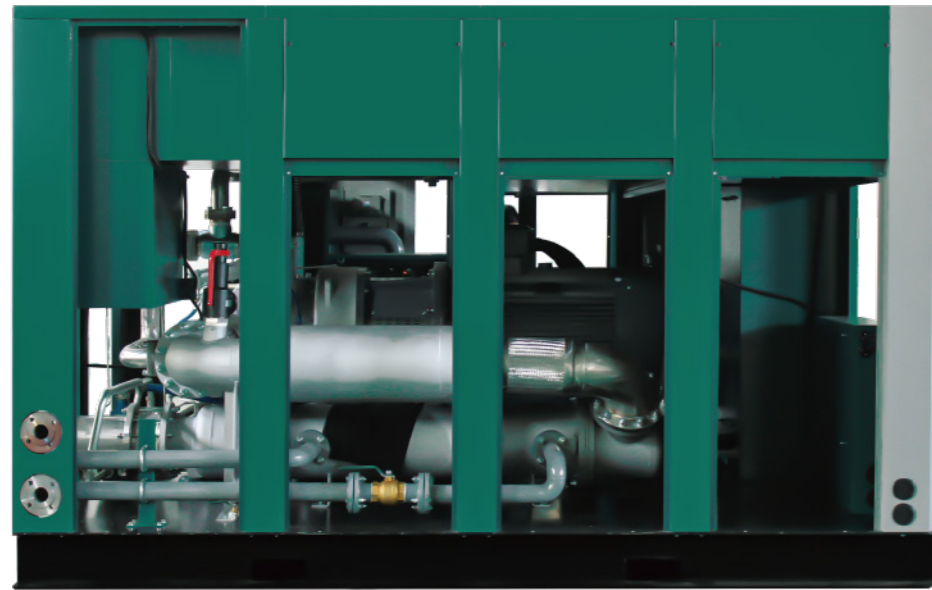
Permanent magnet frequency conversion electronic control system

Large color LCD touch screen, with good man-machine interface; Customized vector inverter, perfect match with the motor; Special program, fully monitor the parameters of the machine, automatically control the state of the machine, without special care; Independent air duct design, suitable for various working conditions.



Reliable intake valve

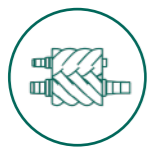
Efficient air intake valve, more stable and reliable operation, avoiding the regular replacement of pneumatic components, reducing unnecessary downtime and maintenance costs.



DMWLV-G series

Low-pressure dry oil-free permanent magnet frequency conversion Screw air compressor

Germany imported low-voltage host, German Rheinland grade 0 oil-free certification, all stainless steel design, ultra-low pressure loss pipeline muffler design, no gas consumption oil mist separation, IE5 efficiency permanent magnet motor, frequency conversion design, constant pressure operation.



German imported host



TUV Rheinland Class CertifiOil 0 Free cates



All stainless steel design



Ultra-low pressure drop Pipe muffler design



Oil mist separation without air consumption



IE5 efficiency permanent magnet motor



Inverter design Constant pressure operation



High efficiency water coolingcooler

DMWLV-G series	working pressure		capacity		power		noise	Airoutlet pipe diameter	net weight kg		dimensions(mm)					
	bar	psig	(m³/min)	cfm	kW	hp			dB	Air-cooled	water-cooled	Air-cooled			water-cooled	
							length	width				height	length	width	height	
DMWLV-45G	2	29	16.3	575	45kW	60	72±3	DN100	2950	2950	2200*1550*2090 2400*1500*1700					
	2.5	36	14.5	512												
	3	44	12.2	431												
DMWLV-55G	2	29	20.1	710	55kW	75	74±3	DN100	3000	3000	2200*1550*2090 2400*1500*1700					
	2.5	36	16.1	568												
	3	44	13.9	491												
DMWLV-75G	2	29	26.3	928	75kW	100	75±3	DN100	3050	3050	2200*1550*2090 2400*1500*1700					
	2.5	36	23.1	815												
	3	44	19.5	688												
DMWLV-90G	2	29	30.4	1073	90kW	120	76±3	DN100	3100	3100	2200*1550*2090 2400*1500*1700					
	2.5	36	27.7	978												
	3	44	24.2	854												
DMWLV-110G	2	29	44.0	1553	110kW	150	76±3	DN150	3700	3700	3100*2000*2103 3100*2000*2103					
	2.5	36	37.0	1306												
	3	44	33.1	1168												
DMWLV-132G	2	29	50.2	1772	132kW	175	76±3	DN150	3800	3800	3100*2000*2103 3100*2000*2103					
	2.5	36	43.5	1536												
	3	44	36.7	1296												
DMWLV-160G	2	29	52.8	1864	160kW	215	77±3	DN150	3900	3900	/ 3100*2000*2103					
	2.5	36	49.9	1761												
	3	44	43.1	1521												
DMWLV-185G	2	29	71.5	2524	185kW	250	80±3	DN200	4500	4500	/ 3700*2200*2303					
	2.5	36	61.3	2164												
	3	44	55.0	1942												
DMWLV-200G	2	29	75.2	2655	200kW	270	80±3	DN200	4700	4700	/ 3700*2200*2303					
	2.5	36	70.9	2503												
	3	44	62.5	2206												
DMWLV-220G	2	29	83.5	2948	220kW	300	81±3	DN200	4900	4900	/ 3700*2200*2303					
	2.5	36	76.4	2697												
	3	44	66.0	2330												
DMWLV-250G	2	29	/	/	250kW	350	81±3	DN200	5100	5100	/ 3700*2200*2303					
	2.5	36	82.5	2912												
	3	44	75.8	2676												
DMWLV-280G	2	29	/	/	280kW	375	82±3	DN250	5200	5200	/ 3700*2200*2303					
	2.5	36	/	/												
	3	44	81.4	2873												
DMWLV-315G	2	29	122.0	4307	315kW	422	84±3	DN250	6900	6900	/ 4200*2400*2500					
	2.5	36	110.8	3911												
	3	44	97.5	3442												
DMWLV-355G	2	29	133.0	4695	355kW	476	84±3	DN250	7000	7000	/ 4200*2400*2500					
	2.5	36	120.2	4243												
	3	44	109.7	3872												
DMWLV-400G	2	29	-	-	400kW	536	85±3	DN250	7200	7200	/ 4200*2400*2500					
	2.5	36	132.0	4660												
	3	44	120.0	4236												

Energy Conservation

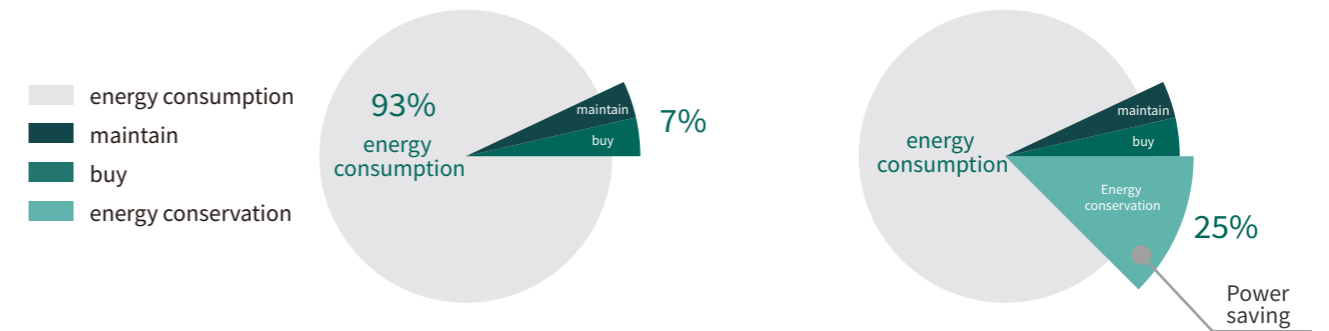
Air compressors are the "electric tigers" in industrial electricity consumption, with an average power consumption of 20%. We have made a series of efforts and research on how to use the same electricity to create more air to help users save energy, and have made important breakthroughs. The permanent magnet variable frequency screw machine developed by the company can save users about 25-35% of electricity while ensuring the original work efficiency.



Energy saving and cost reduction

When purchasing an air compressor, the traditional cost (i.e. purchase cost+maintenance cost) only accounts for 7% of the total cost, while energy consumption accounts for 93%. The two-stage compression direct connection/permanent magnet screw air compressor saves 25-30% energy compared to ordinary (power frequency) air compressors.

— taking 75KW as an example



- intelligent control
- Rust proof shell
- Efficient and energy-saving
- Constant current and stable voltage
- Easy to use and worry free
- reduce the noise

