

# Oil-free air compressor



Class 0  
ISO8573-1



**Dream (Shanghai) Compressor Co.,Ltd.**

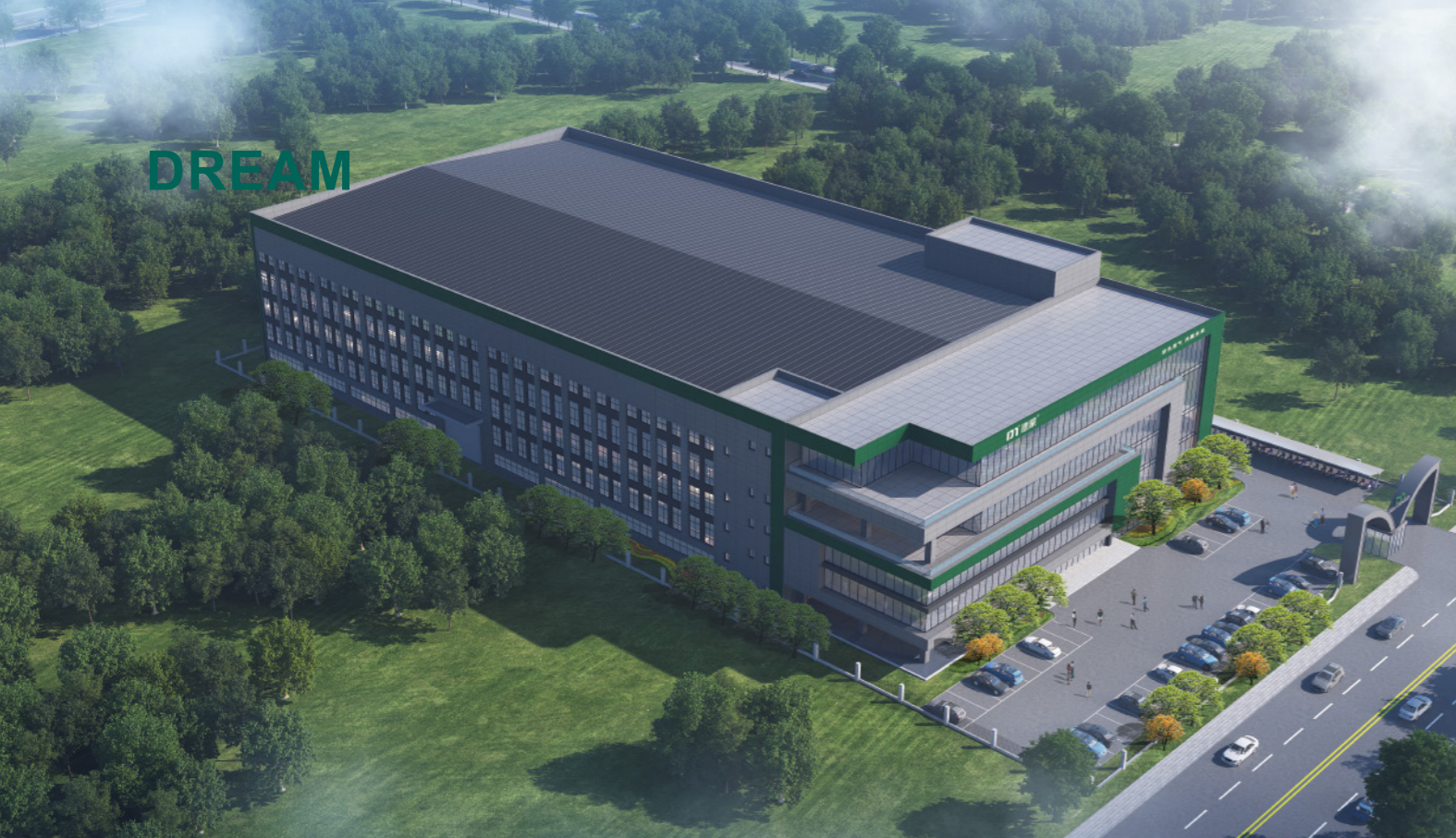
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Dream(Shanghai) Compressor Co.,Ltd.



## ABOUT DREAM

 **45000** m<sup>2</sup>  
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

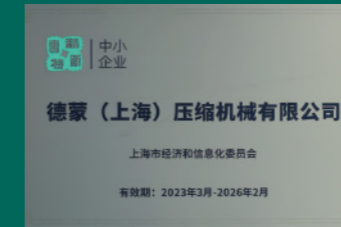
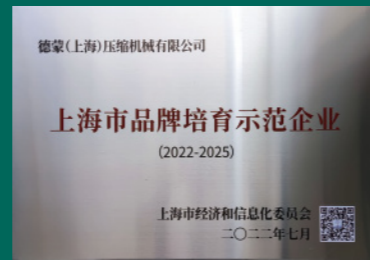


### VALUE

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.



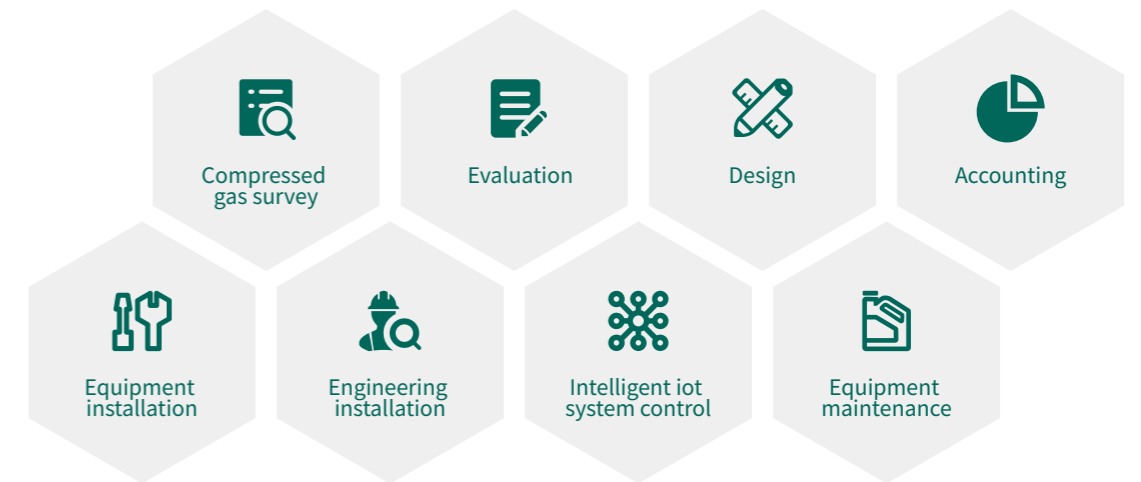
## Dream Intelligent Manufacturing Six core competencies



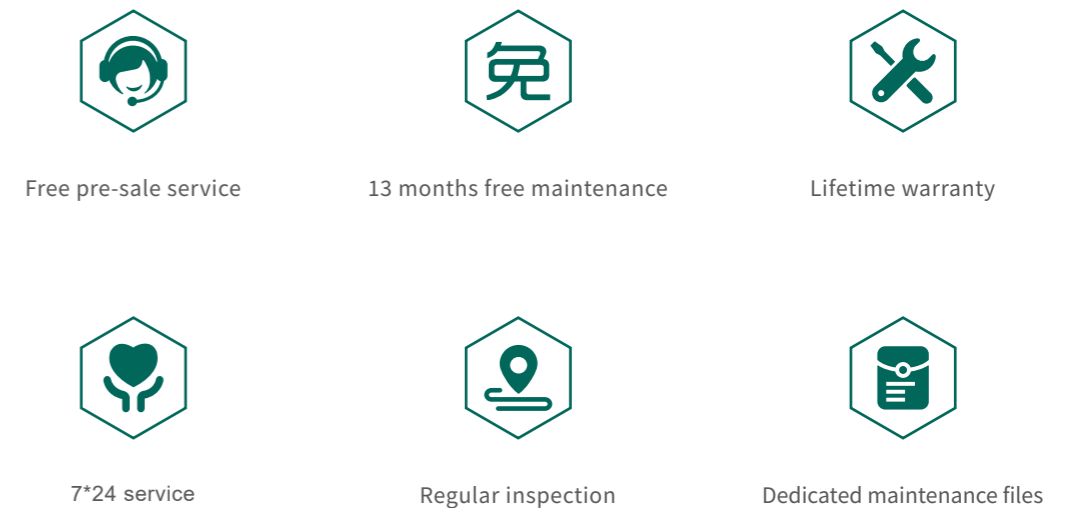
## | Full process cycle and service

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

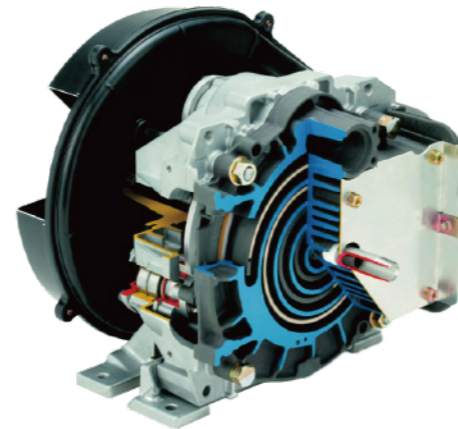


# DREAM

## Oil free vortex air compressor

### Product characteristics

#### DMW-A series Oil free vortex air compressor



#### Reliable performance of the original mainframe

The main engine adopts the design of dynamic and static scroll with three seals, which makes the compression process more stable. Multi-wing cooling fan for efficient cooling of the main engine.

#### Efficient main motor

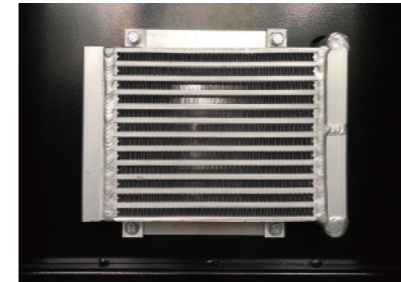
The well-known brand main motor is adopted, the energy efficiency grade is IE3, and the design standard fully meets the requirements of the air compressor for torque and load, so that the main motor can reach the highest working efficiency and power factor at full load and partial load.

IP55 protection grade TEFC main motor, insulation class F, so that it can adapt to a variety of working environments, to ensure the reliability of the main motor.



#### Secondary cooler with high heat transfer efficiency

Two level cooler design, cooling more fully. Each scroll host has a separate cooler (primary cooler), and the whole machine is equipped with a secondary cooler to further reduce the exhaust temperature. The fan of the secondary cooler can automatically start and stop according to the exhaust temperature, saving energy.



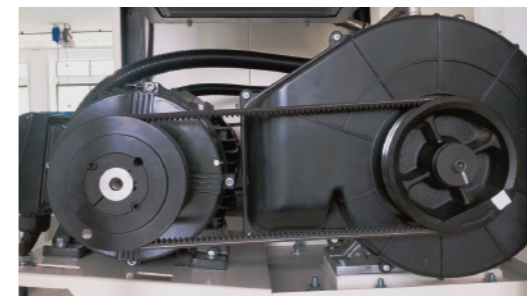
Primary cooler



Secondary cooler

#### Reliable transmission system

Traditional belt systems with automatic tensioning function maintain efficient operation throughout the running time. The system is easy to maintain, stable and reliable, and can protect the host to the greatest extent during startup.



## GREEN ENERGY SHARED DREAM

#### Intelligent control system

Dream self-developed Smart Control control system can control up to 10 oil-free scroll hosts. When multiple hosts participate in the operation, the control system will make each host maintain the same running time to reduce the user's maintenance costs, the control system will also detect the running time of each host and the unit rotation time. If the "rotation time" is reached, the system automatically switches the running host, shuts down the host with the longest running time, and starts the host with the shortest running time.



Each host is controlled by an independent controller. The failure of a single controller does not affect the running of other hosts and is highly reliable. The controller complies with CE certification and has powerful functions. On the large color screen of the control system, the temperature of each host, the current of each motor, the running time, the exhaust pressure can be displayed, and it has a variety of functions such as reverse phase protection, maintenance reminders, etc., which is easy to use.







## Oil-free scroll type Air compressor

### High quality compressed air

The quality of compressed air is the key to the user, oil and oil mist, water, particles are the three major factors affecting the quality of compressed air. ISO8573-1:2010 provides a strict definition of the quality standards of compressed air, especially the oil content standards of compressed air. We understand the importance of compressed air quality to our customers and provide them with Class 0 compliant compressed air with zero risk (zero risk of contamination, zero risk of damaged or unsafe products, zero risk of operational disruption losses) to help you succeed in the competition.

### Product characteristics

- 
**100% oil free**  
 It can be used in any industry and is especially suitable for users who require high oil content in compressed air.
- 
**Quiet operation**  
 The operation noise of the scroll air compressor is extremely low, and the working environment is healthier.
- 
**Easy to install**  
 It occupies a small area and can be installed near the gas point, thereby reducing the installation of compressed air pipe network and effectively reducing the installation cost of pipe network.
- 
**Simple maintenance**  
 No need to replace or add lubricating oil, only need to replace a small amount of consumables regularly, low maintenance costs.
- 
**Zero release**  
 Only condensate is discharged, no harmful substances are discharged, in line with the Sustainable development Goals.



DMW-A series	Top row Gas pressure	Volume flow (FAD)	cfm	Host machine power	Host machine framework	rated stress	noise Lv.	length	width	height	Air outlet pipe diameter	net weight	note
	bar	L/min		kW								kg	
DMW-02A-8	8	240	8.48	3	2.2*1	0.8	60±2	640	660	890	1/2"	200	
DMW-02A-10	10	210	7.42	3	2.2*1	1	60±2	640	660	890	1/2"	200	
DMW-02SAT-8	8	240	8.48	3	2.2*1	0.8	60±2	660	960	1360	1/2"	280	Equipped with a refrigerated dryer/equipped with a 24L air storage tank/equipped with 2 precision filters
DMW-02SAT-10	10	210	7.42	3	2.2*1	1	60±2	660	960	1360	1/2"	280	Equipped with a refrigerated dryer/equipped with a 24L air storage tank/equipped with 2 precision filters
DMW-04A-8	8	410	14.48	3.7	3.7*1	0.8	60±2	640	660	890	1/2"	220	
DMW-04A-10	10	360	12.72	3.7	3.7*1	1	60±2	640	660	890	1/2"	220	
DMW-04SAT-8	8	410	14.48	3.7	3.7*1	0.8	60±2	660	960	1360	1/2"	300	Equipped with a refrigerated dryer/equipped with a 24L air storage tank/equipped with 2 precision filters
DMW-04SAT-10	10	360	12.72	3.7	3.7*1	1	60±2	660	960	1360	1/2"	300	Equipped with a refrigerated dryer/equipped with a 24L air storage tank/equipped with 2 precision filters
DMW-05A-8	8	600	21.19	5.5	5.5*1	0.8	60±2	640	660	890	3/4"	350	
DMW-05SAT-8	8	600	21.19	5.5	5.5*1	0.8	60±2	1490	800	1470	1/2"	410	With a cold dryer/with 200L gas storage tank/with 2 precision filters
DMW-07A-8	8	816	28.82	7.5	3.7*2	0.8	68±2	1060	690	1090	3/4"	300	
DMW-07A-10	10	760	26.85	7.5	3.7*2	1	68±2	1060	690	1090	3/4"	300	
DMW-11A-8	8	1200	42.39	11	5.5*2	0.8	68±2	1060	690	1090	3/4"	340	
DMW-11AI-8	8	1200	42.39	11	3.7*3	0.8	68±2	1060	690	1495	3/4"	430	
DMW-11AI-10	10	1080	38.15	11	3.7*3	1	68±2	1060	690	1495	3/4"	430	
DMW-15A-8	8	1600	56.52	15	3.7*4	0.8	70±2	1060	700	1965	1"	620	
DMW-15A-10	10	1440	50.87	15	3.7*4	1	70±2	1060	700	1965	1"	620	
DMW-16A-8	8	1800	63.58	16.5	5.5*3	0.8	70±2	1060	690	1495	1"	490	
DMW-18A-8	8	2140	75.59	18.5	3.7*5	0.8	70±2	1560	1265	1775	1"	840	
DMW-18A-10	10	1770	62.52	18.5	3.7*5	1	70±2	1560	1265	1775	1"	840	
DMW-22A-8	8	2550	90.07	22	5.5*4	0.8	70±2	1060	700	1965	1"	700	
DMW-22AI-8	8	2550	90.07	22	3.7*6	0.8	70±2	1560	1265	1775	1"	910	
DMW-22A-10	10	2110	74.53	22	3.7*6	1	70±2	1560	1265	1775	1"	910	
DMW-30A-8	8	3400	120.10	30	3.7*8	0.8	75±2	1560	1265	2020	1 1/4"	1140	
DMW-30A-10	10	2810	99.26	30	3.7*8	1	75±2	1560	1265	2020	1 1/4"	1140	
DMW-33A-8	8	3600	127.16	33	5.5*6	0.8	70±2	1560	1265	1775	1 1/4"	1160	

## Energy Conservation

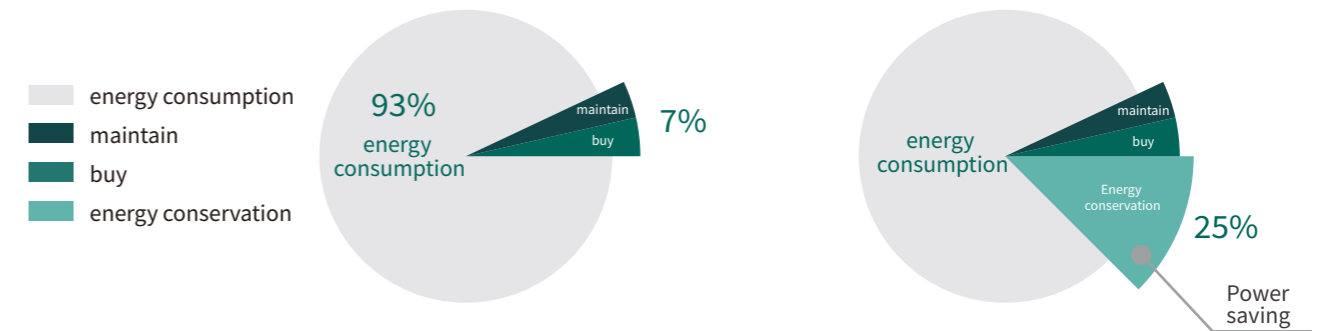
Air compressors are the "electric tigers" in industrial electricity consumption, with an average power consumption of 20%. We have made a series of efforts and research on how to use the same electricity to create more air to help users save energy, and have made important breakthroughs. The permanent 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

