

STABLE | ENERGY-SAVING | CLEAN | AND EFFICIENT

D F V - G Series Screw Blower



Dream (Shanghai) Compressor Co.,Ltd.

📍 (International Sales & Operation Center) Room 316, 3rd Floor,
Building 1, Lane 288, Rongxing Road, Zhongshan Street,
Songjiang District, Shanghai

(Zhejiang Manufacturing Center) No. 916, Chuangzhi Road, Xindai Town,
Pinghu City, Jiaxing City, Zhejiang Province

☎ 86-13671551445

✉ sales@dmcomp.com

WeChat QR code



Facebook Company Page



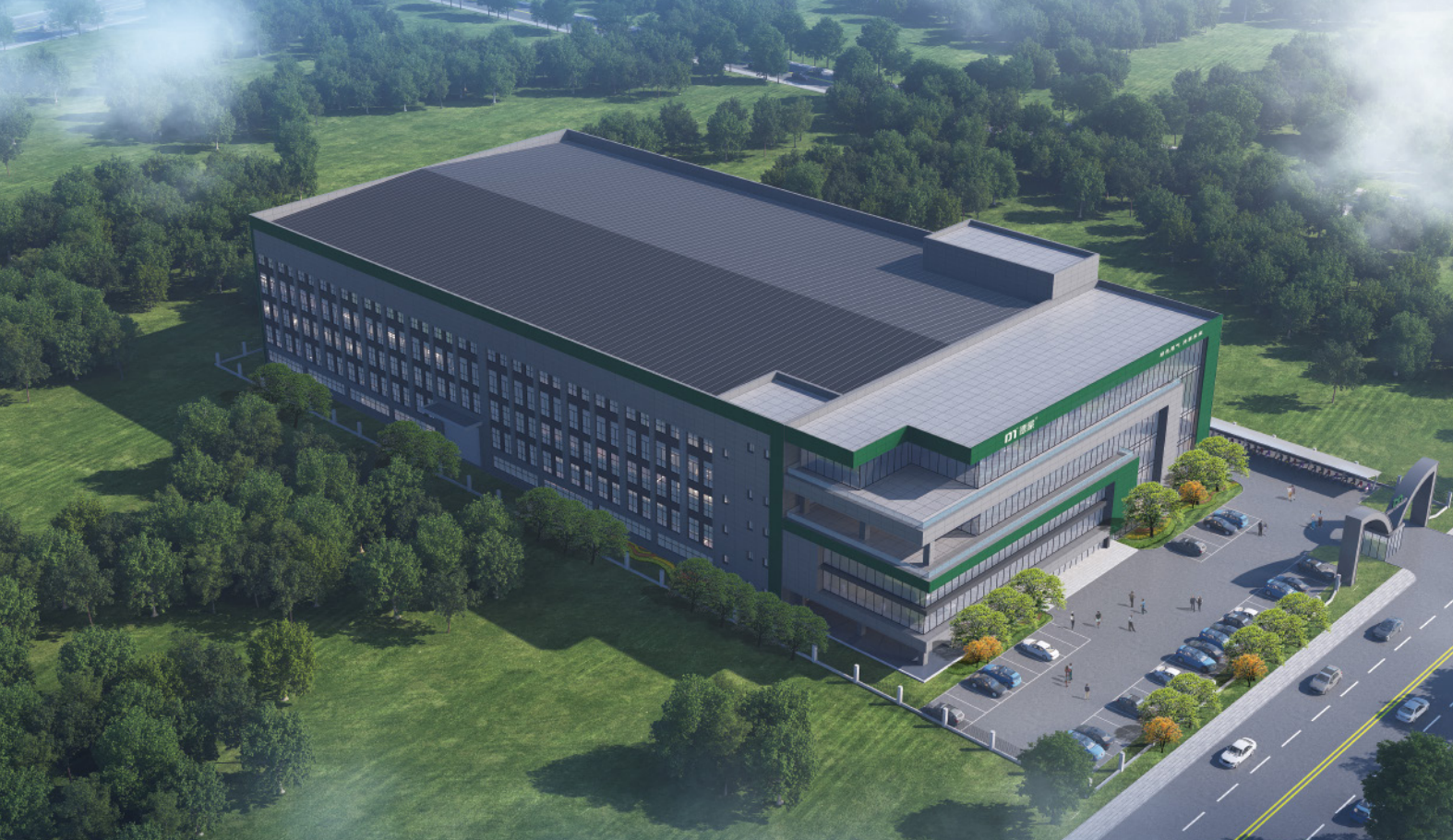
www.dreamcompressor.com
www.dmcomp.com

Dream(Shanghai) Compressor Co.,Ltd.



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ABOUT DREAM

 **45000** m²
factory area

 **100+**
Invention patents and honors

 **20+**
Regional branches/subsidiaries

Dream (Shanghai) Compressor Co., Ltd. which established in Shanghai in 2011. It is a company specialized in designing, manufacturing and marketing of air compressors, is A high-tech enterprise that sells and provides system solutions.

It has won honors such as Shanghai Brand Cultivation Demonstration Enterprise, special new enterprise, energy-saving equipment contribution enterprise, high-tech achievement transformation project, etc. The products are widely used in new energy, chemical industry & chemistry, Electronics, textiles, brewing mill, laser cutting, medicine & food and other fields.

Based on concepts of stable, energy-saving, clean, efficiency, simple operation & maintenance, DREAM insists on developing based on market demand and innovation. The company invests 10%-15% of its profits every year into R&D and the upgrading & optimization of products. Innovation is main driver for DREAM grow up. As manufacturer supplier of Air compressor system solutions, Our service cover client requirement analysis, site investigation, technical solution design, and project cost analysis, non-standard solution customization, solution demonstration and promotion. we provide exclusive compressed gas solutions based on project needs.

After development for 14+ years, Dream has always adhered to the enterprise spirit of "One heart One Dream, 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 service. Based in China, Dream's products has exported to worldwide countries successfully, mainly market as South Asia, South East Asia, Europe, Africa, South America, North America, and CIS countries, footprints all over the world. Its excellent product performance and efficient service concept continue to create value for users.

Dream will be always your trust partner. We believe that you will experience our high-quality products and professional services, by working with us. Welcome to pursue dream and create better future with DREAM together!

DREAM CULTURE



Vision

To be a global leader in gas compression intelligent equipment and system solutions service provider



Mission

Make Industry Air More Stable, More Clean, More Efficient



Value

One Heart. One Dream. Professional. Focus. Innovative. Win-win.

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



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,Eu-rope,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.



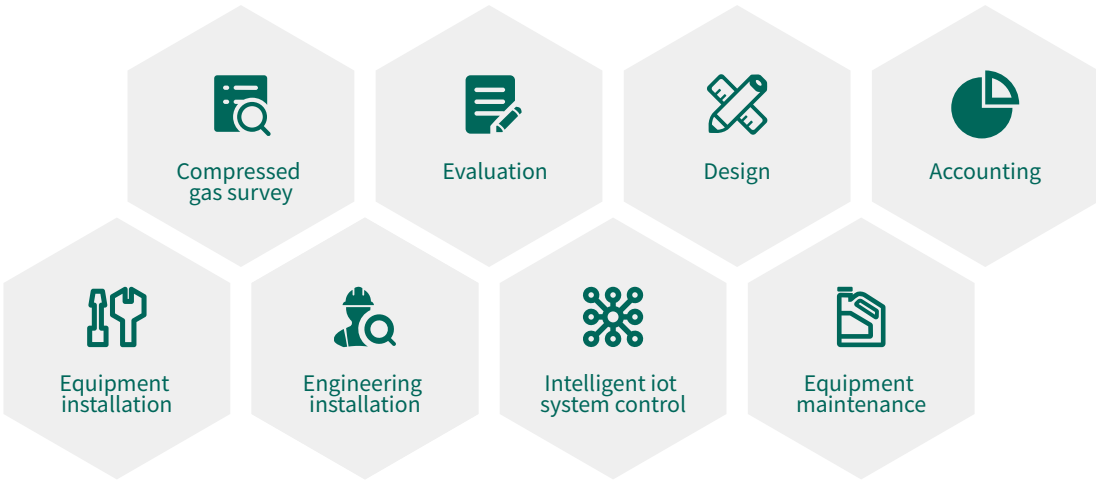
Dream Intelligent Manufacturing
Six core competencies



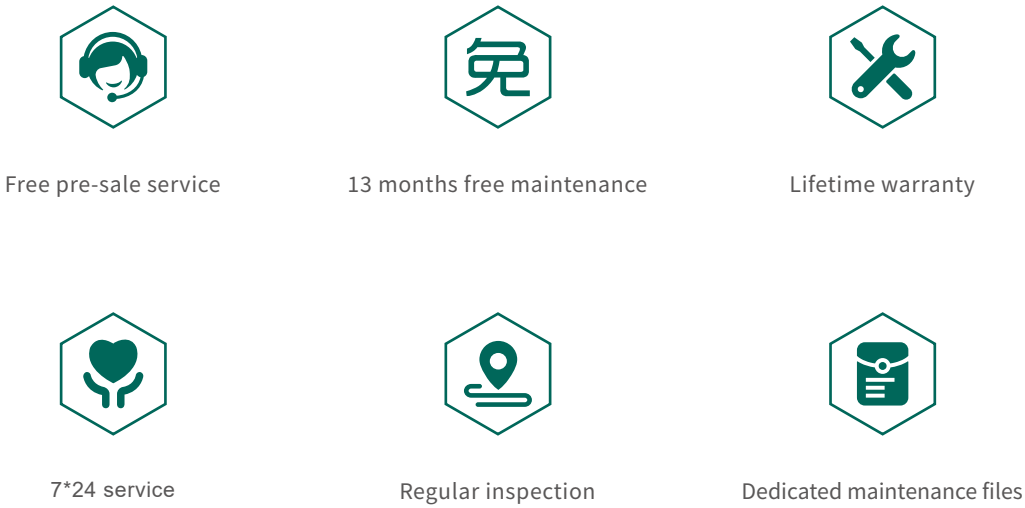
Full process cycle and service

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



Product Features

01 Durable, efficient and stable airend

High-efficiency motor with large starting torque; specially designed according to the blower performance curve to improve efficiency and reduce specific power; the motor can operate for a long time at 55°C, and the protection level is IP23.



02 Inlet filter

The air intake filtration accuracy can reach 15um, the pressure loss does not exceed 500Pa, clean air intake, low pressure drop, high efficiency, air intake and exhaust sound design, auxiliary sound insulation cover, lower noise.



03 Frequency Converter

Use high-quality inverters to achieve soft start, variable frequency speed regulation, improve operation accuracy, change power factor, and overcapacity/overvoltage/overload protection.



04 Lubricating oil pump/oil tank/cooling system

The forced lubrication system and active heat dissipation provide a stable host operating environment, ensuring that the airend runs more smoothly and reliably.



05 Control System

7-inch color graphic touch screen control, friendly interface, easy operation; 24-hour warning notification, remote operation support; intelligent dynamic display, fault analysis and recovery, multi-machine joint control.



06 Noise reduction system

The muffler is combined with a low-noise profile machine head, and the drive components adopt a vibration-insulated structure, and the intake and exhaust noise is reduced to achieve a low-noise production space.



07 Systematization

Excellent performance components, after systematic design and combination by DREAM, greatly reduce the operating failure of the unit, achieve higher exhaust pressure, more sufficient air output, and lower energy consumption.



Blower technical parameters

Model	power (kw)	Pressure (kpa)	Capacity (m³/min)	Airend speed (rpm)	Outlet diameter	Dimensions			Lubricating oil quantity	noise	weight
						Length	width	height			
DFV-22G	22	100	13.8	3300	DN125	2300	1350	1900	35	73	2200
		120	11	2900		2300	1350	1900	35	73	2200
		150	8.1	2400		2300	1350	1900	35	73	2200
		180	5.42	2000		2300	1350	1900	35	74	2200
		200	/	/		/	/	/	/	/	2200
DFV-30G	30	100	19.2	4250		2300	1350	1900	35	74	2200
		120	16.3	3800		2300	1350	1900	35	74	2200
		150	12.6	3200		2300	1350	1900	35	74	2200
		180	9.55	2750		2300	1350	1900	35	也	2200
		200	9.26	2750		2300	1350	1900	/	75	2200
DFV-37G	37	100	23	5000		2300	1350	1900	35	75	2400
		120	20.4	4500		2300	1350	1900	35	75	2400
		150	15.77	3800		2300	1350	1900	35	75	2400
		180	12.54	3300		2300	1350	1900	35	78	2400
		200	12.25	3300		2300	1350	1900	35	78	2400
DFV-45G	45	100	28.7	3300		2300	1350	1900	35	18	3200
		120	23.4	2900		2300	1350	1900	35	78	3200
		150	17.25	2500		2300	1350	1900	35	78	3200
		180	15.6	2200		2300	1350	1900	35	80	3200
		200	/	/		2300	1350	1900	35	80	3200
DFV-55G	55	100	35	3900	DN150	2300	1350	1900	35	80	3200
		120	30.8	3500		2300	1350	1900	35	80	3200
		150	24.8	3000		2300	1350	1900	35	80	3200
		180	18.85	2500		2300	1350	1900	35	80	3200
		200	18.43	2500		2300	1350	1900	35	80	3200
DFV-75G	75	100	41.98	4500		2300	1350	1900	35	80	3500
		120	37.8	4200		2300	1350	1900	35	80	3500
		150	32.7	3800		2300	1350	1900	35	80	3500
		180	26.5	3300		2300	1350	1900	35	82	3500
		200	26.07	3300		2300	1350	1900	35	82	3500
DFV90G	90	100	57.3	3000	DN200	3100	1700	2300	45	80	4000
		120	49.9	2750		3100	1700	2300	45	80	4000
		150	35.4	4000	DN150	2300	1350	1900	35	80	3500
		180	34.7	4000		2300	1350	1900	35		3500
		200	32.6	3800		2300	1350	1900	35		3500

Model	power (kw)	Pressure (kpa)	Capacity (m³/min)	Airend speed (rpm)	Outlet diameter	Dimensions			Lubricating oil quantity	noise	weight
						Length	width	height			
DFV-110G	100	100	66.96	3500	DN250	3100	1700	2300	45	82	4300
		120	62.1	3300		3100	1700	2300	45	82	4300
		150	48.5	2750		3100	1700	2300	45	82	4300
		180	43.05	2500		3500	1700	2300	45	82	4300
		200	40.3	2400		3100	1700	2300	45	82	4300
DFV-132G	132	100	86.4	2350	DN250	3500	1900	2600	45	82	5000
		120	74.1	2050		3500	1900	2600	45	82	5000
		150	60.78	3300	DN200	3100	1700	2300	45	82	4300
		180	49	2850		3100	1700	2300	45	82	4300
		200	46.6	2750		3100	1700	2300	45	82	4300
DFV-160G	160	100	101.5	2700	DN250	3500	1900	2600	45	85	5500
		120	87.1	2400		3500	1900	2600	45	85	5500
		150	73	3800	DN250	3100	1700	2300	45	85	5500
		180	65.28	3500		3100	1700	2300	45	85	5500
		200	58.8	3300		3100	1700	2300	45	85	5500
DFV-185G	185	100	107	2800	DN250	3500	1900	2600	45	85	5500
		120	92.58	2500		3500	1900	2600	45	85	5500
		150	77.68	2200		3500	1900	2300	45	85	5500
		180	71.9	3800	DN200	3100	1700	2300	45	85	5500
		200	66.8	3600		3100	1700	2300	45	85	5500
DFV-200G	200	100	115.6	3000	DN250	3500	1900	2600	45	85	5800
		120	105.61	2800		3500	1900	2600	45	85	5800
		150	90.69	2500		3500	1900	2600	45	85	5800
		180	75.96	2200		3500	1900	2600	45	85	5800
		200	75	2200		3500	1900	2600	45	85	5800
DFV-250G	250	100	/	/	/	/	/	/	/	/	/
		120	114.28	3000	DN250	3500	1900	2600	45	85	5800
		150	103.72	3000		3500	1900	2600	45	85	5800
		180	88.99	2500		3500	1900	2600	45	85	5800
		200	8795	2500		3500	1900	2600	45	85	5800

Energy Conservation

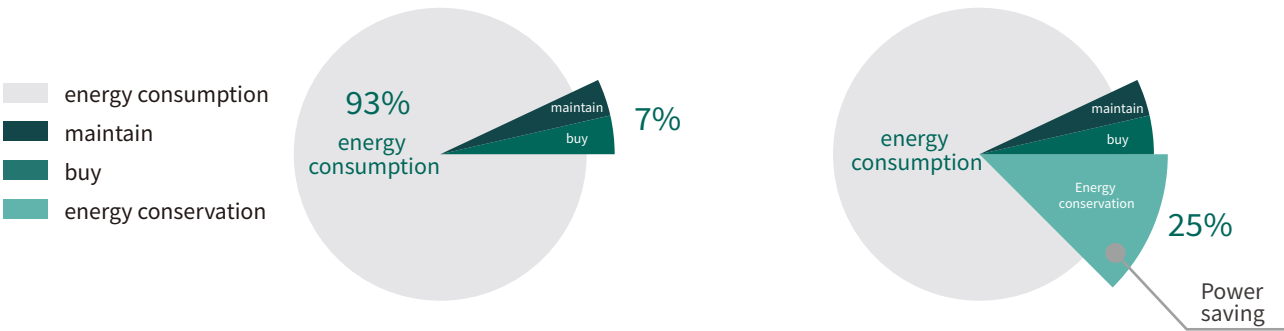
Air compressors are the "electric tigers" in industrial electricity consumption,with an average power consumption of 20%. We have made a series of efforts and research on how to use the same electricity to create more air to help users save energy,and have made important breakthroughs. The permanent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

— aking 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


Ordinary (power frequency) air compressor


Dream air compressor


Desmond 75KW air compressor
It saves about 25% of electricity a year

Intelligent control technology

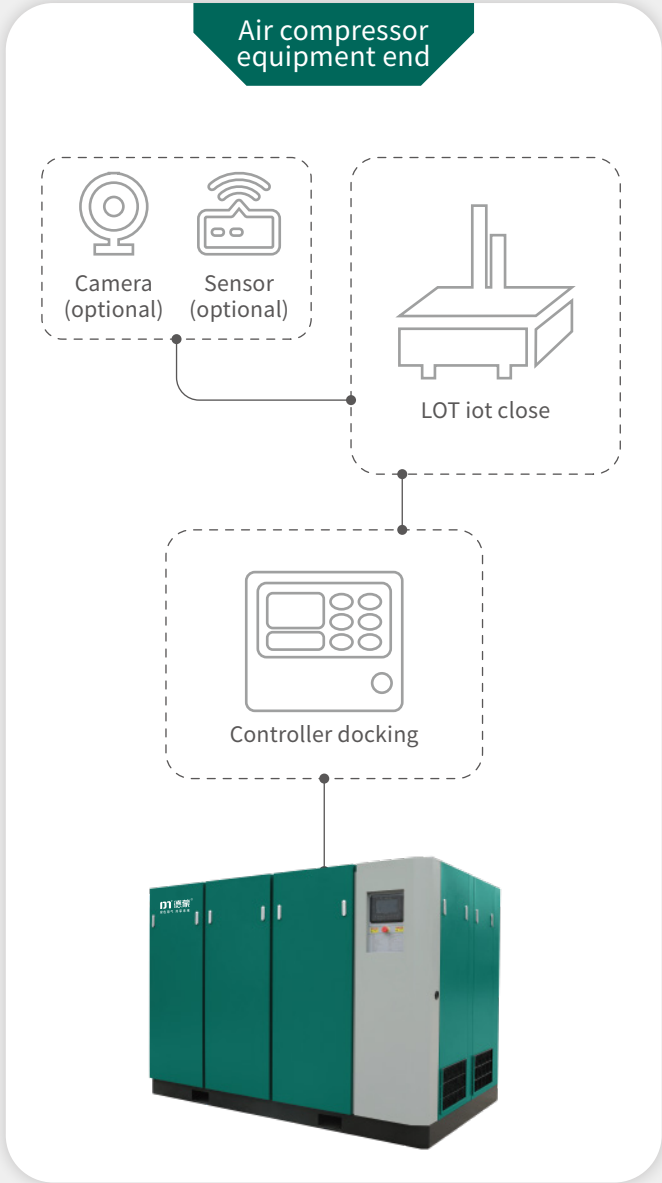
cloud intelligent control three functions and value

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Digital station intelligent control
reduce operation and maintenance costs by 10-30%
-- 3D virtual air compressor station
-- data Min monitoring
-- workshop diagnosis report
-- fault online prezi
-- maintenance cycle reminder
- 

Intelligent control Intelligent tuning
reduce manual labor time by 50%
-- automatic control of air compressor
-- AI algorithm autonomous tuning
-- dynamic decision-making of equipment priority
-- intelligent control of auxiliary equipment
- 

Whole station energy saving Whole station energy saving
save the power consumption of 5-30%
-- edge computing technology
-- narrow band constant voltage technology
-- multi-parameter and multi constraint control algorithm
-- big data visualization technology



Digital station house
Station monitoring + control (computer) air compressor, cold dryer, suction dryer, water, fan, waste heat recovery machine, flow meter, electricity meter, etc Intelligent monitoring technology Based on the "Internet of Things"

Intelligent monitoring technology
Based on the "Internet of Things" intelligent control technology, the product has the ability to transport parameters through cloud technology, and our users can achieve it through computers or mobile phone apps.

