

STABLE | ENERGY-SAVING | CLEAN | AND EFFICIENT



DMCY Series Diesel Portable Screw Air Compressor



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

☎ 86-21-67350068

✉ tanggaolu@dmcomp.com



www.dreamcompressor.com
www.dmcomp.com

Dream(Shanghai) Compressor Co.,Ltd.

01



DMCY Series
Diesel Portable
Screw Air Compressor

Catalogue／

- 01 About DREAM
- 02 DREAM culture
- 03 Corporate Honors
- 05 DREAM Intelligent Manufacturing
- 07 Product Features
- 09 DMCY Series Diesel Portable Screw Air Compressor
- 11 Energy saving and cost reduction
- 13 Intelligent control technology



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

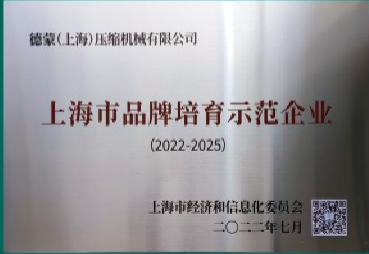


Value

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

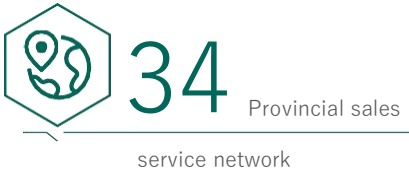
Enterprise honor

- 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



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,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.



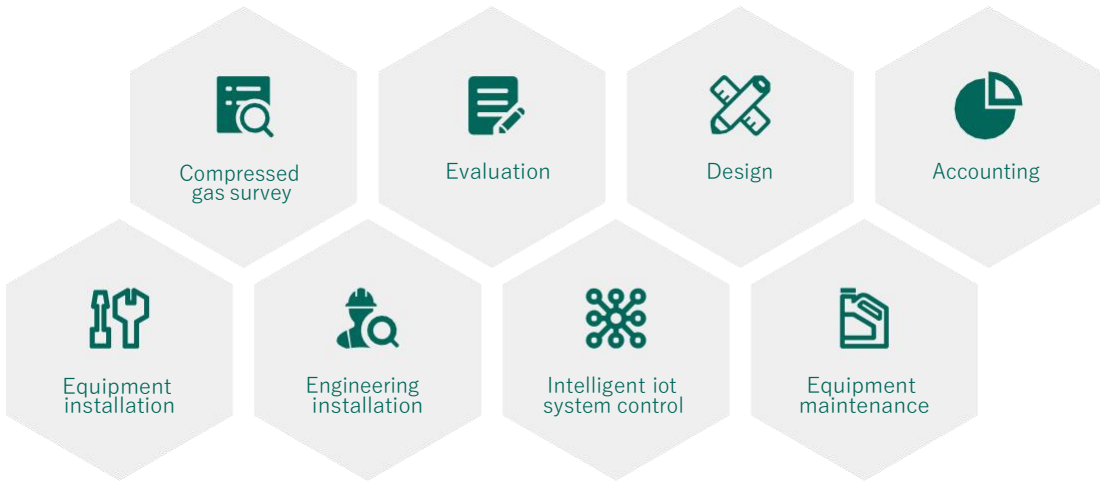
Dream Intelligent Manufacturing
Six core competencies



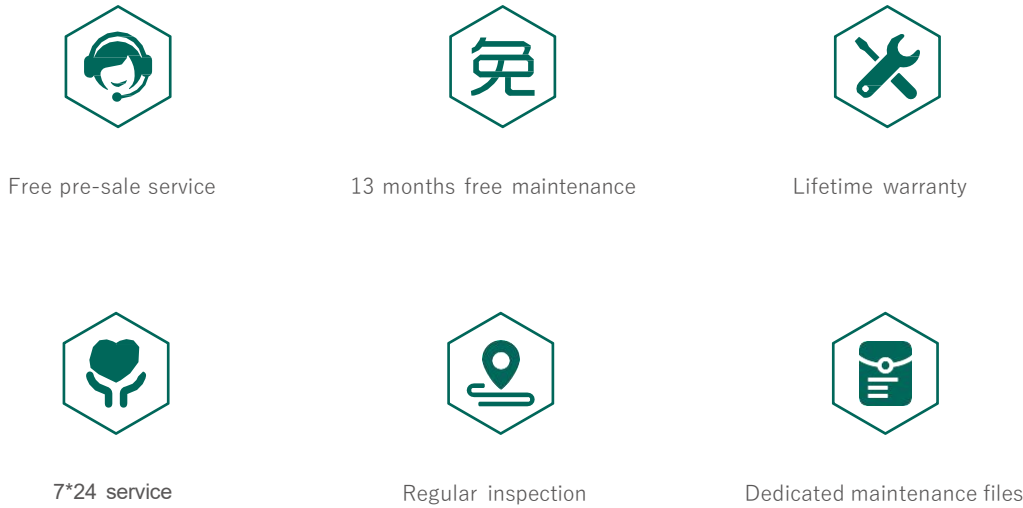
Full process cycle and service

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

3. Efficient two-stage compression screw air end, with a unique design that perfectly combines heritage and the latest technology. Carefully matched with heavy-duty construction machinery engines such as Yuchai/Cummins according to different power levels, the power is strong, stable and durable, and the fuel consumption is ultra-low. Suitable for applications in industries such as water well drilling, geothermal air drilling, rock foundation construction, oil and air field extraction, pipeline pressure testing, mining blasting, and non excavation down the hole drilling. Convenient and flexible walking system, dual axle mobile platform, meeting the needs of various harsh environments such as high temperature, high cold, high dust, and high altitude.

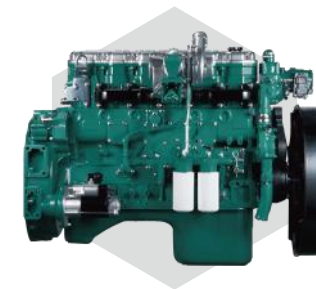
Intelligent Control System

1. It integrates functions such as protection, display, startup, shutdown, and loading, and has remote monitoring capabilities, providing nanny style services; Automatically adjust the engine speed and throttle according to the customer's air consumption, which is more fuel-efficient; 2. Single working condition, dual working condition, and multi working condition can be freely switched with one click.



Dongfeng Cummins Engine

1. Advanced design, exquisite manufacturing technology, reliable and durable; 2. Adapt to high-intensity and heavy load operations under harsh working conditions; 3. High cost-effectiveness and low maintenance costs.



Yuchai Engine

1. Adopting a complete fuel system from a German doctor, with lower fuel consumption; 2. High cost-effectiveness, low maintenance costs; 3. The 13 liter engine uses dual starting motors for better low-temperature starting performance.

Special Valve Group

1. Special inlet valve for screw compressor, easy to start unit, with automatic adjustment function for low flow rate, low pressure loss, reduced energy consumption, and low intake noise; 2. Reliable minimum pressure maintenance valve, low pressure loss, precise control, ultra fast reseating to ensure that the user's air does not flow back; 3. Normally closed intake valve and proportional valve regulate release, light load start: sensitive control for fast and stable loading and unloading, meeting air requirements for various working conditions.



Efficient and Stable Screw Air End

1. Large rotor, low speed, and super strong stability; 2. An efficient dual stage compression air end with lower specific power and greater energy efficiency; The screw rotor has a super long warranty period of 3.5 years or 10000 hours.



Fuel System

1. Large capacity fuel tank to reduce refueling frequency; 2. Multi stage fuel filters effectively protect fuel injectors and pumps; 3. Easy to replace and maintain design

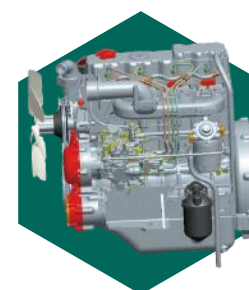


Energy Conservation and Environmental Protection

1. Reducing fuel consumption is our consistent pursuit and unremitting goal. Through rigorous and precise product design and intelligent control systems, we have achieved unprecedented levels of fuel efficiency.

QuanChai Engine

1. Fully ensuring the high reliability, strong power performance, and good economy of the entire machine. 2. Environmental Protection: The electronic fuel system precisely controls the fuel quantity according to the working conditions, with low smoke, clean and environmentally friendly. 3. Economy: Direct injection combustion, common rail power can be injected multiple times, sufficient combustion, low fuel consumption; High quality piston rings, wear-resistant and durable, with low oil consumption. 4. Durable: Alloy cast iron body, reinforced shaft system, long-lasting. 5. Strong: Long range, large torque reserve, strong idle load, powerful performance. Easy to install: interface platform design, good universality, compact structure, easy to install.



Portable air compressor



DMY series

Mobile screw air compressor

Mobile air compressors are small in size, light in weight, easy to transfer and install, and can be used in different workplaces. Simple structure, low maintenance cost, more convenient maintenance. The use of high-quality parts, can provide high performance, high efficiency, high stability of the work.



Flexible walking system



All the advantages of screw machine



Two axle moving platform



Higher efficiency

Electric single stage compression mobile screw air compressor

DMY-G series	power	Working pressure	Capacity	Air outlet pipe diameter	net weight	form	dimensions(mm)		
	kW	bar	(m³/min)		kg		length	width	height
DMY-30G-8	30	8	5.0	G1" +G1.5"	485	Single stage	1620	860	1100
DMY-90G-14.5	90	14.5	13.0	G1" +G1.5"	1800	Single stage	2550	1400	1800
DMY-132G-17	132	17	15.0	G1" +G2"	2480	Single stage	3100	1700	2050
DMY-110G-8	110	8	20.0	G1" +G2"	2500	Single stage	3100	1700	2050
DMY-132G-8	132	8	24.0	G1" +G2"	2600	Single stage	3100	1700	2050
DMY-185G-13	185	13	26.0	G1" +G2"	3500	Single stage	3500	1950	2650

Electric two-stage compression mobile screw air compressor

DMY-Z series	power	Working pressure	Capacity	Air outlet pipe diameter	net weight	form	dimensions(mm)		
	kW	bar	(m³/min)		kg		length	width	height
DMY-90Z-13.8	90 (Four-stage machine)	13.8	18.0	G1" +G2"	2690	Double stage	3100	1700	2050
DMY-90Z-14.5	90 (Four-stage machine)	14.5	18.0	G1" +G2"	2690	Double stage	3100	1700	2050
DMY-90Z-15	90 (Four-stage machine)	15	17.0	G1" +G2"	2690	Double stage	3100	1700	2050
DMY-132Z-18	132	18	21.0	G1" +G2"	2700	Double stage	3100	1700	2050
DMY-132Z-19	132	19	22.0	G1" +G2"	2800	Double stage	3100	1700	2050
DMY-185Z-24	185 (Four-stage machine)	24	23.0	G1" +G2"	3300	Double stage	3500	1950	2650
DMY-185Z-18	185 (Four-stage machine)	18	28.0	G1" +G2"	3300	Double stage	3500	1950	2650
DMY-200Z-20	200	20	26.0	G1" +G2"	3400	Double stage	3500	1950	2650
DMY-250Z-20	250	20	30.0	G1" +G2"	4000	Double stage	3600	1950	2650

Diesel single stage compression mobile screw air compressor

DMCY series	Matching power	Working pressure	Capacity	Air outlet pipe diameter	net weight	form	dimensions(mn)		
	kW	bar	(m³/min)		kg		length	width	height
DMCY-5/8(2 tyries)	36.3Quanchai	8	5.0	G1" +G3/4"	1250	Single stage	3193	1446	1428
DMCY-13/8	150 Yuchai	8	13.0	G1" +G1.5"	2500	Single stage	2900	1700	1800
DMCY-10/10	150 Yuchai	10	10.0	G1" +G1.5"	2500	Single stage	2900	1700	1800
DMCY-18/13	190 Yuchai	13	18.0	G1" +G1.5"	2550	Single stage	2900	1700	1800
DMCY-15/15	190 Yuchai	15	15.0	G1" +G1.5"	2550	Single stage	2900	1700	1800
DMCY-16/17	210 Cummins	17/14	16/18	G1" +G2"	2750	Single stage	3100	1700	2250
DMCY-17/17	220 Yuchai	17/14	17/18	G1" +G2"	2750	Single stage	3100	1700	2250
DMCY-19/17	260 Yuchai	17	19.0	G1" +G2"	3000	Single stage	3300	1900	2650
DMCY-5/10	80 Yuchai	10	5.1	G1-1/2" ,2*G1-1/4"	1820	Single stage	3800	1900	1900

Wood-driven two-stage compression mobile screw air compressor

DMCY series	Matching power	Working pressure	Capacity	Air outlet pipe diameter	net weight	form	dimensions(mm)		
	kW	bar	(m³/min)		kg		length	width	height
DMCY-15/17	190 Yuchai	17/13	15/17	G1" +G2"	3000	Dual stage and dual operating conditions	3100	1700	2050
DMCY-15/16	220 Yuchai	18/14	18/20	G1" +G2"	3000		3100	1700	2050
DMCY-17/18	220 Cummins	18/14	17/19	G1" +G2"	3100		3100	1700	2050
DMCY-20/22	260 Cummins	22	20.0	G1" +G2"	3200	Double stage	3300	1900	2250
DMCY-19/21	260 Yuchai	21/17	19/21	G1" +G2"	3300	Dual stage and dual operating conditions	3300	1900	2250
DMCY-21/18	260 Yuchai	18/14	21/24	G1" +G2"	3300		3300	1900	2250
DMCY-28/18	360 Cummins	18/15	28/30	G1" +G2"	3900		3500	1950	2650
DMCY-30/20	360 Cummins	20/15	30/31	G1" +G2"	3900	Dual stage and dual operating conditions	3500	1950	2650
DMCY-31/25	400 Cummins	25/18	31/33	G1" +G2"	4000		3600	1950	2750
DMCY-29/23	400 Yuchai	23/18	29/32	G1" +G2"	4000		3600	1950	2700
DMCY-36/30	550 Cummins	30/20	36/42	G1" +G2"	4800	Dual stage and dual operating conditions	4000	2000	2850
DMCY-20/8	220 Yuchai	8	20.0	G1" +G2"	2700	Double stage	3100	1700	2050
DMCY-27/8	260 Yuchai	8	27.0	G1" +G2"	3300	Double stage	3300	1900	2250
DMCY-25/10	260 Yuchai	10	25.0	G1" +G2"	3300	Double stage	3300	1900	2250
DMCY-33/10	360 Cummins	10	33.0	G1" +G2"	3900	Double stage	3500	1950	2650
DMCY-15/16	190 Yuchai	16	15	G2x1,G3/4x1	2200	Double stage	3000	1520	2200

Energy Conservation

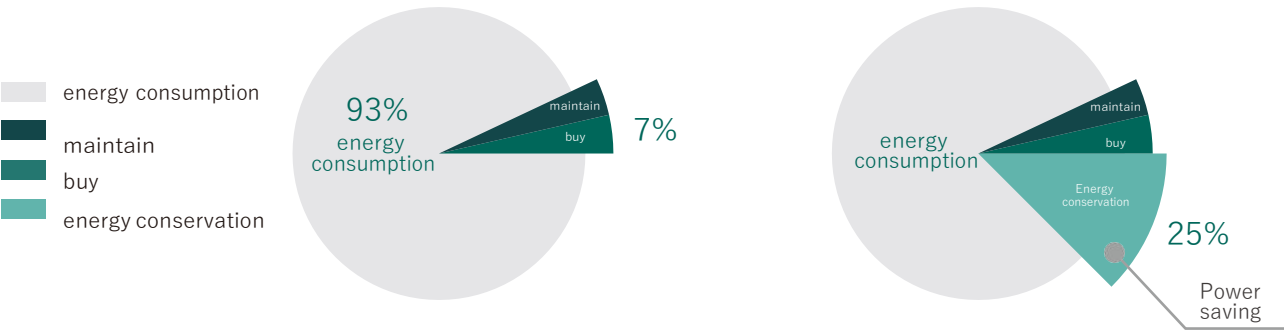
Air compressors are the "electric tigers" in industrial electricity consumption,with an average power consumption of 20%. We have made a series of efforts and research on how to use the same electricity to create more air to help users save energy,and have made important breakthroughs. The permanent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

- 

Digital station intelligent control
reduce operation and maintenance costs by 10-30%

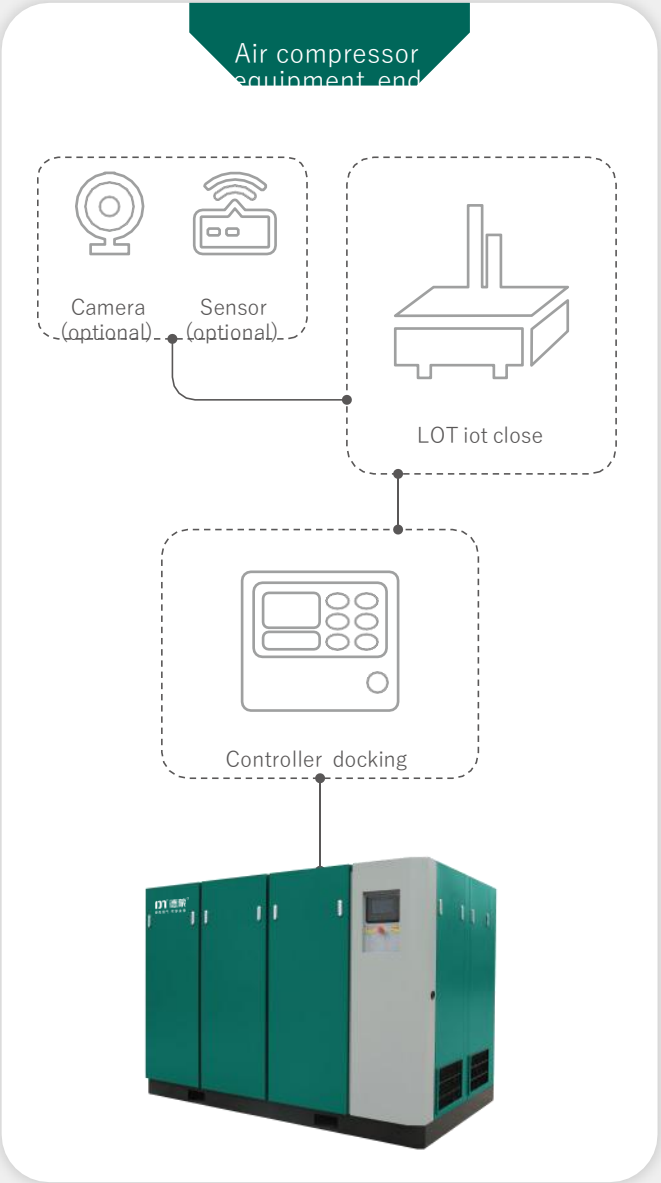
 - 3D virtual air compressor station
 - data Min monitoring
 - workshop diagnosis report
 - fault online prezi
 - maintenance cycle reminder
- 

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.

