



COMPANY PROFILE



2009

THE YEAR OF ESTABLISHMENT
OF THE ENTERPRISE



120000+

PLANT AREA
(SQUARE METRES)



TOP 1

CHINESE MARKET SHARE OF
PRIVATE GENERATOR COMPANIES

Founded in 2009 and located in Yixing City, Jiangsu Province, China, our company is a national high-tech enterprise specializing in the R&D, production and sales of wind power generators.

With a registered capital of RMB 107.36 million and a total site area of 173,000 square meters, the company operates over 120,000 square meters of modern production facilities and more than 300 employees. Huayong hosts a provincial-level Engineering Technology Center for Permanent Magnet Wind Generators and has obtained ISO9001, ISO14001, and ISO45001 certifications. Over the years, the company has been honored with multiple awards from local governments, including "Advanced Enterprise" and "Star Enterprise."

We have built an R&D and manufacturing team composed of senior industry experts with outstanding R&D capabilities in core motor fields including electromagnetic design, mechanical structure and ventilation cooling. The company has introduced German LDW doubly-fed generator technology and independently developed high-power doubly-fed generators of 5MW and above. Its core product lines include: Doubly-fed asynchronous generators, Squirrel-cage asynchronous generators, Permanent magnet semi-direct drive generators, which can adapt to various complex operating conditions such as high altitude and offshore wind farms. We possess full-range R&D and design capacity for 1.5MW-10MW wind generators and a mass production capacity of 4,000 units per year.

As of December 2025, we have supplied over 15,000 generators in total. Our core customers include leading turbine manufacturers such as United Power, Envision Energy, Mingyang Smart Energy, Mingyang Smart Energy, Windey, SANY Renewable Energy, and Vestas. The total installed capacity of turbines equipped with Huayong generators exceeds 60GW, covering more than 300 wind farms worldwide. We support OEM manufacturers in Vietnam, India, Saudi Arabia, Uzbekistan and other countries, with around 700 units installed overseas in total. Some of our generators have been operating safely and stably for more than 15 years. In 2025, our products successfully passed prototype tests of all models for Goldwind and CRRC Zhuzhou Institute, and overseas customer development and market expansion are progressing steadily. At present, the shipment volume of our core products ranks top 3 in China's wind generator market and No.1 among private enterprises.

In the future, Huayong will continue leveraging regional industrial advantages and national renewable energy policies to actively support China's "3060" carbon-peaking and neutrality goals. The company is committed to increasing R&D investment, advancing the development and manufacturing of ultra-large megawatt onshore wind generators, and breaking new ground in offshore wind generator technologies. With a focus on high-end, intelligent, and clean energy solutions, Huayong aims to lead the domestic wind generator industry toward smarter, more integrated, and electromechanical innovations—striving to become a frontrunner in clean energy wind power and contribute to the high-quality development of energy transformation and renewable energy equipment.



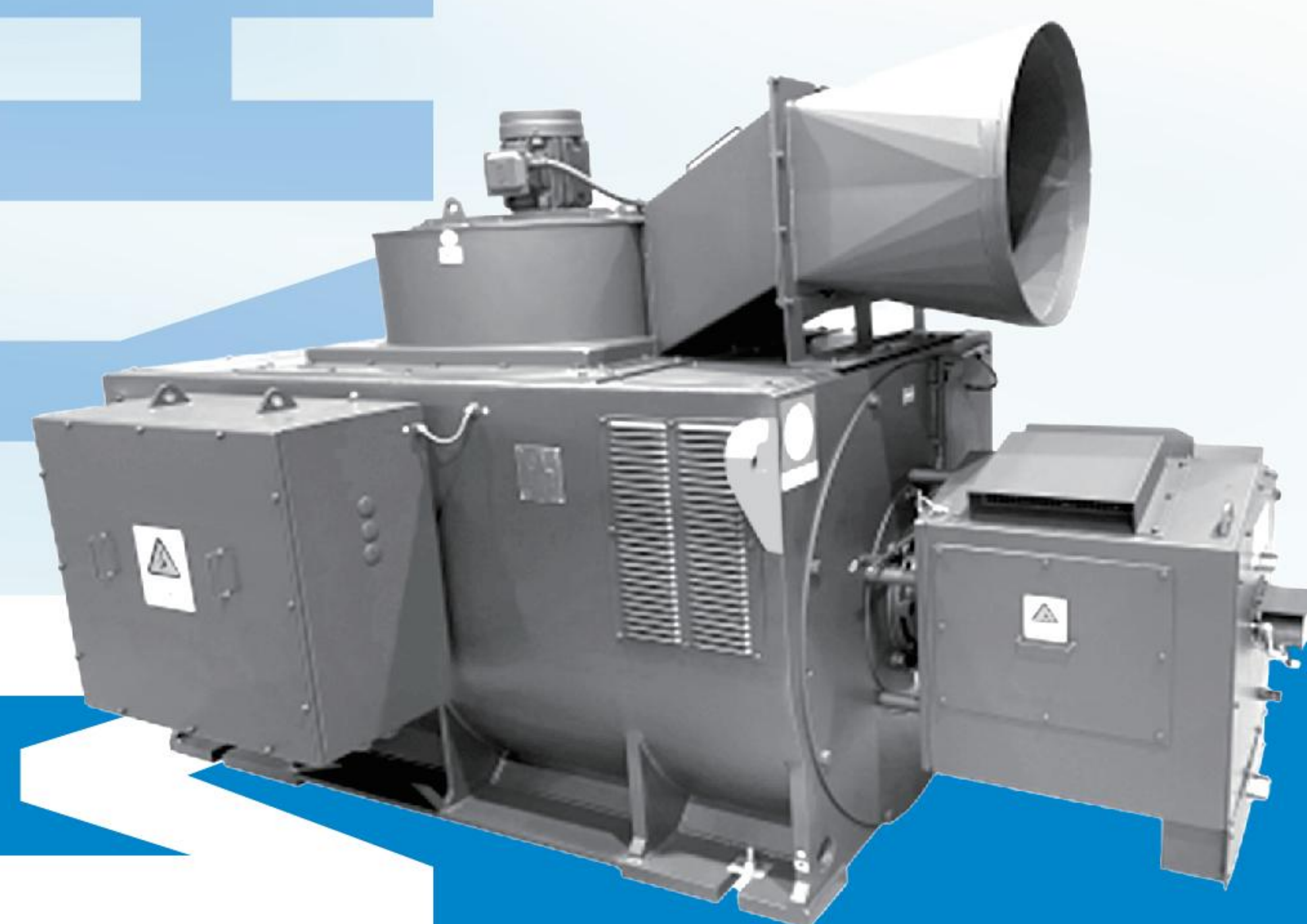
<https://www.newhuayong.com>

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PRODUCT MANUAL



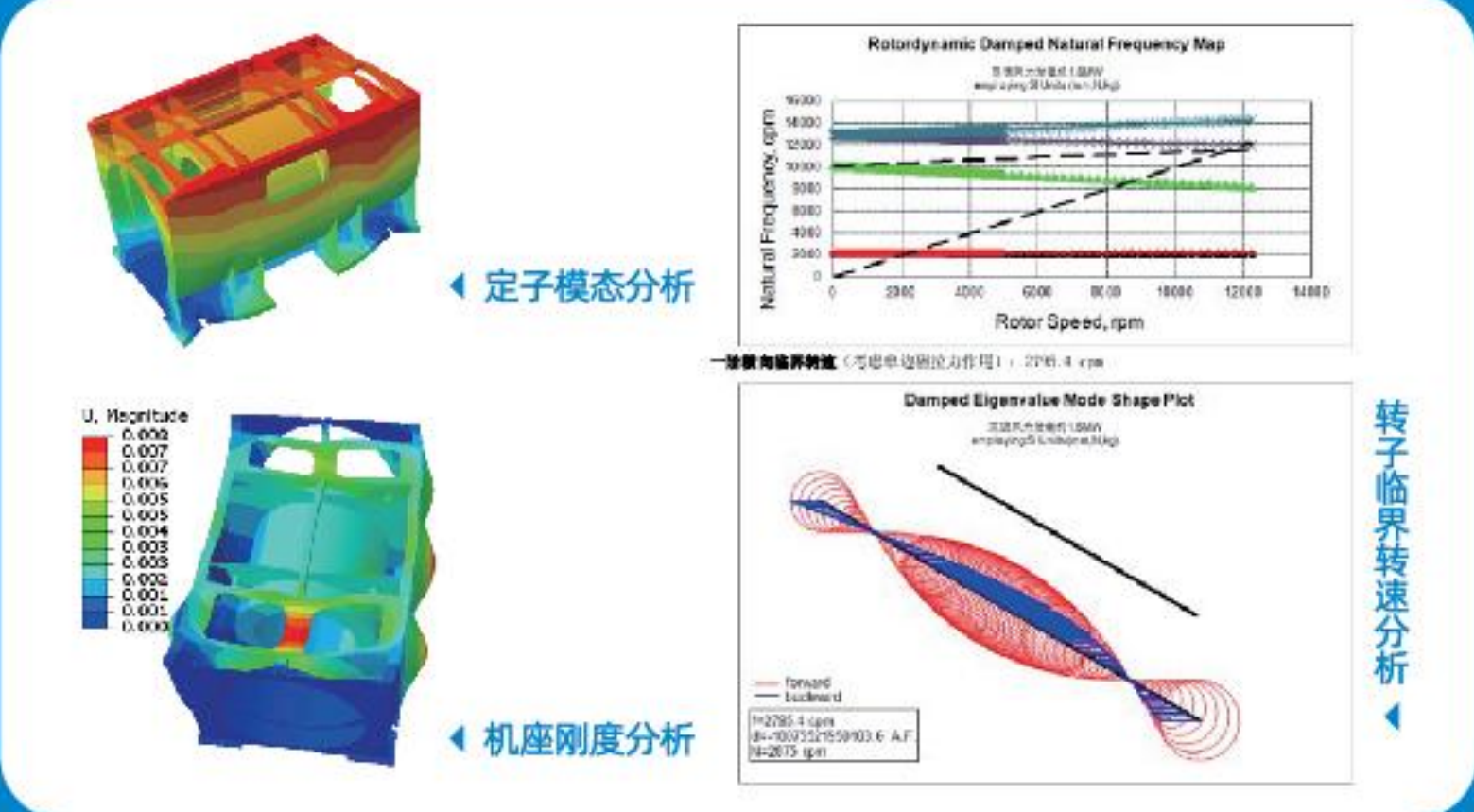
NEW Huayong Motor

Yixing Huayong Motor Co., Ltd
YIXING · CHINA

PURSuing EXCELLENCE EXCEEDING CUSTOMER EXPECTATIONS

R&D CAPABILITY

- Specialized Design capability
- Full range of hardware and software design configuration
- Senior professional team to meet customer needs
- Product life cycle management



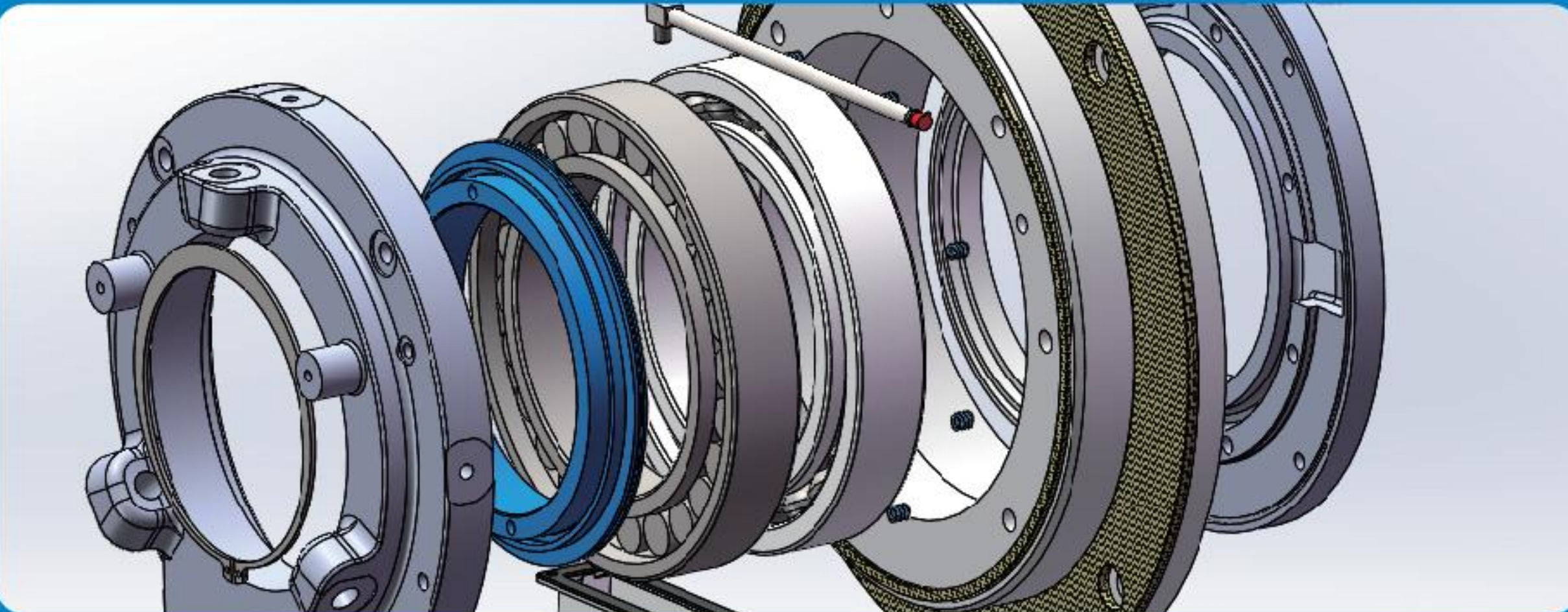
LEAN MANUFACTURING MANAGEMENT

- Lean Product Manufacturing
- Lean process quality control

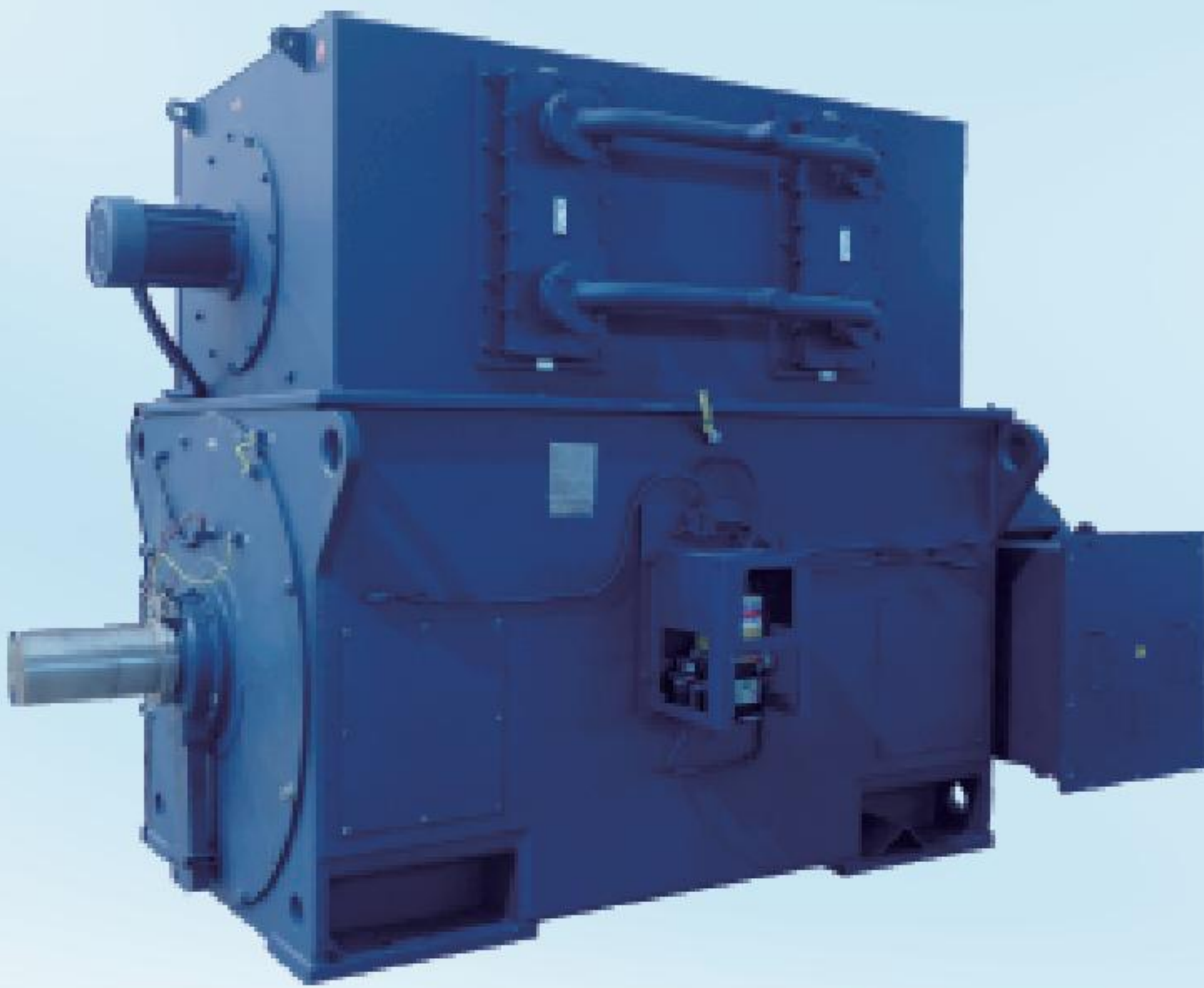


COST-EFFICIENT AND ACCESSIBLY SUPPLY CHAIN OF GENERATOR PROVIDE STRONG SUPPORTING TO MARKET EXPANSION

- Mature parts supporting supply chain
- Complete supplier management and audit mechanism
- Joint R&D to help product optimization



DOUBLE-FED ASYNCHRONOUS GENERATOR



Double-fed asynchronous generator (Air/water cooling)



Double-fed asynchronous generator(Direct cooling)

The main technical parameters in mass production of 3.XMW~8.XMW doubly-fed asynchronous wind generators are shown in the table below.

Technical parameter	3.XMW	4.XMW	5.XMW	6.XMW	7.XMW	8.XMW
Rated Power/kW	3750	4500	5850	6600	7800	8800
Rated Voltage/V	690	690/1140	1140	1140	1140	1140
Rated speed/rpm	980~2000	980~2000	980~2000	990~2000	990~2000	990~2000
Number of poles	4/6	4	4	4	4	4
Cooling method	IC86/IC26	IC86/IC26	IC26	IC26	IC26	IC26
Weight/kg	8200	8500	11100	11600	11800	12600
Power density Max (kW/kg)	0.457	0.529	0.527	0.569	0.661	0.698

10.XMW DOUBLE-FED ASYNCHRONOUS GENERATOR

The main technical features of the generator are as follows:

- Satisfy the demand of 9.0~11MW unit;
- Satisfy the normal operation of low speed and large load conditions;
- More reliable rotor and slip ring system connection structure design;
- Higher generator power density: generator design weight ≤ 15000kg, generator power density MAX is 0.71kW/kg.



Technical parameter						
Rated Power/kW	Rated Voltage/V	Rated speed/rpm	Number of poles	Insulation class	Cooling method	Weight/kg
11MW(Max)	1140	1700	4	H/F	IC26	≤15000kg

SQUIRREL CAGE ASYNCHRONOUS GENERATOR



Technical parameter		
Rated Power/kW	4.8MW	5.1MW
Rated Voltage/V	690V	690V
Rated speed/rpm	1680rpm	1680rpm
Number of poles	4	4
Insulation class	H/F	H/F
Cooling method	IC86	IC86
Weight/kg	≤11299kg	≤11500kg

SEMI-DIRECT-DRIVE PERMANENT MAGNET SYNCHRONOUS GENERATOR



Technical parameter	
Rated Power/kW	4.23MW
Rated Voltage/V	1380V
Rated speed/rpm	1050rpm
Number of poles	10
Insulation class	H/F
Cooling method	IC26
Weight/kg	≤14500kg