



## COMPANY INTRODUCTION

WANSHSIN Seikou (Hunan) Co., Ltd is a professional gear motor manufacturer integrating in R&D, production, sales and service, specialized in planetary gearboxes, harmonic reducers, R.F.K.S gear motors, AC gear motors, permanent magnet motors, servo motors etc., which are widely used in robots, machinery, logistic, parking system and other industrial automation field.

Area <b>120,000</b> sqm	Employees <b>800+</b>	R&D Offices <b>Japan\ShenZhen ChangSha</b>	Equipment <b>300+</b>	Certificates <b>CE\SGS ISO9001</b>	Patents <b>80+</b>
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## OUR VISION

Committed to building a world-class electromechanical brand

## OUR MISSION

Strive to the development of world's industrial intelligent system

## OUR CONCEPT

Integrity, Progressive, Efficient, Win-win

RELIABLE

REASONABLE

READY



# DC BRUSHLESS NEGATIVE PRESSURE FAN



COMMITTED TO BUILDING A WORLD-CLASS INTELLIGENT ELECTROMECHANICAL BRAND

# Professional Ventilation & Cooling Solution Provider



## Product Parameters

Model No.	WX-PMSM-1-037	WX-PMSM-1-055	WX-PMSM-1-075	WX-PMSM-1-110
Blade diameter (mm)	860mm	1060mm	1260mm	1420mm
Air volumn(m <sup>3</sup> /H)	22000(M <sup>3</sup> /H)	32000(M <sup>3</sup> /H)	40000(M <sup>3</sup> /H)	50000(M <sup>3</sup> /H)
Rated power(W)	375W	550W	750W	1.1kw
Rated voltage(V)	220V	220V	220V	220V
Height(mm)	860mm	1060mm	1260mm	1460mm
Width(mm)	860mm	1060mm	1260mm	1460mm
Thickness(mm)	560mm	560mm	560mm	580mm

## Product Performance Characteristics

- Bell mouth design is characterized by low noise, large air volume, strong wind pumping, high efficiency and low cost
- Imported bearing, high strength, low noise, durable
- PVC shutter or aluminum shutter SYNTHESIZED by the principle of air flow, anti-oxidation, light weight, no deformation, flexible opening, Prevent air from flowing back
- Direct drive motor shaft directly lock vane disc, high stability strength, good toughness, low failure rate
- Plastic steel blade, no deformation, no fracture, attractive and durable

## Product features

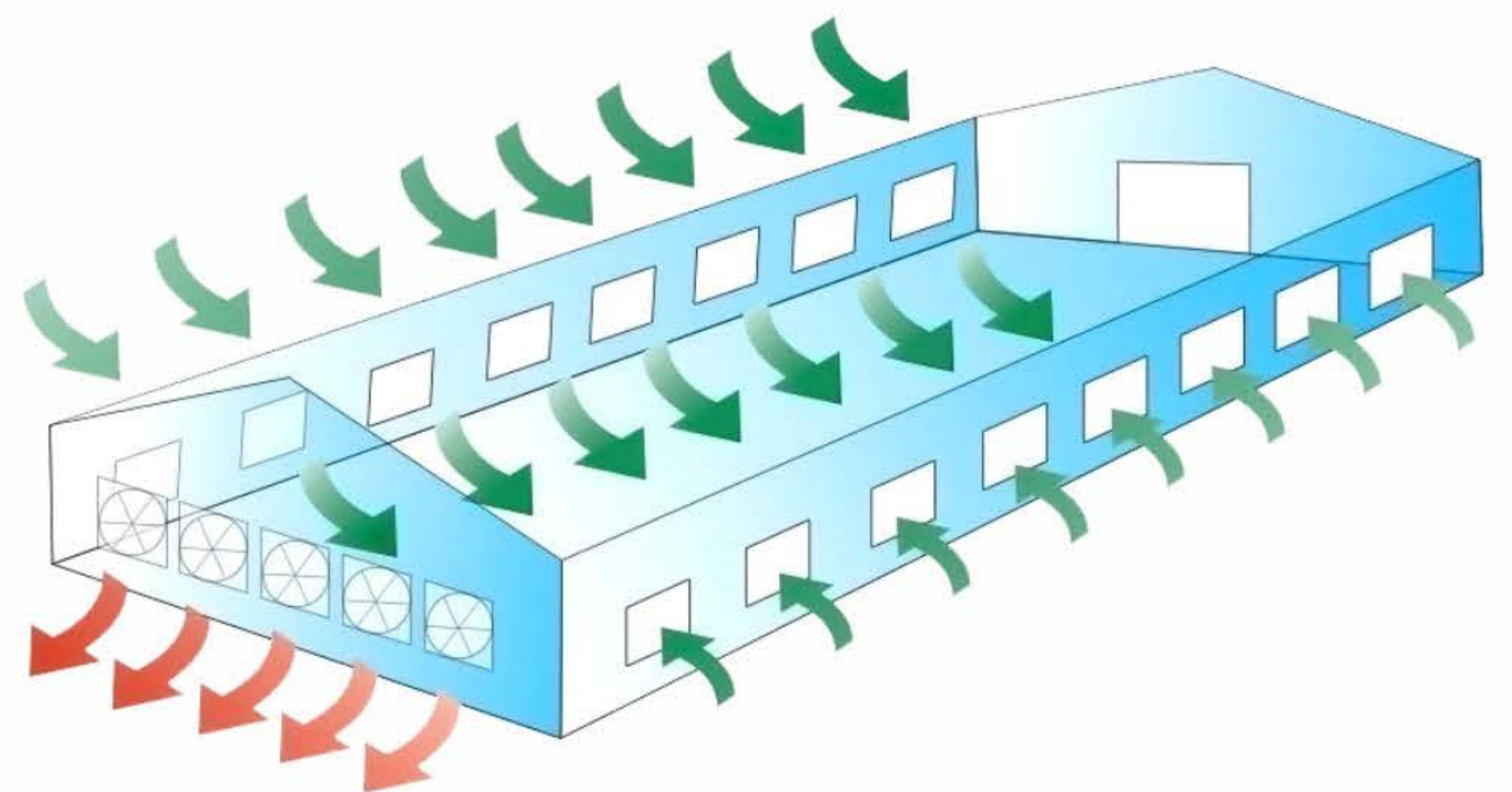
- **Energy saving** : less power consumption, only about 10%-15% power of traditional air conditioners
- **Environmental protection** : Freon-free (CFC)
- **Fast cooling effect** : after the outside air enters the room through the cooling water, the indoor temperature on the cooling water curtain side can reduce 5-10 degrees
- **Fast exhaust speed** : hot and odorous air is replaced and exhausted outdoors
- **Effective control of environment** : different wind speeds result in a cool wind effect, making people feel unusually comfortable and refreshing
- **Effectively prevent the spread of sudden influenza disease** : birds, mosquitoes, flies are vectors of infectious diseases, since the water curtain ventilation system is sealed by negative pressure, it will reduce the probability of the spread of disease vectors, allowing the staff to work in a comfortable, safe and secure environment.
- **High efficiency and energy saving** : saving about 3000kWh electricity per fan per year

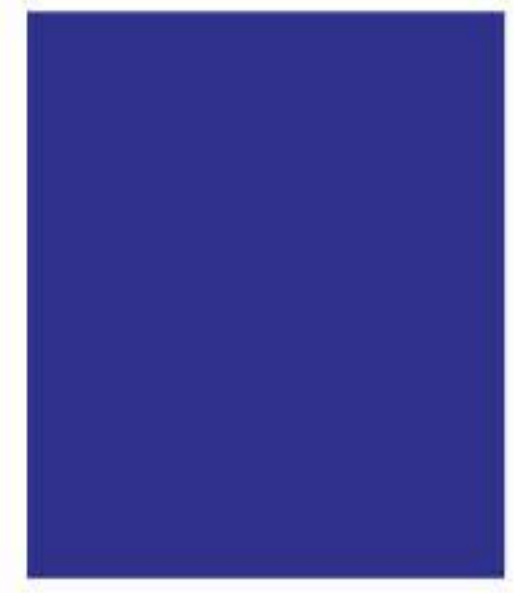
## Applications

It is suitable for workshops with high temperature or unpleasant odor, such as heat treatment plants, casting plants, aluminum factories, shoe factories, leather goods factories, electroplating factories, various chemical factories, etc.

In an independent space, such as a factory building or a pipeline, a negative-pressure air fan or other air extractor device is installed at one end of it to generate air flows in and out, which causes a negative pressure, the forward air supply is called positive pressure. Negative pressure can discharge the hot air, odor and dust out of the factory. To create air convection in independent spaces, the total volume, total area, wind speed per second and air changes per hour of the plant need to be accurately calculated except the exhaust equipment.

- Remove excess heat in the workshop timely
- Increase oxygen rate thus improve work efficiency and production capacity
- Remove the exhaust gas and unpleasant odor in time
- Prevent the build-up of influenza virus efficiently
- Remove excess moisture to reduce the erosion of equipment and the discomfort of personnel
- Remove the smoke and dust in the workshop in time





# DC Brushless Permanent Magnet Motor



## Motor Characteristics

- Waterproof, sealed, household appearance design, high protection level;
- High efficiency, ultra-low energy consumption design, 30 to 50% energy saving than Asynchronous motor ;
- Long life, low noise, maintenance-free, high reliability design;
- Low speed, high torque, no blind point quick start, stable load operation;
- A variety of operating modes, large speed range, remote speed control;
- Motor and driver integration design, function, speed regulation, operation and installation is simple.

Rated voltage V/Hz	Rated current (A)	Rated power (KW)	Rated torque (N.M)	Rated speed (RPM)	Speed range (RPM)	工作方式 (/)	Insulation grade (IP)	Protection grade (IP)
WX-PMSM-1-037	220	375	3.7	960	/	S1	F	65
WX-PMSM-1-055	220	550	7.5	700	/	S1	F	65
WX-PMSM-1-075	220	750	12	600	/	S1	F	65
WX-PMSM-1-110	220	1100	23	450	/	S1	F	65
WX-PMSM-1-037-T	220	375	3.7	960	200-960	S1	F	65
WX-PMSM-1-055-T	220	550	7.5	700	200-700	S1	F	65
WX-PMSM-1-075-T	220	750	12	600	200-600	S1	F	65
WX-PMSM-1-110-T	220	1100	23	450	200-450	S1	F	65

- W/ T: adjustable speed; W/O T: fixed speed



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