



Perfect Solution for heat, odorous, muggy and dusty area.  
Product of Taiwan | One Year Warranty | Permanent Service

Swift & Effective  
**COMPANY PROFILE**

*We care about your needs*



**Ya Suh Dar Co., Ltd.**

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**Tainan Branch**

No.86, Ln. 256, Yilin Rd., Rende Dist., Tainan City 71752, Taiwan

**Kaohsiung Branch**

No.38, Taishang Rd., Gangshan Dist., Kaohsiung City 82055, Taiwan



Ming Lun Electric Machinery Industrial Co., Ltd.



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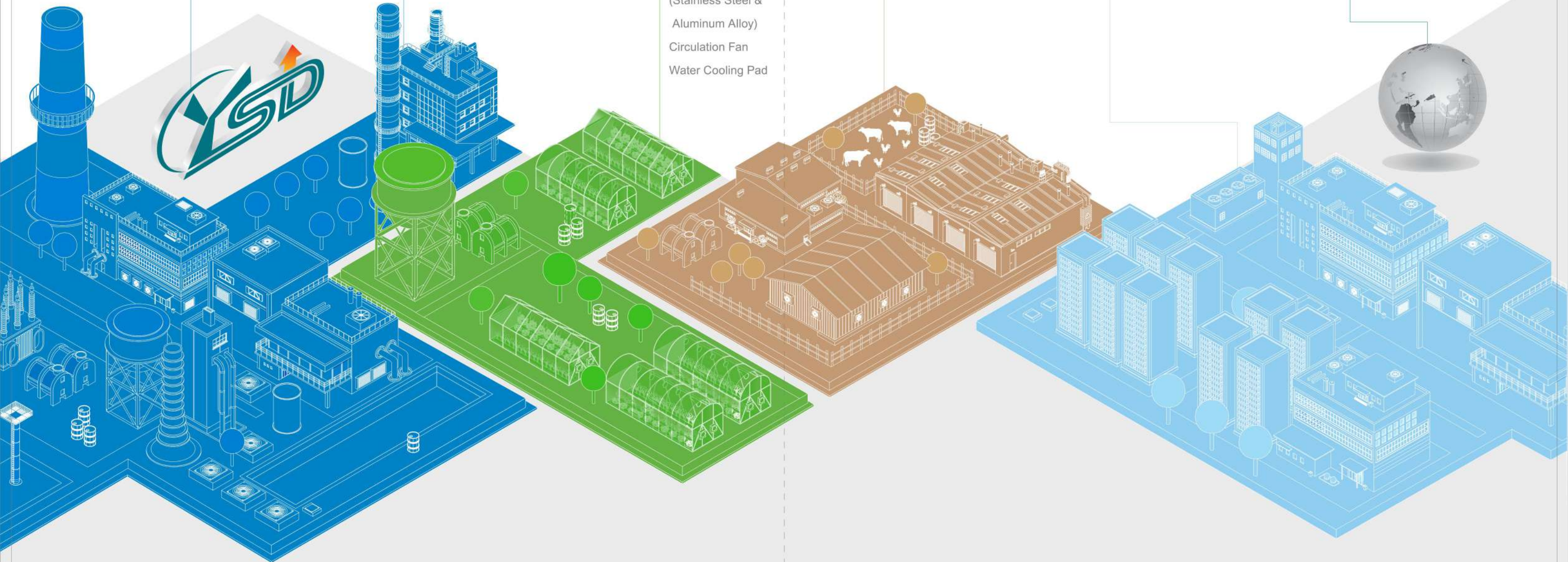
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## About Ya Suh Dar



## HISTORY

- 2017
  - 3 $\phi$  Induction Motors Series IE3 Premium Efficiency Level Certified by Bureau of Standards, Metrology and Inspection, MOEA, Taiwan.
  - Developed YSD 62" Direct Drive PMSM IE4 Exhaust Fan for Animal Husbandry Industry.
- 2016
  - Patent of AC Inverter Swing Fan M602-FRP in Taiwan (No. 544154) Earned.
  - Start Selling Ceiling Fan Series Products. (Y14-AC, Y14-DC, Y16-DC, Y16-DC)
  - Ya Suh Dar Co., Ltd. Capital Increase to NT 100 Million.
  - Ming Lun Electric Machinery Industrial Co., Ltd. Capital Increase to NT 50 Million.
  - Ceiling Fan Green Mark of Environmental Protection Administration of Taiwan Earned.
- 2015
  - Ceiling Fan Energy Label of Industrial Technology Research Institute of Taiwan Earned.
- 2014
  - Factory Expansion to 10,000 Square Meters.
  - Semi-automation Manufacturing Process Obtained.
  - Ya Suh Dar Ventilation Co., Ltd. Capital Increase to NT 250 Million.
  - 350T, 850T Plastic Injection Molding Machine and Automation Quality Testing Equipment Obtained.
- 2013
  - First 54" SMC Glass Fiber Exhaust Fan Frame Developed.
  - All Product CE Certified.
- 2012
  - April 26th Ya Suh Dar Co., Ltd. and Ming Lun Electric Machinery Industrial Co., Ltd. ISO-9001 Certified.
  - Ya Suh Dar Co., Ltd. Capital Increase to NT 15 Million.
  - Ming Lun Electric Machinery Industrial Co., Ltd. Capital Increase to NT 20 Million.
  - Receive Big Orders from our Japan Exclusive Distributor.
  - Found Distributor from Many Countries.
  - Portable Inverter Water Cooling Fan Developed
- 2011
  - Plastic Injection Molding Team Formed and Obtained 180T, 480T Machine.
  - Kaohsiung Branch Established.
- 2009
  - Ming Lun Electric Machinery Industrial Co., Ltd. Capital Increase to NT 10 Million.
  - International Sales Team Formed.
  - BLDC High Efficiency Motor Developed.
- 2008
  - Taoyuan and Tainan Branch Established.
- 2007
  - Motors Series IE1 Standard Efficiency Level Certified by Bureau of Standards, Metrology and Inspection, MOEA, Taiwan.
- 2005
  - Ya Suh Dar Co., Ltd. Established with NT 5 Million Capital.
  - Started Fan Manufacture Business and Provide Installation Service.
- 2003
  - Gained CE Certificate of 1 $\phi$  and 3 $\phi$  Induction Motors
- 2001
  - Started Selling Motors of Ming Lun's Independent Brand.
  - All Motors UL Insulation B or F Grade Certificate Earned.
- 1993
  - Started Motor Wiring Business and Obtain Semi-automation Wiring Machine.
  - Ming Lun Electric Machinery Industrial Co., Ltd. Established with NT 5 Million Capital.



Ya Suh Dar Co., Ltd. was established by Mr. Jia Ming, Zhan in 2005. We are a professional manufacturing company of large exhaust fan, evaporative inverter cooling fan, and positive pressure fan for industrial use. Our main customers are from factories, greenhouses, animal farms and some commercial areas.

The motors in our fans are made Ming Lun Electric Machinery Industrial Co., Ltd., our parent company, which has been producing motors since 1987. Our RD team is in charge of designing and testing all the products. We insist to hold the production lines of all our products, hence we can make sure all the qualities are as fine as we expect. And to meet our customer's needs, we never stop innovating and optimizing.

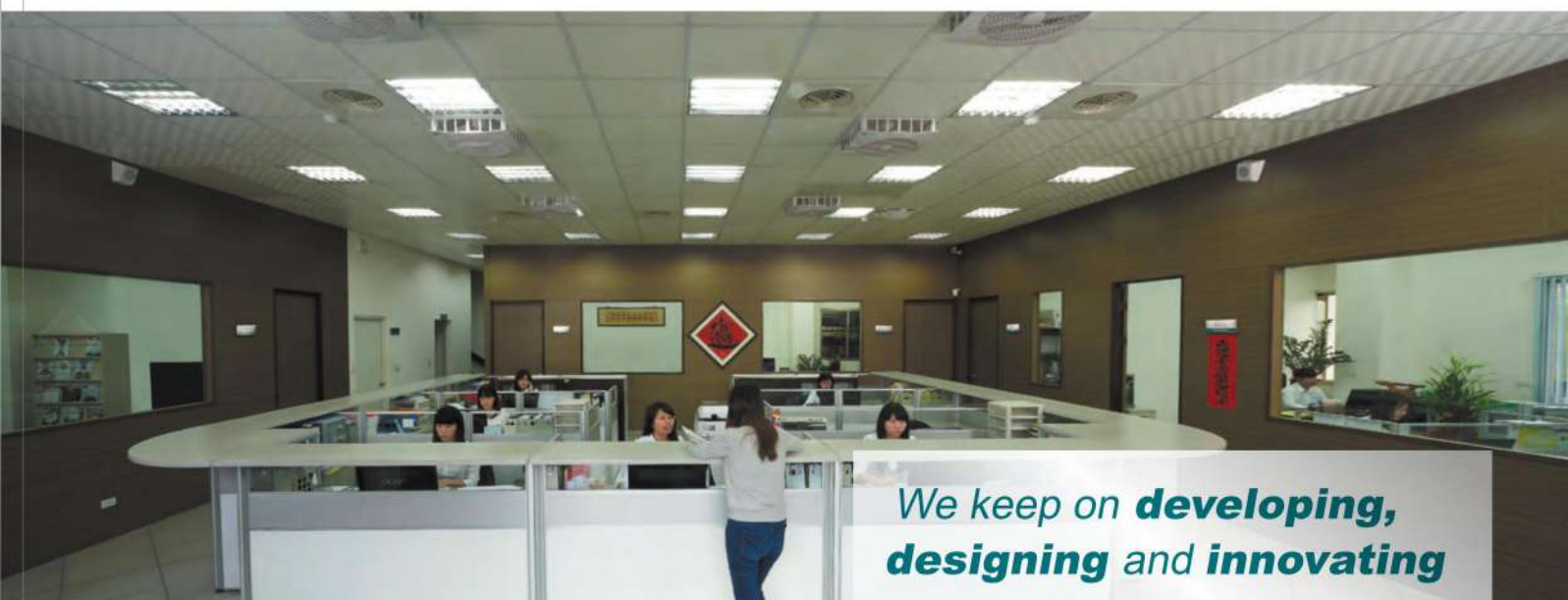
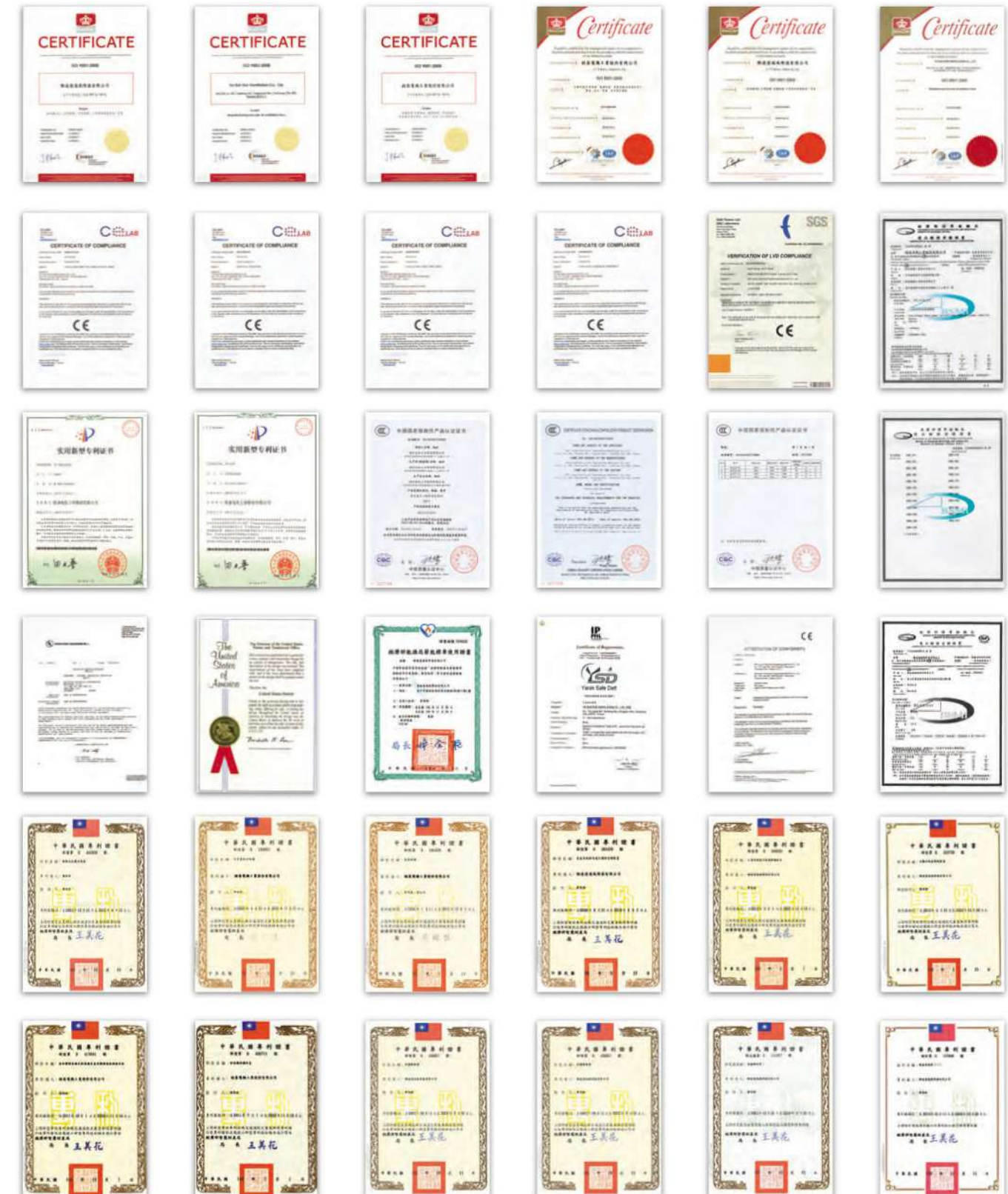
With ISO-9001 certificates management, CE and UL approved products, and testing results from Industrial Technology Research Institute (ITRI) approved lab, our products worth your trust.

Ya Suh Dar is a faithful company you can work with. Step by step, we run our business with the responsibility for energy conservation and environment protection, keeping a pleasant working place and the goal of sustainable management.





## Our Spirit & Certification



*We keep on **developing, designing and innovating***

We earned ourself ISO 9001, UL, CE and CNS, Energy Label, Green Mark of Taiwan and lots of patents. All our product are tested by professional testing machine. We are proud of our products' good quality and high efficiency, and they worth your trust.



MING LUN Electric Machinery Co., Ltd., our parent company, has decades of experience in producing motors for industrial use. To expand its business territory, MING LUN established YA SUH DAR Co., Ltd.; then, focus on developing and manufacturing ventilation products. Its products' fast improving quality made them competitive and win us OEM and ODM orders from around the world.



## Manufacturing Process

### 1. Sheet Molding Compound

### 2. Spare Parts Processing Area

### 3. The Assembly of Water Cooling Fan

### 4. The Assembly of Exhaust Fan and Ceiling Fan



1-1 Put the material



1-4 Forming



2



4



1-2 Compression mold



1-5 Finished products



3



4



1-3 Ejector





## Manufacturing Process



### 5. Plastic Injection Molding



### 6. Motors Coil Processing Area



### 7. The Stock







QC Testing  
Product Showroom

Come for a Visit

Demonstration Room, First in this Industry

160 m<sup>2</sup> space of all our products waiting for switching on. Experience the real big wind flow. You are always welcome to visit our factory and this showroom. Contact us for a reservation.



1.Fan Testing



2.Dynamic Balance Correction of Blades







## Motor Features

### Permanent-Magnet Synchronous Motor



### PMSM Driver



### High Efficiency Motor Series for Industrial Use



### AC Induction Motor

- Clear and neat structures.
- Long practiced manufacture skill.
- Durable and low maintenance needs.
- Lower cost.
- Higher frequency, higher rotation speed.

### PMSM

- Bigger running torque, stable rotation speed, high electric load.
- No frequency limit. (50Hz / 60Hz.)
- Low running rate, voltage and current.
- High efficiency, low rising heat.





## K300D

# K300D Introduction



## K300D Product Features

- 62" gigantic exhaust fan for animal farm house and workshop use.
- High efficient and air volume but power saving.
- Strong SMC frame structure and fan blades.
- Permanent-magnet synchronous motor and AC motors are optional.



## Product details

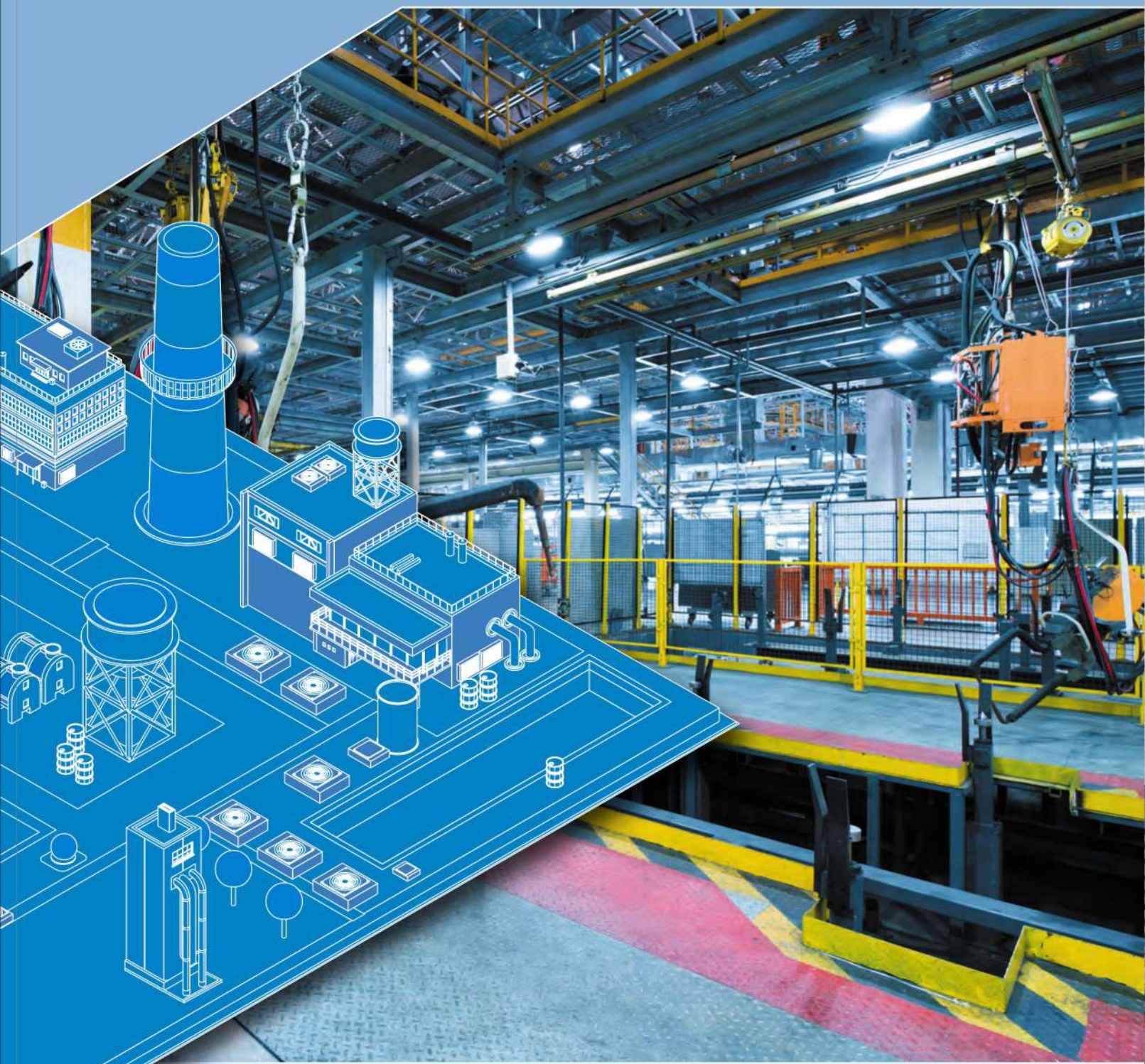
<b>Model</b>	62" K300D with Extension Cone
<b>External Frame</b>	SMC Housing
<b>Fan Blades</b>	57" 3 SMC Blades
<b>Motor</b>	1.5HP PMSM Grade F
<b>Number of Poles</b>	16 Poles
<b>Rotating Speed</b>	670 RPM
<b>Sound Volume</b>	79 dB (Detected from 3m near.)
<b>Voltage</b>	3 $\phi$ 220V, 60Hz (Optional)
<b>Current</b>	4.2 A
<b>Power Consumption</b>	1330 w/hr
<b>Air Volume</b>	1180 CMM
<b>Size</b>	L169xW145xH169 cm
<b>Weight</b>	114 kg





# Factory

## Application

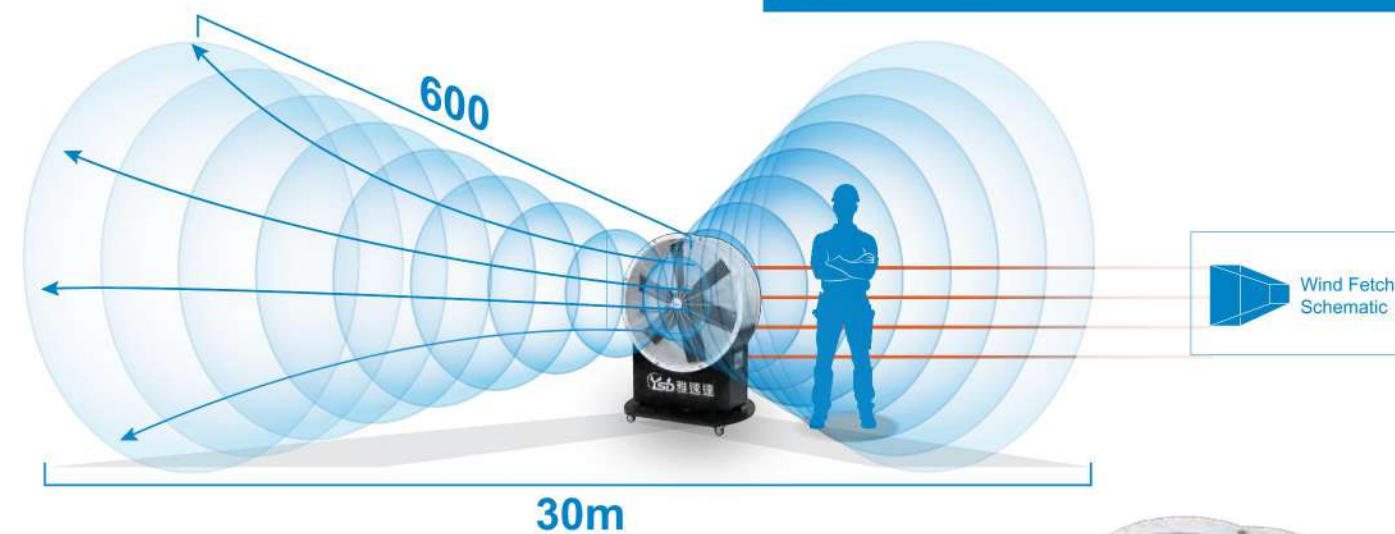


**World First**

### Inverter Speed Control Super Wide Wind Fetch Swinging Fan



**Positive Pressure Fan**  
Portable / Dangling  
Nylon 6 + Fiber Blades



- Perfect Solution
- Muggy
- Smokey
- Dusty
- Odorous



**M602-FRP**

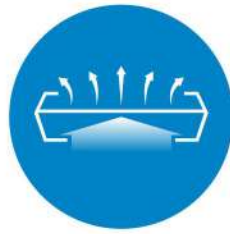
Portable,  
Direct Drive

42" Nylon 6  
+ Fiber Blades

**220V**







**Evaporative Cooling,  
Cool with No Mist**



**Water Cooling Pad**  
For Cooling and Dust Filtering

**Water Storage Scale**

**Manual Drain**

**Electric Swinging Shutters**  
For Wider Wind Fetch



**Automatic Water Inlet**

**Water Tank**  
Large Water Storage

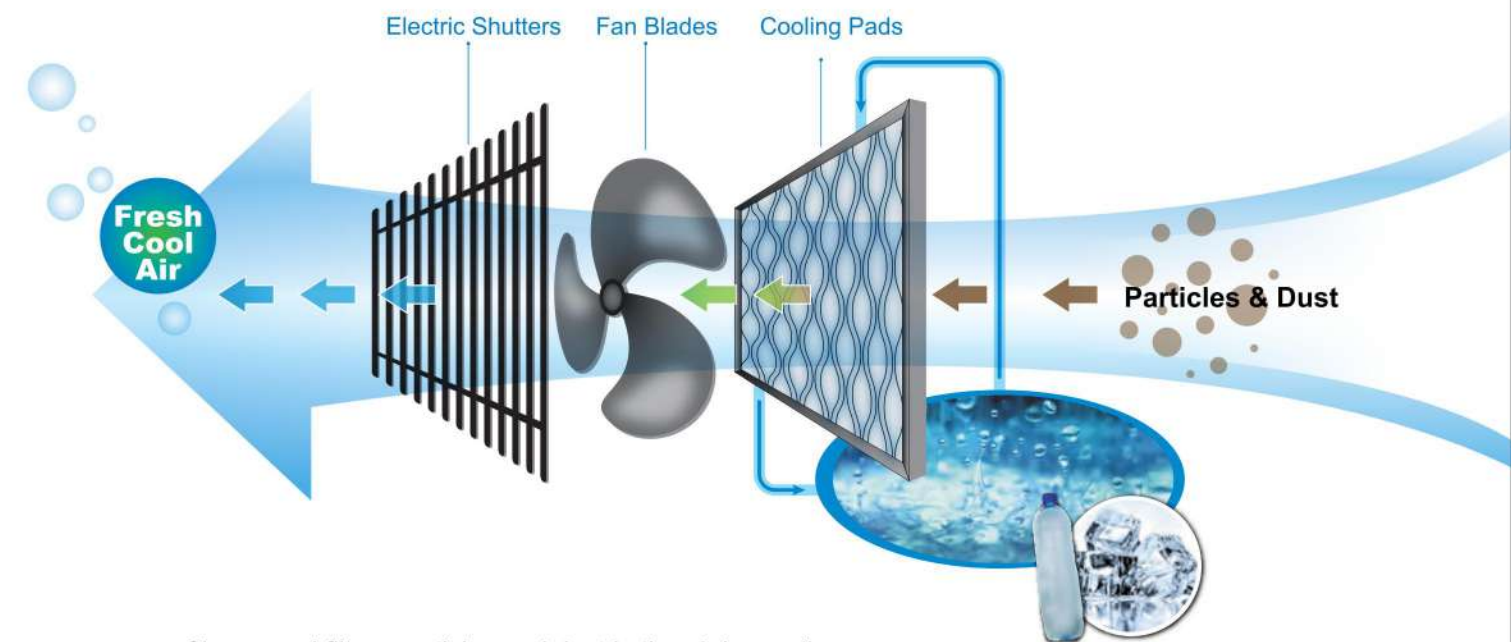


**Wheels**  
For Portable Use

- Power Emergency Stop
- Power of Pump
- Power of Fan
- Fan Speed Regulator
- Switch of Shutters



**Filter and Cooling**

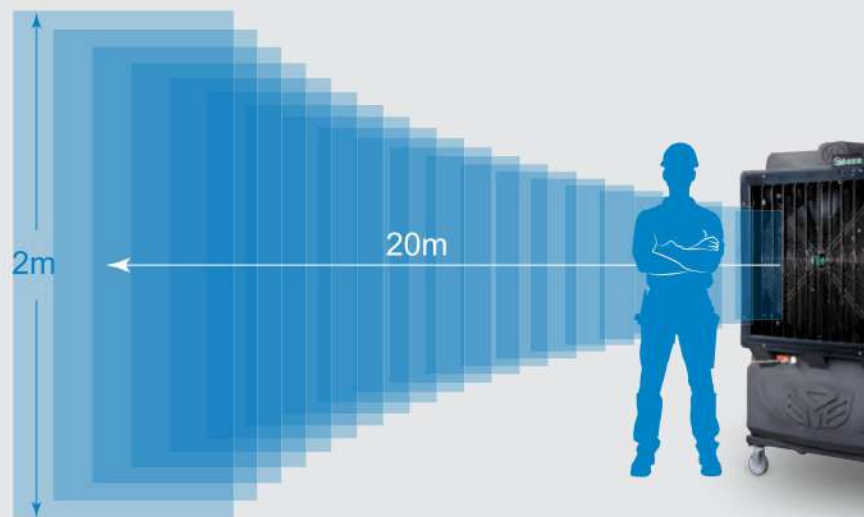


Cleans and filters particles and dust in the air by cooling pads and water, then cool down the temperature.

Portable Inverter  
Water Cooling Fan  
AC, DC series

**Stepless Speed Control,  
Large Air Flow, Power Saving**

1. Suitable for indoor and outdoor sultry areas. Such as factories, garage, warehouse, restaurants, etc.
2. Evaporative cooling with no mists. Effectively filters dust and lower the temperature.
3. Save electricity in an air conditioned space. Cool the room faster, then lessen the power consumption of the AC system.
4. Easy to clean and maintain. Wash the cooling pads and change the water inside the tank regularly can keep it clean.
5. Connect the water inlet to a faucet with the hose we provide, the tank will fill automatically. Add some ice cube into the tank can enhance the cooling effect.

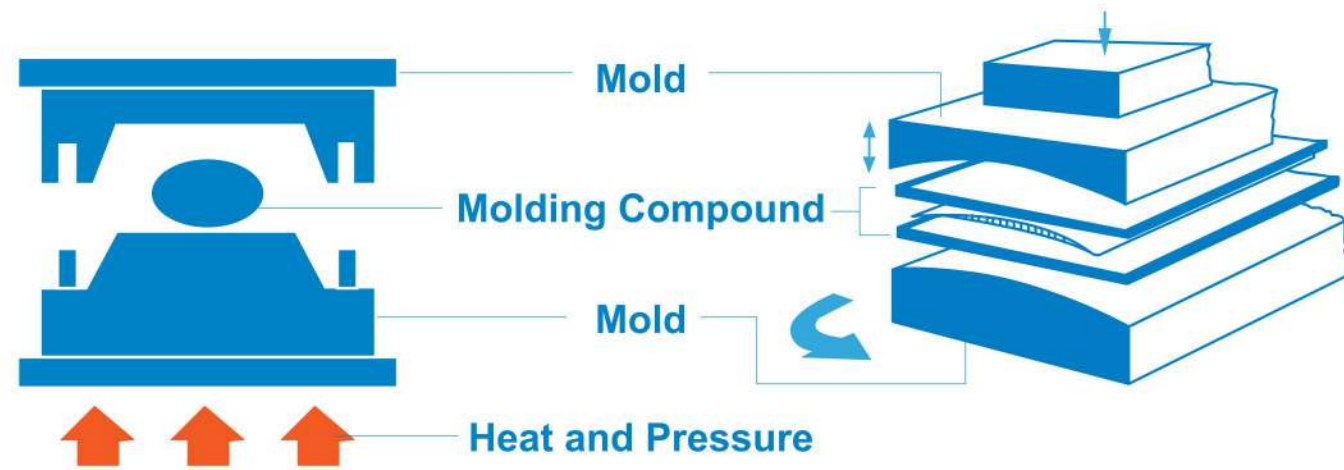






**Exhaust Fan (AC, PMSM)**  
SMC Housing

# Sheet Molding Compound



“Sheet Molding Compound” (SMC) is the most active forming method to make products from composite material. Quantities of pre-mix materials are input into metal match mold after heated and pressured for solidification.

### The Advantage of SMC

- Automated Manufacturing
- High Precision
- Smooth Finishing
- Standardized

SMC products are never easy to manufacture and high in cost. It takes us days and days to design the mold and refine the process. But, to provide products with good quality, there's no other way.



SMC Glass Fiber Housing  
**Integrative Shaping**

Made in  
**TAIWAN**

SMC  
Processing

**Act as a leader  
in the field of Taiwan.**

62" & 54" External Frame  
Motor Bracket  
57" & 50" Fan Blades  
62" Extended Cone





# Green House

## Application



Exhaust Fan  
Circulation Fan  
Water Cooling Pad



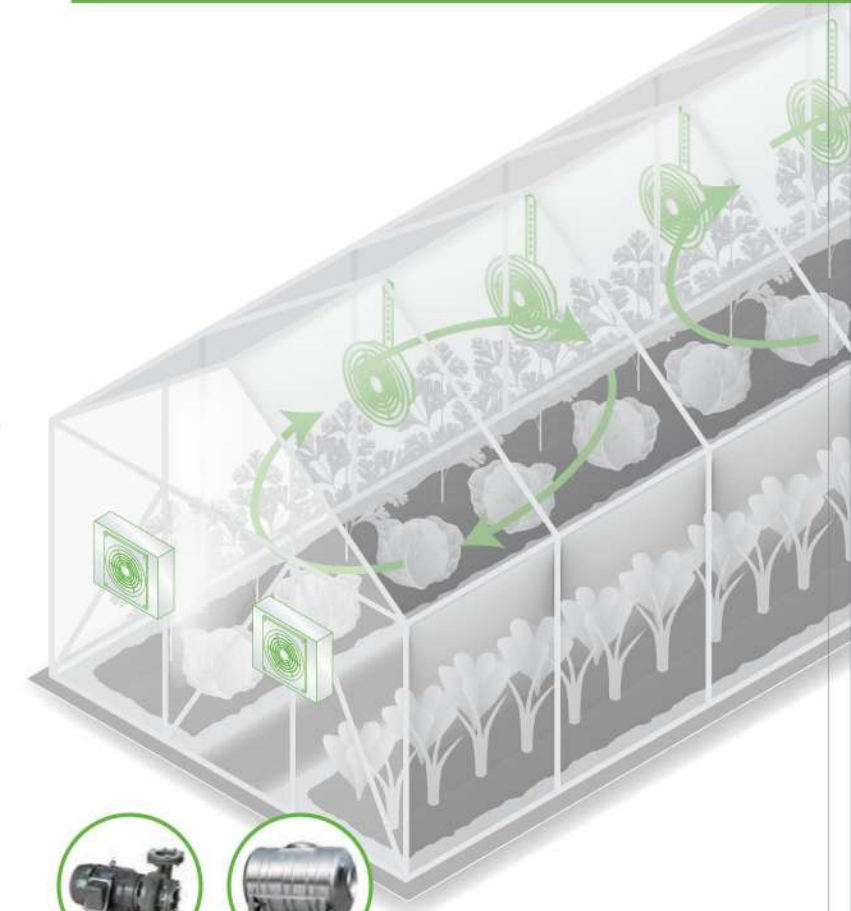
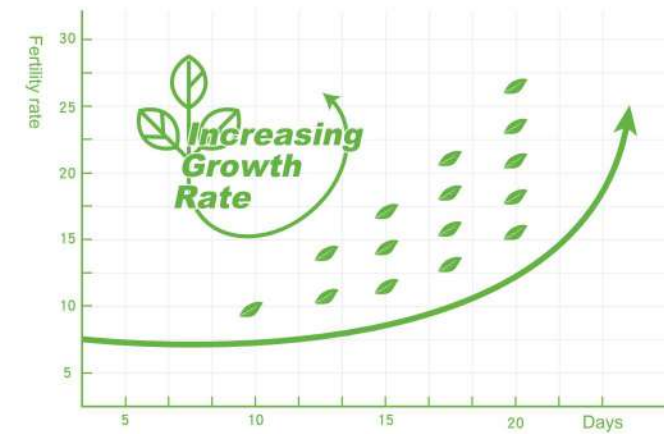
Increasing Growth Rate



Air Circulation 100%



Energy Saving



Model : Original 7090

Model : Black 7090



Water pump



Water tower



54" 6 Blades Direct Drive PMSM Exhaust Fan

**All Stainless Steel Parts**



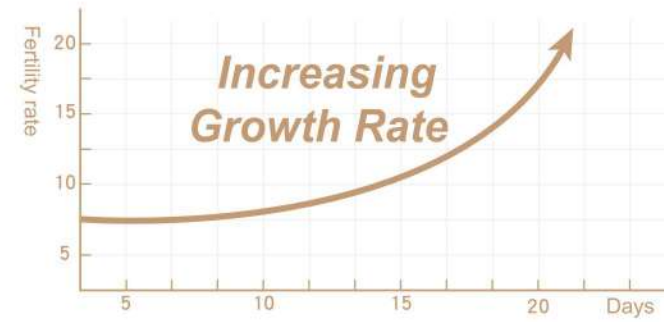


# Animal Husbandry

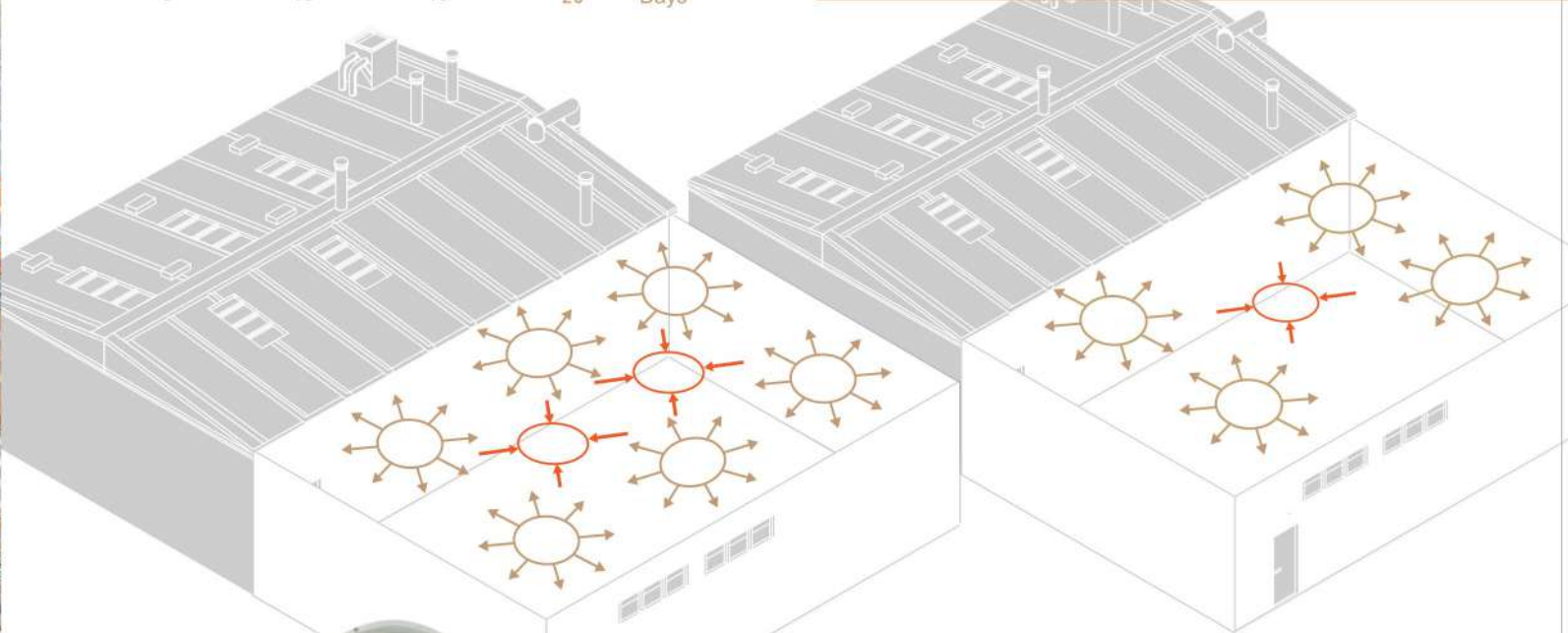
## Application



Increasing Growth Rate    Air Circulation 100%    Energy Saving    Lessen Feed Waste    Eco Friendly



Exhaust Fan  
Circulation Fan  
Water Cooling Pad



62" 3 SMC Blades  
PMSM Exhaust Fan K300D  
with Extended Cone



Model : Original 7090    Model : Black 7090



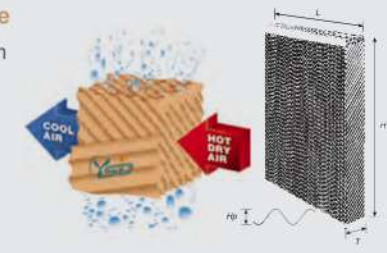
Water tower



Water pump

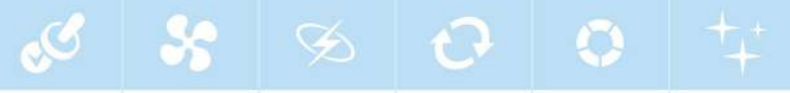
### Main Function and Advantage

- Combine with exhaust fan system to cool your livestock barn.
- Filter dusts in the air to keep the area clean.
- Having stronger cooling effects when the weather is hotter and drier.





# Ceiling Fan



Trustful Quality    Comfortable    Economical    Circulating    Convenient    Maintainable



## Ceiling Tile Fan



14° Blades  
Y14-AC, DC



16° Blades  
Y16-AC, DC

### About Ceiling Tile Fan

#### Easy Cleaning Process without Tools



- **Economical** : High efficiency motor, quiet and power saving.
- **Comfortable** : 4 speeds option for you to decide.
- **Convenient** : Easy to control.
- **Power Saving** : Enhancing air circulation, lessen AC bill.
- **Easy Cleaning** : Neat design and less dust attached.

### Remote Control

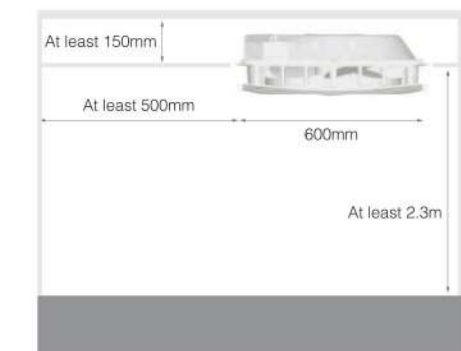
- High, medium, low and natural wind selection.
- 360° rotary turntable.

Customize timing (2, 4, 6 hour) and switch control functions



### DIY Installing Plan

1. The Installing diagram is at right hand side.
2. Please make sure the size of ceiling tile is 600x600mm.
3. Choose a qualified technician to do the installation.
4. Please use 1.6mm-2.0mm wire.
5. Please double check the voltage before installing.
6. Installing several ceiling tile fans, there are at least 4 ceiling tiles between two ceiling tile fans.
7. Make sure the ceiling tile can bear 20kg before installing.



### Accessories



Holding Rack for None T-Bar Ceiling



Inlet duct for 8" / 10" pipe





## Future Outlook

We insist in providing high quality products and services from the very start since we established. The increasing repurchase rate year by year is our best approval.

We run our business sincerely and diligently. We put all our efforts on meeting our customers' needs, and never stop innovating in this ventilation market. Let us be the best cooling partner of your business.

