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# PERMANENT MAGNET BRUSHLESS SMART FAN

TIER 1 ENERGY EFFICIENCY



WATERPROOF

DUSTPROOF



# PERMANENT MAGNET BRUSHLESS INTELLIGENT FAN

## PERMANENT MAGNET BRUSHLESS FAN

Real power: 1.8 kW/h  
Annual consumption: 12960 kW

# VS

## TRADITIONAL ASYNCHRONOUS FAN

Real power: 2.8 kW/h  
Annual consumption: 20520 kW

**TIER 1 ENERGY  
EFFICIENCY IE5**

Permanent magnet brushless  
Efficient and energy-saving **save**

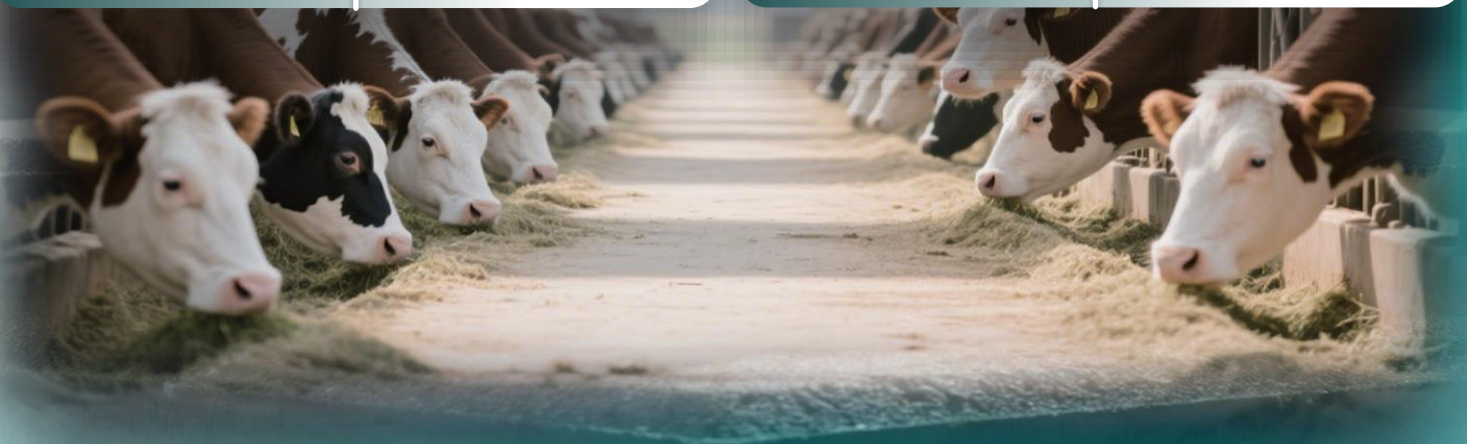


**IP67** WATERPROOF  
DUSTPROOF

**CATTLE FARM  
SPECIAL FOR USE**

**INTELLIGENT  
REGULATION  
AND CONTROL**

**COST  
REDUCTION  
SYNERGISM**



# PRODUCT DISPLAY

## PERMANENT MAGNET BRUSHLESS INTELLIGENT FAN



**ENERGY EFFICIENT AND DURABLE**

**Permanent magnet brushless  
Class I energy efficiency**

**IP67**

**WATERPROOF  
DUSTPROOF**

**SPECIAL FOR CATTLE RAISING**

### EC POSITIVE PRESSURE DIVERSION FAN



#### TYPE

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Size (mm)                         | OFS-182L                             |
| Air volume (m <sup>3</sup> /h)    | 2160*2140*1230                       |
| Air supply area (m <sup>2</sup> ) | 91500                                |
| Fan blade diameter (mm)           | 300                                  |
| Number of fan blades (slice)      | 72"                                  |
| Fan blade material                | 6                                    |
| Material of enclosure             | aluminium alloy                      |
| Motor power (KW)                  | SMC GRP                              |
| Motor current (A)                 | 2.2                                  |
| Motor voltage (V)                 | 5.6                                  |
| Motor frequency (Hz)              | 220/380                              |
| Motor speed (r/m)                 | 50                                   |
| Motor energy efficiency class     | 360                                  |
| IP protection class               | IE5                                  |
| Installation mode                 | 67                                   |
| Noise (dB)                        | Chain suspension system              |
| Net weight (kg)                   | ≤72                                  |
| Parts                             | WIRE GUARD WITH PVC<br>BAFFLE COATED |

**Corrosion resistant conical fan  
FIBERGLASS HOUSING  
Variable speed from 120~400RPM  
With dual control system 0~10V and RS485**

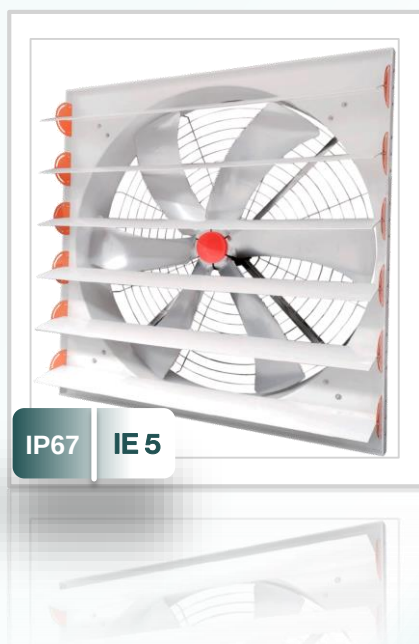




# PRODUCT DISPLAY

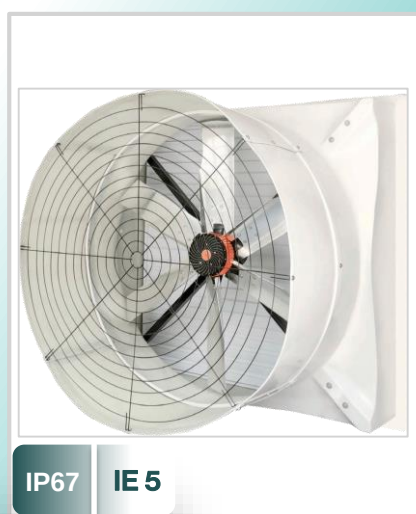
## PERMANENT MAGNET BRUSHLESS INTELLIGENT FAN

### EC POSITIVE PRESSURE DIVERSION FAN



| TYPE                              | OFS-166L                          | OFS-106L        |
|-----------------------------------|-----------------------------------|-----------------|
| Size (mm)                         | 1660*1590*250                     | 1060*1060*250   |
| Air volume (m <sup>3</sup> /h)    | 58000                             | 32000           |
| Air supply area (m <sup>2</sup> ) | 180                               | 100             |
| Fan blade diameter (mm)           | 57"                               | 36"             |
| Number of fan blades (slice)      | 6                                 | 6               |
| Fan blade material                | aluminium alloy                   | aluminium alloy |
| Material of enclosure             | SMC GRP                           | SMC GRP         |
| Motor power (KW)                  | 1.5                               | 0.86            |
| Motor current (A)                 | 3.2                               | 1.95            |
| Motor voltage (V)                 | 220/380                           | 220/380         |
| Motor frequency (Hz)              | 50                                | 50              |
| Motor speed (r/m)                 | 560                               | 600             |
| Motor energy efficiency class     | IE5                               | IE5             |
| IP protection class               | 67                                | 67              |
| Installation mode                 | Chain suspension system           |                 |
| Noise (dB)                        | ≤68                               | ≤72             |
| Net weight (kg)                   | 82                                | 38              |
| Parts                             | WIRE GUARD WITH PVC BAFFLE COATED |                 |

### INCH PERMANENT MAGNET BRUSHLESS FAN



| TYPE                              | OFS-182ST       |
|-----------------------------------|-----------------|
| Size (mm)                         | 2160*1240*1230  |
| Air volume (m <sup>3</sup> /h)    | 94500           |
| Air supply area (m <sup>2</sup> ) | 240             |
| Fan blade diameter (mm)           | 182             |
| Number of fan blades (slice)      | 6               |
| Fan blade material                | aluminium alloy |
| Material of enclosure             | SMC GRP         |
| Motor power (KW)                  | 2.2             |
| Motor current (A)                 | 6               |
| Motor voltage (V)                 | 220/380         |
| Motor frequency (Hz)              | 50              |
| Motor speed (r/m)                 | 400             |
| Motor energy efficiency class     | IE5             |
| IP protection class               | 67              |
| Installation mode                 | Wall mounted    |
| Noise (dB)                        | ≤76             |
| Net weight (kg)                   | 142             |
| Parts                             | /               |

# PRODUCT DISPLAY

## PERMANENT MAGNET BRUSHLESS INTELLIGENT FAN

### CIRCULAR CIRCULAR FAN



#### TYPE

|                               |                                   |                                   |
|-------------------------------|-----------------------------------|-----------------------------------|
| Size (mm)                     | <b>OFS-146RL</b><br>1460*1460*320 | <b>OFS-126RL</b><br>1260*1260*320 |
| Air volume (m³/h)             | 45000                             | 38000                             |
| Air supply area (m²)          | 150                               | 120                               |
| Fan blade diameter (mm)       | 1250                              | 1160                              |
| Number of fan blades (slice)  | 6                                 | 6                                 |
| Fan blade material            | SMC GRP                           | SMC GRP                           |
| Material of enclosure         | SMC GRP                           | SMC GRP                           |
| Motor power (KW)              | 1.1                               | 0.75                              |
| Motor current (A)             | 2.8                               | 2.6                               |
| Motor voltage (V)             | 220/380                           | 220/380                           |
| Motor frequency (Hz)          | 50                                | 50                                |
| Motor speed (r/m)             | 220~520                           | 220~540                           |
| Motor energy efficiency class | IE5                               | IE5                               |
| IP protection class           | 67                                | 67                                |
| Installation mode             | Wall fan installation             | Wall fan installation             |
| Noise (dB)                    | ≤68                               | ≤65                               |
| Net weight (kg)               | 35                                | 26                                |
| Parts                         | /                                 | /                                 |

### SQUARE CIRCULATING FAN



#### TYPE

|                               |                                    |                                    |
|-------------------------------|------------------------------------|------------------------------------|
| Size (mm)                     | <b>OFS-166ANJ</b><br>1605*1590*260 | <b>OFS-106ANJ</b><br>1065*1050*260 |
| Air volume (m³/h)             | 58000                              | 28000                              |
| Air supply area (m²)          | 180                                | 100                                |
| Fan blade diameter (mm)       | 1450                               | 900                                |
| Number of fan blades (slice)  | 6                                  | 6                                  |
| Fan blade material            | SMC GRP                            | SMC GRP                            |
| Material of enclosure         | SMC GRP                            | SMC GRP                            |
| Motor power (KW)              | 1.5                                | 0.75                               |
| Motor current (A)             | 2.7                                | 1.1                                |
| Motor voltage (V)             | 220/380                            | 220/380                            |
| Motor frequency (Hz)          | 50                                 | 50                                 |
| Motor speed (r/m)             | 220~560                            | 220~560                            |
| Motor energy efficiency class | IE5                                | IE5                                |
| IP protection class           | 67                                 | 67                                 |
| Installation mode             | Wall mounted                       | Wall fan installation              |
| Noise (dB)                    | ≤72                                | ≤68                                |
| Net weight (kg)               | 54                                 | 32                                 |
| Parts                         | /                                  | /                                  |

# PRODUCT DISPLAY

## PERMANENT MAGNET BRUSHLESS INTELLIGENT FAN

### SQUARE CIRCULATING FAN



IP67 IE 5

#### TYPE

|                               | OFS-166ST     | OFS-106ST     |
|-------------------------------|---------------|---------------|
| Size (mm)                     | 1605*1590*260 | 1065*1050*260 |
| Air volume (m³/h)             | 58000         | 28000         |
| Air supply area (m²)          | 180           | 100           |
| Fan blade diameter (mm)       | 1450          | 900           |
| Number of fan blades (slice)  | 6             | 6             |
| Fan blade material            | SMC GRP       | SMC GRP       |
| Material of enclosure         | SMC GRP       | SMC GRP       |
| Motor power (KW)              | 1.5           | 0.75          |
| Motor current (A)             | 2.7           | 1.1           |
| Motor voltage (V)             | 220/380       | 220/380       |
| Motor frequency (Hz)          | 50            | 50            |
| Motor speed (r/m)             | 220~560       | 220~560       |
| Motor energy efficiency class | IE5           | IE5           |
| IP protection class           | 67            | 67            |
| Installation mode             | Wall mounted  | Wall mounted  |
| Noise (dB)                    | ≤72           | ≤68           |
| Net weight (kg)               | 54            | 32            |
| Parts                         | /             | /             |

### ELECTRIC SWING FAN



IP67 IE 5

#### TYPE

|                               | OFS-166ST     | OFS-106ST     |
|-------------------------------|---------------|---------------|
| Size (mm)                     | 1605*1590*260 | 1065*1050*260 |
| Air volume (m³/h)             | 58000         | 28000         |
| Air supply area (m²)          | 180           | 100           |
| Fan blade diameter (mm)       | 1450          | 900           |
| Number of fan blades (slice)  | 6             | 6             |
| Fan blade material            | SMC GRP       | SMC GRP       |
| Material of enclosure         | SMC GRP       | SMC GRP       |
| Motor power (KW)              | 1.5           | 0.75          |
| Motor current (A)             | 2.7           | 1.1           |
| Motor voltage (V)             | 220/380       | 220/380       |
| Motor frequency (Hz)          | 50            | 50            |
| Motor speed (r/m)             | 220~560       | 220~560       |
| Motor energy efficiency class | IE5           | IE5           |
| IP protection class           | 67            | 67            |
| Installation mode             | Wall mounted  | Wall mounted  |
| Noise (dB)                    | ≤72           | ≤68           |
| Net weight (kg)               | 54            | 32            |
| Parts                         | /             | /             |



# PRODUCT DISPLAY

## PERMANENT MAGNET BRUSHLESS INTELLIGENT FAN



### SUCTION FAN

IP67 IE 5

- REMOTE INTELLIGENT SPEED REGULATION
- LOW ENERGY CONSUMPTION
- RUGGED LONG LIFE
- HIGH PROTECTION CLASS
- LOW SPEED HIGH TORQUE
- ELECTRIC CONTROL INTEGRATION OF MOTOR

| TYPE                  | OFS-166SLP    | OFS-146SLP    | OFS-126SLP    | OFS-106SLP    | OFS-86SLP     |
|-----------------------|---------------|---------------|---------------|---------------|---------------|
| Size (mm)             | 1660*1660*58  | 1460*1460*58  | 1260*1260*55  | 1060*1060*55  | 860*860*480   |
| Air volume (m³/h)     | 0             | 0             | 0             | 0             | 20000         |
| Fan blade material    | 58000         | 45000         | 35000         | 28000         | SMC Six slice |
| Material of enclosure | SMC Six slice | SMC Six slice | SMC Six slice | SMC Six slice | SMC GRP       |
| Motor power (KW)      | SMC GRP       | SMC GRP       | SMC GRP       | SMC GRP       | 0.55          |
| Motor voltage (V)     | 1.5           | 1.1           | 1.1           | 0.75          | 220/380       |
| Motor speed (r/m)     | 220/380       | 220/380       | 220/380       | 220/380       | 220~1060      |
| Noise (dB)            | 220~720       | 220~630       | 220~630       | 220~780       | 60~30         |
|                       | 80~60         | 78~60         | 75~50         | 65~40         |               |



### GALVANIZED PLATE NEGATIVE PRESSURE FAN

IP67 IE 5

- SUPER-HIGH WIND PRESSURE
- EXTRA LARGE AIR VOLUME
- RUGGED LONG LIFE
- HIGH EFFICIENCY OPERATION
- REMOTE INTELLIGENT SPEED REGULATION
- AIR FLOW PRINCIPLE

| TYPE                    | OFS -153DT       | OFS -138DT       | OFS -122DT       | OFS -110DT       | OFS -900DT       | OFS -800DT       |
|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Size (mm)               | 1530*1530*400    | 1380*1380*400    | 1220*1220*400    | 1100*1100*400    | 900*900*400      | 800*800*400      |
| Air volume (m³/h)       | 47500            | 44500            | 36500            | 33500            | 21500            | 16500            |
| Air supply area (m²)    | 180              | 150              | 120              | 100              | 80               | 70               |
| Fan blade diameter      | 1400             | 1250             | 1100             | 1000             | 750              | 710              |
| Fan blade material (mm) | SMC Six slice    | SMC Six slice    | SMC Six slice    | SMC Six slice    | SMC Six slice    | SMC Six slice    |
| Material of enclosure   | Galvanized Plate | Galvanized Plate | Galvanized Plate | Galvanized Plate | Galvanized Plate | Galvanized Plate |
| Motor power (KW)        | 1.5              | 1.1              | 0.75             | 0.75             | 0.55             | 0.37             |
| Motor voltage (V)       | 220/380          | 220/380          | 220/380          | 220/380          | 220/380          | 220/380          |
| Motor speed (r/m)       | 468              | 458              | 465              | 470              | 500              | 520              |

# PRODUCT DISPLAY

## LARGE INDUSTRIAL CEILING FAN



### Permanent magnet direct-drive variable frequency motor

High-quality permanent magnet variable frequency direct-drive motor integration is adopted to realize high integration and lightweight, improving reliability and transmission efficiency. Built-in permanent magnet fall-off prevention structure, with HRB reinforced bearing, more superior performance, more comprehensive, maintenance-free in later period and longer service life.



ELECTRIC  
CABINET



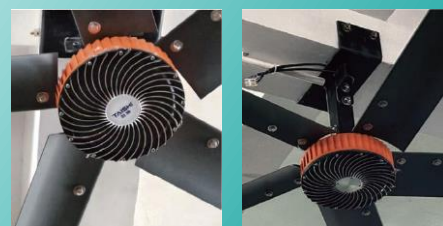
UPPER  
CONNECTION PIECE



WIND BLADE



WING



| TYPE                           | OFS-73WS | OFS-65WS | OFS-60WS | OFS-55WS | OFS-50WS |
|--------------------------------|----------|----------|----------|----------|----------|
| Product diameter (m)           | 7.3      | 6.5      | 6.0      | 5.5      | 5.0      |
| Number of blades (pcs)         | 5        | 5        | 5        | 5        | 5        |
| Blade Width (cm)               | 18       | 18       | 18       | 18       | 18       |
| Air volume (m <sup>3</sup> /h) | 14000    | 12500    | 11500    | 10500    | 8000     |
| Motor power (KW)               | 1200     | 1200     | 1200     | 900      | 900      |
| Motor voltage (V)              | 220/380  | 220/380  | 220/380  | 220/380  | 220/380  |
| Motor frequency (Hz)           | 50/60    | 50/60    | 50/60    | 50/60    | 50/60    |
| Motor speed (r/m)              | 20-55    | 20-55    | 20-55    | 20-65    | 20-65    |
| Noise (dB)                     | ≤40      | ≤ 40     | ≤ 40     | ≤ 40     | ≤ 40     |

| TYPE                           | OFS-45WS | OFS-40WS | OFS-36WS | OFS-30WS |
|--------------------------------|----------|----------|----------|----------|
| Product diameter (m)           | 4.5      | 4.0      | 3.6      | 3.0      |
| Number of blades (pcs)         | 5        | 5        | 5        | 5        |
| Blade Width (cm)               | 18       | 16       | 16       | 16       |
| Air volume (m <sup>3</sup> /h) | 7500     | 6000     | 5000     | 4000     |
| Motor power (KW)               | 900      | 500      | 500      | 500      |
| Motor voltage (V)              | 220/380  | 220/380  | 220/380  | 220/380  |
| Motor frequency (Hz)           | 50/60    | 50/60    | 50/60    | 50/60    |
| Motor speed (r/m)              | 20-65    | 20-120   | 20-120   | 20-120   |
| Noise (dB)                     | ≤ 40     | ≤ 40     | ≤ 40     | ≤ 40     |



# CONTROL SYSTEM

## CATTLE SHED VENTILATION AND COOLING SYSTEM SOLUTION



Exemption from odor wall integrated deodorizing fan



Fiberglass water curtain fan



Permanent magnet intelligent speed controller



Remote control speed controller

### APP INTELLIGENT CLOUD CONTROL PLATFORM



- water level regulation
- wind speed Regulation
- humid Regulation
- precise fixed time

## SOLUTIONS FOR NEGATIVE PRESSURE VENTILATION AND COOLING SYSTEM OF CATTLE SHED

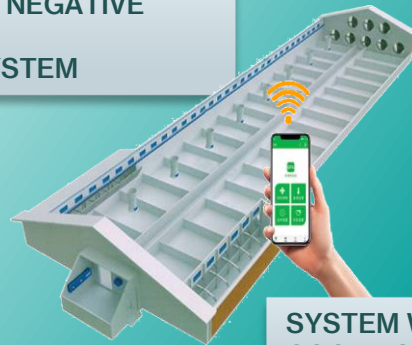


Ec positive pressure diversion fan

### ENERGY SAVING NEGATIVE PRESSURE VENTILATION SYSTEM



Intelligent governor



### SYSTEM WATER CURTAIN COOLING SYSTEM

## APP INTELLIGENT CLOUD CONTROL PLATFORM

- water level regulation
- wind speed regulation
- humid regulation
- precise fixed time

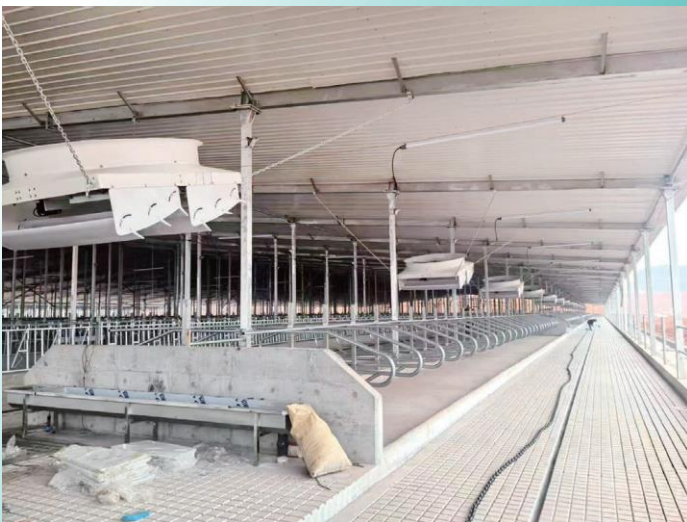
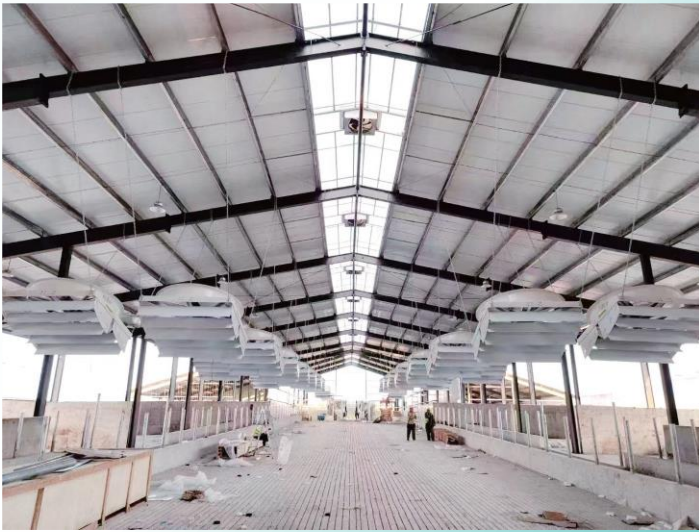
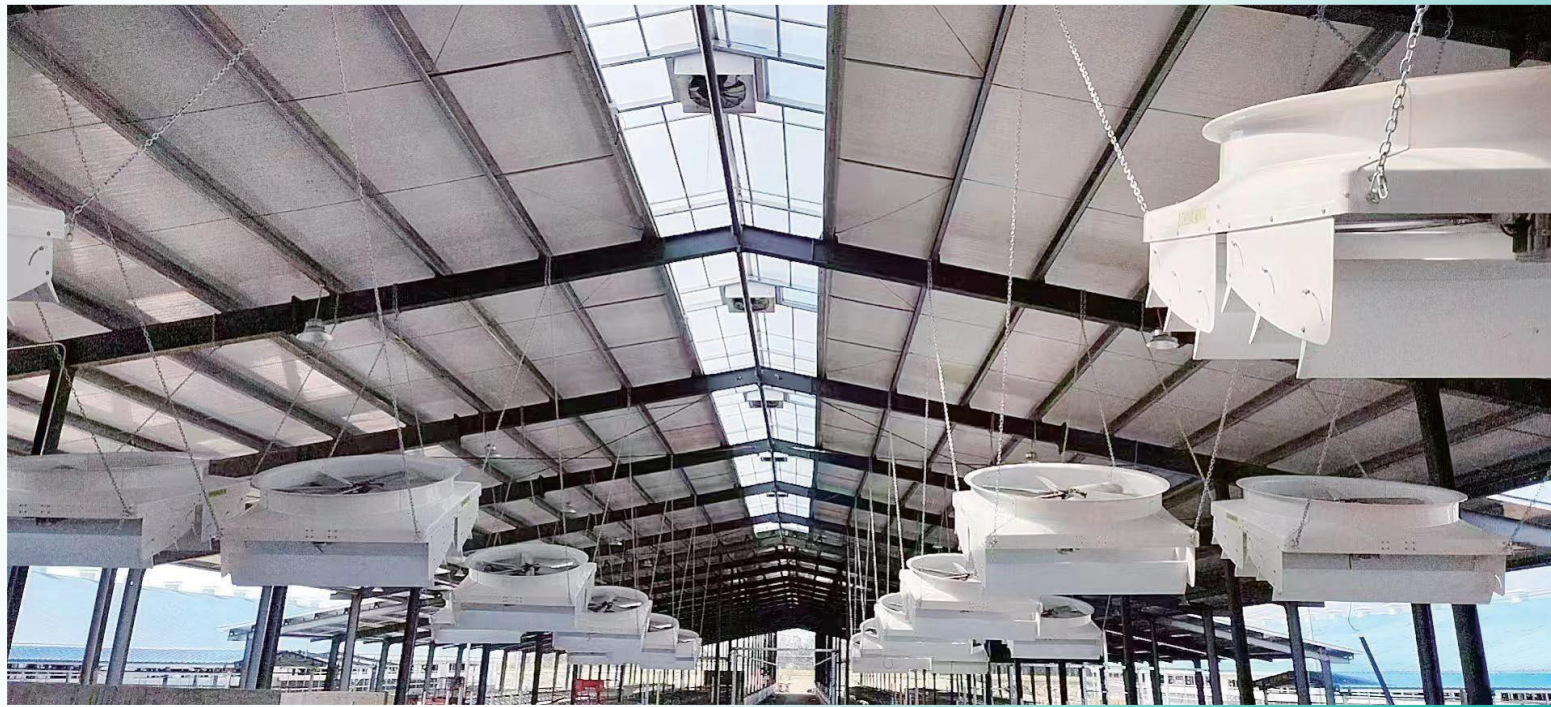
## ADVANTAGES OF APP INTELLIGENT CLOUD CONTROL PLATFORM SYSTEM

- Intelligent ventilation and cooling system
- Function visualization display screen
- Reduce economic expenditures
- Integrated control
- Simple and easy to operate structure
- Strong sense of visual technology
- Energy saving and efficient
- Intelligent integration
- Quickly resolve faults
- Maintainable



# PROJECTS

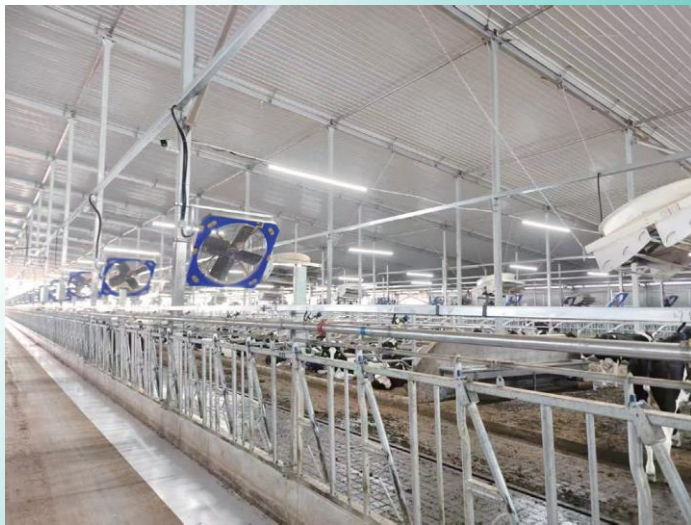
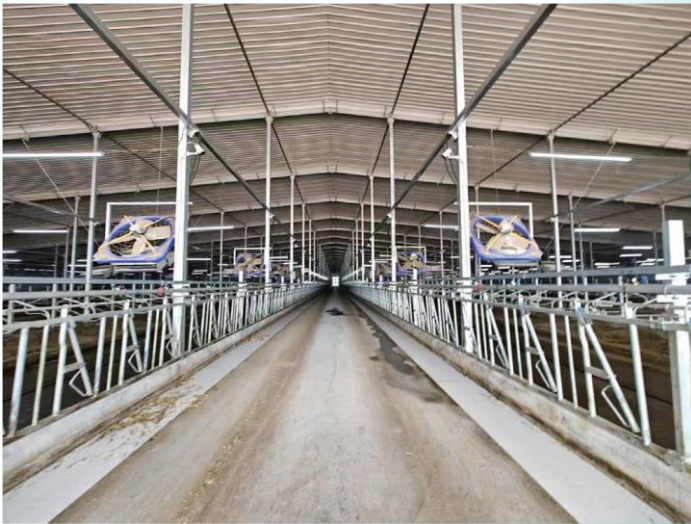
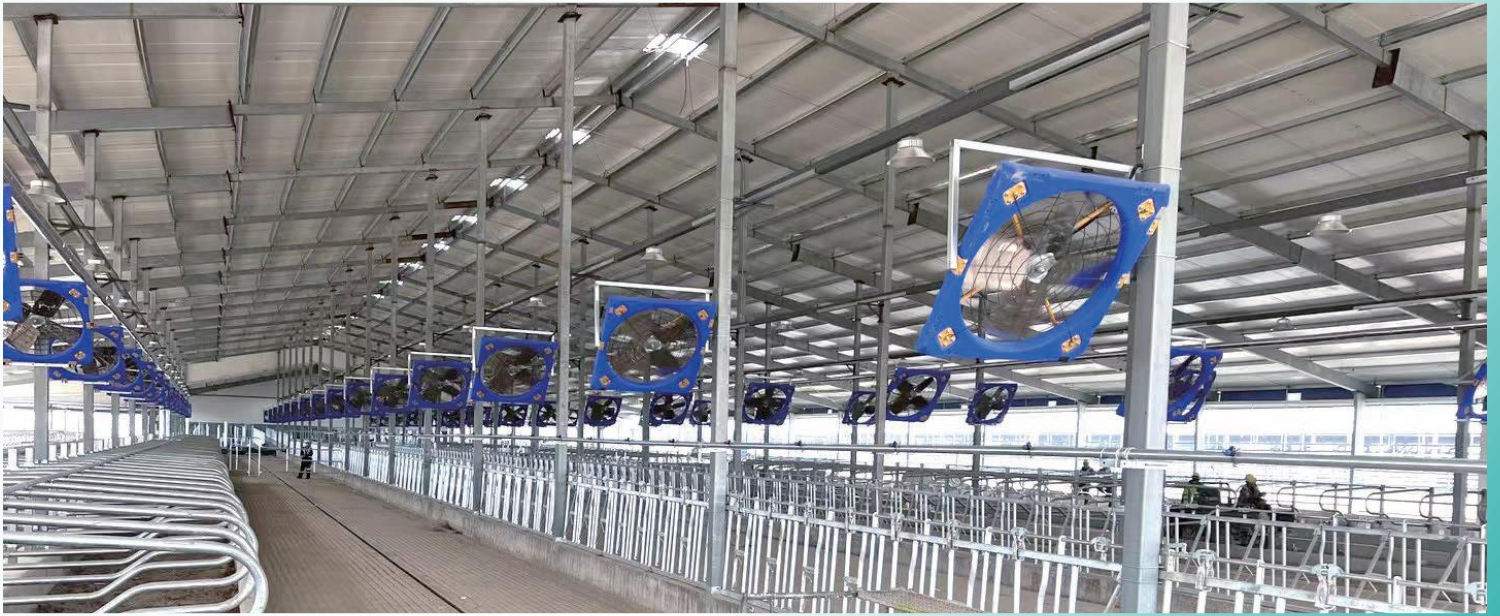
## ENGINEERING APPLICATION CASES















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**FOR CATTLE BREEDING  
EFFICIENT VENTILATION  
EQUIPMENT**

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