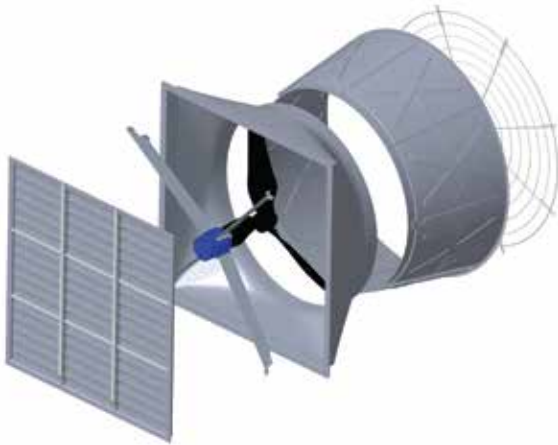


56" HIGH PERFORMANCE FAN CLIMATE CONTROL

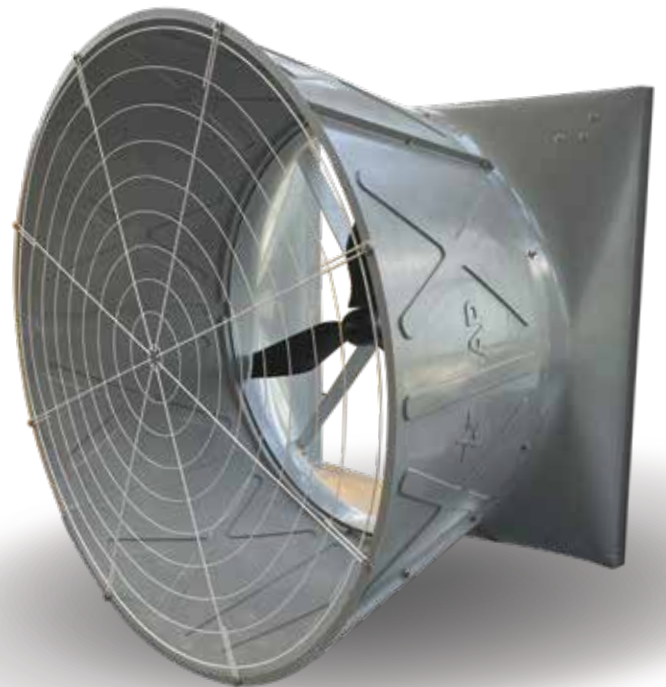


General Features

- Direct Drive : No belt & pulleys, maintenance-free
- High strength : Fan blades made of Nylon Plastic Composite
- Rigidity & Longevity : One-piece Housing and Cone Panels made of SMC fiberglass composite
- Sturdy motor support with X-shaped stainless steel bracing
- Powder-coated steel wire safety guard
- Patented Synchronous PVC shutter : Dual overlap seal design creates extreme sealing for windproof and lightproof
- Fans suitable for High Pressure environments like laying cages

56" High Efficiency Direct Drive Variable Speed Fan

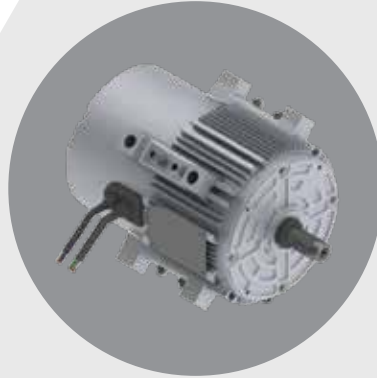
- 2.2kw (3HP) Permanent Magnet Synchronous Motor (PMSM)
- High Efficiency Motor IE4 integrated with VSD drive control
- Power supply: 340V~460V, 50/60Hz
- Variable speed (0-10 VDC or RS485 input signals)
- Excellent energy efficient fan, save electricity bill up to 45%
- Soft start function reduces jerk and impact
- Lower motor running temperature, longer motor lifespan
- Motor protection functions:
 - Overload, over/under voltage, phase loss, thermal etc.
- IoT communication interface: RS485 bus-type communication protocol



56" HIGH PERFORMANCE FAN



AC Motor



PMSM Motor

56" High Flow Direct Drive Fan

- 2.2kw (3HP) AC induction motor
- Single speed
- High Airflow Ratio (>80%) delivers consistent airflow at high static pressure
- High flow >30,000cfm (>51,000m³/hr) at 0.10"WC (25 Pa)



PVC Shutters

a) Synchronous type

- Shutter with linkage for synchronous open and close of blades
- The shutters are globally patented design
- A unique sealing structure on both sides of the blade, the upper and lower blades comes with double overlapping for windproof (to avoid backflow into the house and lightproof) and lightproof

b) Standard type

- PVC shutter without linkage

Cumberland FRP Direct Drive Fans

Static Pressure \ Fan	18"	24"	36"	52"	56"
25-50 Pa	✓	✓	✓	✓	✓
75 Pa		✓	✓	✓	✓
100 Pa			✓	✓	✓
150 Pa			✓		

Cumberland	Static Pressure	Fan Blade Material
24"	75 Pa (0.30" WC)	Nylon Composite
36"	75 Pa (0.30" WC)	Nylon Composite
36" High Pressure	100 Pa (0.40" WC)	Nylon Composite
36" Ultra High Pressure	150 Pa (0.60" WC)	Nylon Composite
52" High Pressure	100 Pa (0.40" WC)	Nylon Composite
56" High Pressure	100 Pa (0.40" WC)	Nylon Composite

Cumberland fans meet the requirements of various working conditions and can be used for high negative pressure buildings. Cumberland provides the mature and best solutions for your livestock.

