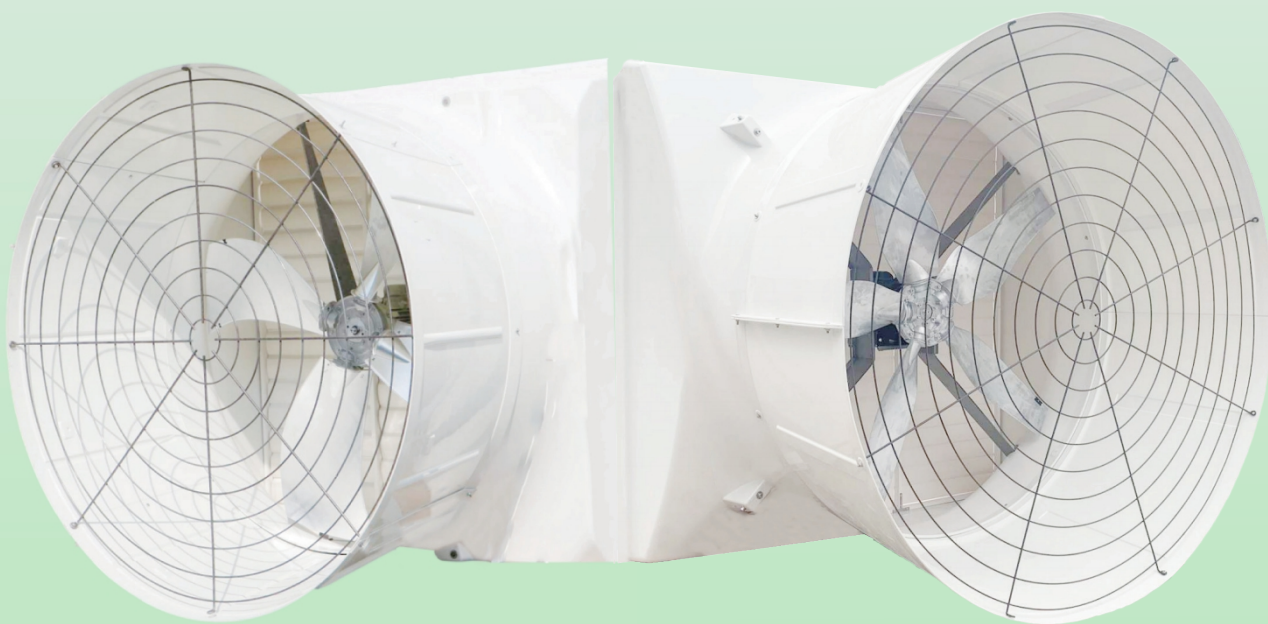


# Fiberglass Fan Series



## Features & Advantages



### Large Air Flow

Being optimized with fluid simulation design, the high-strength die-cast airfoil aluminum propeller provides large air flow to ensure adequate air circulation in the breeding house.



### Low Noise

The smooth propeller shape and high dynamic balance accuracy makes tiny friction coefficient between the blade and air combined with small resonance during running, which ensures low noise and improves the living comfort for the animals.



### Maintenance Free

Direct driving with high transmission efficiency and simple structure eliminates the trouble of regular belt replacement and reduces the using cost.



### High Efficiency

IP55 waterproof and dustproof protection, F class insulation, ultra-efficient motor with 85% efficiency enables animal producers to save breeding costs and increase profits.



### High Corrosion Resistance

The high-strength fiberglass reinforced house, powder-sprayed steel protective mesh, combined with SUS304 stainless steel accessories provide excellent corrosion resistance and durability.



### Customer-oriented Option

Fixed speed version or variable frequency version, aluminium shutter or PVC louver is optional to meet various needs.

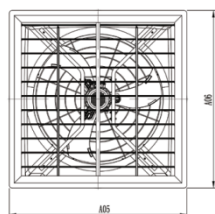
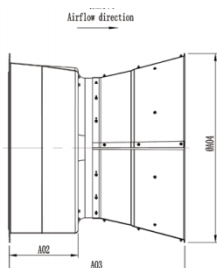
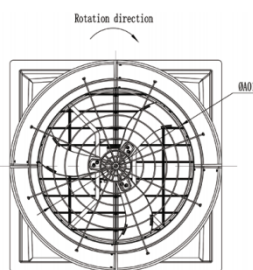


# ESF SERIES

## ADVANTAGES



- ▶ Fans-tech intelligent variable speed control of EC motor, endows the fan with full protections: such as phase failure, over-voltage, under-voltage, locked-rotor, over-current and temperature protection.
- ▶ Electric control aluminum alloy shutter, which can be fully opened in all speed range to ensure large air volume and high efficiency.
- ▶ Support centralized operation control of multiple fans (Optional).
- ▶ Variable speed can be achieved via 0 ~ 10V / PWM control signal, wide high-efficiency interval to ensure low power consumption.



Model No.		ESF625D5-077-00		ESF915D5-077-00		ESF1300D5-120-00		ESF1450D5-120-00	
Diameter of blades (inch)		24"		36"		51"		57"	
Motor*	Voltage (V)	220	115 / 230	220	115 / 230	230		230	
	Hertz (Hz)	50	60	50	60	60		60	
	Phase	1	1	1	1	3		3	
		*24", 36" ,51" and 57"options include other voltages not mentioned above, 1 phase or 3 phase, 50Hz or 60Hz							
	Power (KW)	0.37		0.55		1.1		1.8	
Current @ 0Pa / inH2O (A)	3		5.5		4.6		5.5		
Performance	Pressure	Airflow		Airflow		Airflow		Airflow	
	Pa / inH2O	(m^3/hr.)	(cfm)	(m^3/hr.)	(cfm)	(m^3/hr.)	(cfm)	(m^3/hr.)	(cfm)
	0 / 0	13600	8000	23580	13870	45000	26470	60000	35294
	-25 / -0.1	12300	7240	21430	12600	42000	24730	54000	31764
	-50 / -0.2	10800	6350	19120	11250	35000	20600	48000	28235
	Efficiency	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cmh/ Watt)	(cmh/ Watt)	(cmh/ Watt)	(cmh/ Watt)	(cmh/ Watt)
		34	20	28.8	16.9	32.8	19.3	36.4	21.4
Features	Drive	Direct Drive							
	Propeller	5-Aluminum		3-Aluminum		4-Aluminum		5-Aluminum	
	Louver	PVC							
Dimension (mm)	A01	455		915		1290		1450	
	A02	368		464		346		433	
	A03	892		1182		1200		1330	
	A04	596		1270		1500		1640	
	A05	720		1269		1520		1710	
	A06	720		1269		1520		1710	
	Dimension of opening (mm)	615x615		1150x1150		1460x1460		1650x1650	