







Fiberglass Fan Series

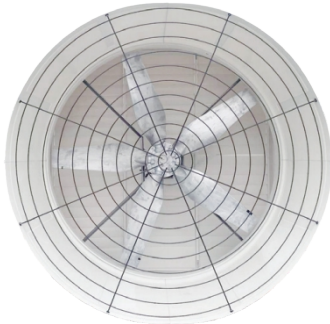


Features & Advantages

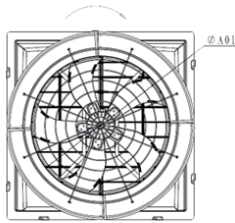
-  **Large Air Flow**
Being optimized with fluid simulation design, the high-strength die-cast airfoil aluminum propeller provides large air flow to ensure adequate air circulation in the breeding house.
-  **Low Noise**
The smooth propeller shape and high dynamic balance accuracy makes tiny friction 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.



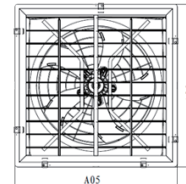
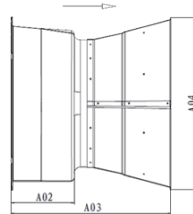
SF SERIES



Rotation direction



Airflow direction



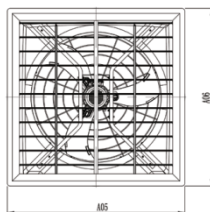
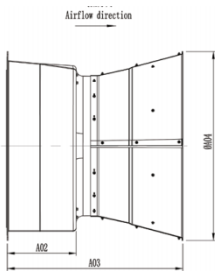
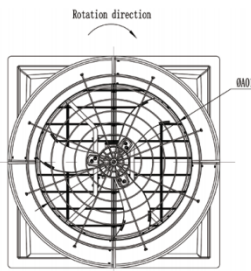
Model No.		SF455B2-070-00			SF625B3-077-00			SF915B3-077-00		SF1300B5-106-00		SF1450B5-120-00			
Diameter of blades (inch)		18"			24"			36"		51"		57"			
Motor*	Voltage (V)	380	230 / 460	115 / 230	380	230 / 460	115 / 230	380	230 / 460	380	230 / 460	380	230 / 460		
	Hertz (Hz)	50	60		50	60		50	60	50	60	50	60		
	Phase	3	3	1	3	3	1	3	3	3	3	3	3		
	*18" and 24" options include other voltages not mentioned above, 1 phase or 3 phase, 50Hz or 60Hz														
	*36", 51" and 57" options include other voltages not mentioned above, 3 phase, 50Hz or 60Hz														
Power (KW)		0.37			0.37			0.55		1.1		1.8		1.5	
Current @ 0Pa / inH2O (A)		0.8			1.14	2.5	2.1	1.7	3.2	4.7	7.5	4.5	8.4		
Performance	Pressure	Airflow			Airflow			Airflow		Airflow		Airflow		Airflow	
	Pa / inH2O	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)
	0 / 0	6960	4090	12530	7370	21400	12590	45000	26470	60000	35294	58000	34117		
	-25 / -0.1	6390	3760	11440	6730	19200	11290	42000	24730	54000	31764	52000	30588		
	-50 / -0.2	5710	3360	9920	5840	16700	9620	35000	20600	48000	28235	46000	27058		
	Efficiency	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)
		23.4	13.80	24.4	14.4	27.3	16.06	27.7	16.31	31	18.24	31	18.24		
Features	Drive	Direct Drive													
	Propeller	5-Aluminum					3-Aluminum			4-Aluminum		5-Aluminum			
	Louver	PVC													
Dimension (mm)	A01	455			625			915		1290		1450			
	A02	368			373			464		346		433			
	A03	892			987			1182		1200		1330			
	A04	596			806			1270		1500		1640			
	A05	720			903			1269		1520		1710			
	A06	720			903			1269		1520		1710			
	Dimension of opening (mm)	615x615			805x805			1150x1150		1460x1460		1650x1650			

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	

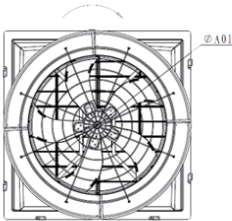
MPF SERIES



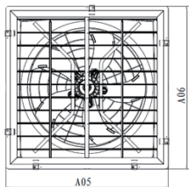
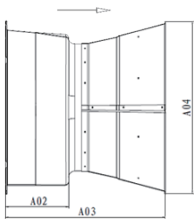
ADVANTAGES

- ▶ Adapt to various farm buildings, especially for the application ranging from -75Pa to -120Pa. It is an ideal choice to provide ventilation supporting for breeding houses equipped with filters or deodorizing systems and high-rise multistory breeding buildings.

Rotation direction



Airflow direction



Model No.		MPF625B2-077-00			MPF915B3-081-00		MPF1300B4-106-00		MPF1450B4-120-00	
Diameter of blades (inch)		24"			36"		51"		57"	
Motor*	Voltage (V)	380	230 / 460	115 / 230	380	230 / 460	380	230 / 460	380	230 / 460
	Hertz (Hz)	50	60		50	60	50	60	50	60
	Phase	3	3	1	3	3	3	3	3	3
	Power (KW)	0.75			1.1		1.8		2.5	
	Current @100Pa / 0.4inH2O (A)	2.2			3.5		4.9		6.7	
Performance	Pressure	Airflow		Airflow		Airflow		Airflow		
	Pa / inH2O	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	(m ³ /hr.)	(cfm)	
	-50 / -0.2	15600	9180	25800	15180	42500	25029	56800	33410	
	-75 / -0.3	14600	8590	23500	13820	37500	22084	52000	30590	
	-100 / -0.4	13400	7880	19000	11180	31000	18257	45200	26590	
Efficiency @100Pa/0.4 inH2O	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)		
		11.2	6.6	13.2	7.8	13	7.7	16.5	9.7	
Features	Drive	Direct Drive								
	Propeller	5-Aluminum			6-Aluminum		4-Aluminum		5-Aluminum	
	Louver	Aluminum								
Dimension (mm)	A01	625			915		1290		1450	
	A02	373			464		390		390	
	A03	987			1182		1370		1308	
	A04	850			1270		1595		1780	
	A05	903			1269		1594		1742	
	A06	903			1269		1594		1742	
	Dimension of opening (mm)	805x805			1150x1150		1510x1510		1670x1670	