

# Circulation Fan Series



## Features & Advantages



### **Fast cooling**

Being optimized with fluid simulation design, high-strength aluminum alloy propeller provides large air flow with few air volume loss on both sides, which enables fast cooling and quickly air quality improving in cowsheds.



### **Wide airflow**

Long air blow distance and wide air supply area can be simply achieved by adjusting the airfoil deflectors instead of changing the original position of the fan.



### **Easy to maintain**

An automatic belt tensioner is adopted to extend debugging period; and the belt change is easily done without removing the propeller.



### **Power saving**

The use of ultra-efficient motor achieves high energy efficiency ratio to reduce power consumption and costs.



### **Anti-corrosion**

Corrosion resistance high-density fiberglass housing, with high strength and light weight.



### **Animal comfort**

Silently supply gentle wind at low operation speed to comfort the animals.



### **Customized choice**

Optional frequency converter to realize the stepless speed regulation of the fan.



### **Application**

Widely used in cowsheds and stables for air circulation, cooling, and livestock beds drying; an atomizer can be fitted with to achieve the effects of humidification and suppression of dust.





# YNF SERIES

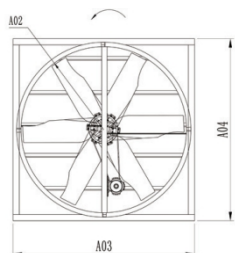
YNF55"



YNF72"



Rotation direction



Airflow direction



Model No.		YNF1400B2-081-00		YNF1830B2-106-00	
Diameter of blades (inch)		55"		72"	
Motor*	Voltage (V)	380	230 / 460	380	230 / 460
	Hertz (Hz)	50	60	50	60
	Phase	3	3	3	3
	Power (KW)	1.1		2.2	
	Current @ 0Pa / inH2O (A)	3.1		4.6	
Performance	Airflow	(m <sup>3</sup> /hr.)	(cfm)	(m <sup>3</sup> /hr.)	(cfm)
		45000	26500	85200	50180
	Efficiency	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)
		36	21.2	39.5	23.3
Features	Drive	Belt Drive			
	Propeller	6-Aluminium			
Dimension (mm)	A01	740		1100	
	A02	1400		1830	
	A03	1600		2050	
	A04	1600		2050	



## Features & Advantages



### **Fast cooling**

Being optimized with fluid simulation design, high-strength die-cast aluminum airfoil propeller provides large air flow, which enables fast cooling and quickly air quality improving in using space.



### **Maintenance Free**

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



### **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.



### **Power saving**

The use of ultra-efficient motor achieves high energy efficiency ratio to reduce power consumption and costs.



### **Customer oriented options**

Thick steel plate or polyethylene resin is optional as frame material.





## YNF-II SERIES

5-Aluminum



YNF900B3-077-00  
(5 blades, steel body)

3-Aluminum



YNF900B4-077-00  
(3 blades, steel body)



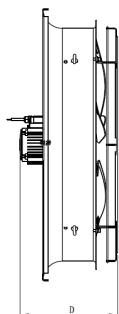
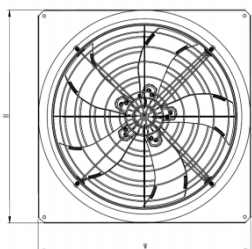
### ADVANTAGES

#### ► Anti-corrosion

The powder-sprayed steel body and protective mesh, combined with SUS304 stainless steel accessories provide excellent corrosion resistance.

#### ► High durability

2.0mm thickness steel fan body with epoxy resin coating, sturdy and durable.



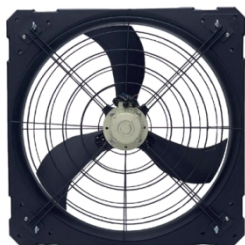
Model No.		YNF900B3-077-00		YNF900B4-077-00	
Diameter of blades (inch)		36"		36"	
Motor*	Voltage (V)	380		380	230 / 460
	Hertz (Hz)	50		50	60
	Phase	3		3	1
	Power (KW)	0.75		0.37	
	Current @ 0Pa / inH2O (A)	2.1		1.1	
Performance	Airflow	(m <sup>3</sup> /hr.)	(cfm)	(m <sup>3</sup> /hr.)	(cfm)
		24500	14430	16500	9720
	Efficiency	(cmh/ Watt)	(cfm/Watt)	(cmh/ Watt)	(cfm/Watt)
		25.8	15.2	40.2	23.7
Features	Drive	Direct Drive			
	Propeller	5-Aluminium		3-Aluminium	
Dimension (mm)	WxDxH	1070x380x1070		1070x380x1070	



## YNF-III SERIES



3-Aluminum



YNF915B4-077-00  
(3 blades, plastic body)

6-Aluminum



YNF915B4-081-00  
(6 blades, plastic body)



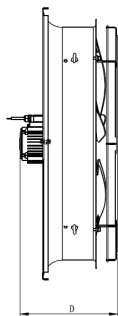
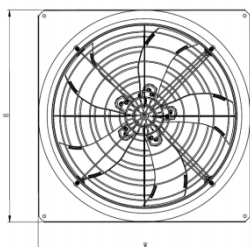
### ADVANTAGES

#### ► Long durability

LLDPE polyethylene resin frame, with strong tensile and tear strength resistance, particularly superior with cold and heat resistance, will never corrodes and rusts, solid and durable.

#### ► Easy to install

Light weight, simple structure, easy to hold and install.



Model No.		YNF915B4-077-00			YNF915B4-081-00		
Diameter of blades (inch)		36"			36"		
Motor*	Voltage (V)	380	230 / 460	115 / 230	380	230 / 460	115 / 230
	Hertz (Hz)	50	60		50	60	
	Phase	3	3	1	3	3	1
	Power (KW)	0.25			0.37		
Performance	Speed	720			720		
	(RPM)						
	Airflow	(m^3/hr.)	(cfm)		(m^3/hr.)	(cfm)	
		17800	10480				
	Efficiency	(cmh/ Watt)	(cfm/Watt)		(cmh/ Watt)	(cfm/Watt)	
44.5		26.2					
Features	Drive	Direct Drive					
	Propeller	3-Aluminium			6-Aluminium		
Dimension (mm)	WxDxH	1050x340x1050			1050x340x1050		