

















The related products of Oubo have obtained the above certification, and the specific product certification is detailed in the relevant product certification certificate

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BOX TYPE VENTILATION UNIT

"Haojin Oubo" BF series ventilators are high-quality products developed by our company, which have absorbed the advantages of similar products at home and abroad and combined with advanced technologies from Europe, America, Japan, and other countries. The BF series ventilators come in 12 specifications, 9 structural forms, and various motor matching forms, including direct drive and belt drive; there are also built-in motor and externally mounted motor installation forms. Among them, the direct drive type offers three levels of high, medium, and low that can be flexibly adjusted for airflow. The BF series ventilators have an airflow range from 900m³/h to 25,600m³/h, and a static pressure range from 100Pa to 800Pa. They can also be specially manufactured according to customer requirements.

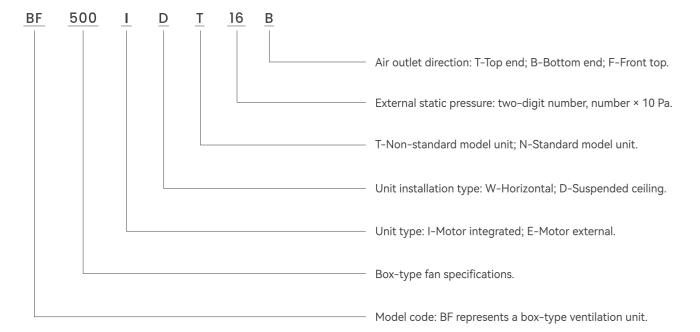


>> Product Features

The "Haojin Oubo" brand BF series ventilators feature a front-bent multi-blade double-inlet centrifugal impeller, which has been dynamically balanced for high efficiency. They are equipped with spherical bearings to ensure smooth mechanical operation and low noise levels. The housing structure is robust, with both interior and exterior surfaces coated with plastic spray, resulting in an aesthetically pleasing appearance, as well as corrosion resistance and excellent rust prevention.

The "Haojin Oubo" brand BF series ventilators are characterized by their high airflow, high static pressure, low noise, stable mechanical operation, high fan efficiency, attractive design, solid structure, and easy installation. They are widely used in air purification and HVAC ventilation systems for commercial buildings, hotels, basements, workshops, and factory buildings.

>> Model Description



>> Ordering Instructions

- 1. When placing an order, customers can select the appropriate model, specification, and motor power based on the working conditions and requirements.
- 2. Please specify if there are any special requirements, such as dimensions, operating conditions, and static pressure requirements.
- 3. We can provide motors according to customer needs or manufacture units with various special requirements. Customers can also choose the surface paint color and material for the unit, just indicate it when placing the order.
- 4. Our company's engineering technicians and sales personnel are your best consultants for placing orders. They will provide free technical consultation, select solutions, and offer special design and manufacturing services for you.

>>> Inlet and Outlet Air Direction Diagram and Performance Parameter Table

Madal	Inlai	tourd Outlat Air Directions	Schematic	Diagram	Code
Model	inie	t and Outlet Air Directions	Internal Motor (I)	External Motor (E)	
	Horizontal Outlet (T/B)	Front-in, rear (top) out			I
BF250 BF380, BF320	utlet (T/B)	Front-in, rear (bottom) out			Ш
BF500, BF460 BF560	Top Outlet	Front-in, top (rear) out	top (rear) out		III
	Front-in, top (front) out				IV

Note: The direction of the intake and exhaust vents can be customized according to the user's requirements, with the standard exhaust method being Type II.

>> Main Technical Parameters

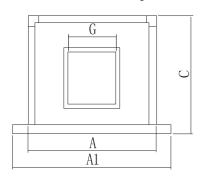
	Ai	Static Pressure		风轮		配电机				
Model	Standard Application Range		Standard Static Pressure	Static Pressure Diame		Quantity	Standard Static Pressure	High Static Pressure	Power Supply	
	m³/h		Pa		mm		kW		V/FHz	
BF250	3500	2400~ 4300	300	_	250	1	0.75	_		
BF320	6200	4300~ 7600	350	_	321	1	1.5	_		
BF380	9000	7600~10000	400	_	381	1	2.2	_	380V/3N~/50Hz	
BF460	12000	10000~ 13800	400	_	460	1	3	_	3007/311~/30112	
BF500	17000	13800~ 20800	400	700	508	1	4	7.5		
BF560	22500	18800~ 25600	450	700	558	1	5.5	11		

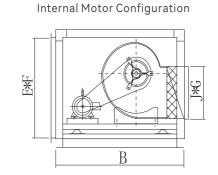
Note: For details on the airflow and static pressure range of the unit, as well as the motor configuration, please refer to page 32.

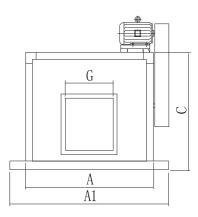


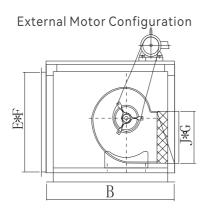
>>> Unit Structure and Main Dimensions

Belt-driven design









Main dimensions for internal motor configuration: (mm)

	Model	Length	Width	Height	Al	Return Air Inlet Dimensions	Supply Air Outlet Dimensions	Overall Unit Weight
		А	В	С	7.11	E*F(Width*Height)	G*J(Width*Height)	kg
	BF250I	650	750	650	810	570*520	285*285	95
	BF320I	700	850	750	860	620*620	360*360	130
	BF380I	900	950	850	1060	820*720	405*405	170
	BF460I	950	1100	950	1110	870*820	505*505	190
	BF500I	1075	1250	1100	1135	995*970	565*565	255
	BF560I	1400	1500	1250	1560	1320*1107	635*635	330

Main dimensions for external motor configuration: (mm)

Model	Length	Width	Height	Al	Return Air Inlet Dimensions	Supply Air Outlet Dimensions	Overall Unit Weight
	А	В	С	7.11	E*F(Width*Height)	G*J(Width*Height)	kg
BF250E	750	600	550	910	670*420	285*285	100
BF320E	800	700	650	960	720*520	360*360	143
BF380E	950	800	800	1110	870*670	405*405	180
BF460E	1100	950	950	1260	980*770	505*505	210
BF500E	1250	1100	1100	1410	1170*970	565*565	250
BF560E	1400	1200	1250	1560	1320*1107	635*635	300
	BF320E BF380E BF460E BF500E	Model A BF250E 750 BF320E 800 BF380E 950 BF460E 1100 BF500E 1250	Model A B BF250E 750 600 BF320E 800 700 BF380E 950 800 BF460E 1100 950 BF500E 1250 1100	Model A B C BF250E 750 600 550 BF320E 800 700 650 BF380E 950 800 800 BF460E 1100 950 950 BF500E 1250 1100 1100	Model A B C BF250E 750 600 550 910 BF320E 800 700 650 960 BF380E 950 800 800 1110 BF460E 1100 950 950 1260 BF500E 1250 1100 1100 1410	Model Length Width Height Al Dimensions BF250E 750 600 550 910 670*420 BF320E 800 700 650 960 720*520 BF380E 950 800 800 1110 870*670 BF460E 1100 950 950 1260 980*770 BF500E 1250 1100 1100 1410 1170*970	Model Length Width Height Al Dimensions Dimensions BF250E 750 600 550 910 670*420 285*285 BF320E 800 700 650 960 720*520 360*360 BF380E 950 800 800 1110 870*670 405*405 BF460E 1100 950 950 1260 980*770 505*505 BF500E 1250 1100 1100 1410 1170*970 565*565

>> Air Volume, Static Pressure and Motor Configuration

Model	Airflow Rate	Static Pressure (Pa)									
DE	m³/h	150	200	300	400	500	600	700	800		
BF	m /n				Compatible	Motor (kW)					
	2400	0.55	0.55	0.75	0.75						
250	3500	0.55	0.75	0.75	1.1						
	4300		1.1	1.1	1.5						
320	4300		0.75	1.1	1.1	1.5					
	6200		1.1	1.5	1.5	2.2					
	7600		2.2	2.2	2.2	3					
380	7600		1.1	1.5	1.5	2.2					
	9000		1.5	1.5	2.2	3					
	10000		2.2	2.2	3	3					
	10000		1.5	2.2	2.2	3					
460	12000		2.2	2.2	3	4					
	13800		3	3	4	4					
	13800		2.2	3	3	4	5.5	5.5			
500	17000		3	3	4	5.5	7.5	7.5	7.5		
	20800		5.5	5.5	5.5	7.5	7.5	11	11		
560	18800			4	5.5	5.5	7.5	7.5	7.5		
	22500			5.5	5.5	7.5	7.5	11	11		
	25600			7.5	7.5	11	11	11	11		

Note:

- 1. The above models are BF250I to BF560I;
- 2. Specifications and parameters are subject to change without prior notice due to product improvements.

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