



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.



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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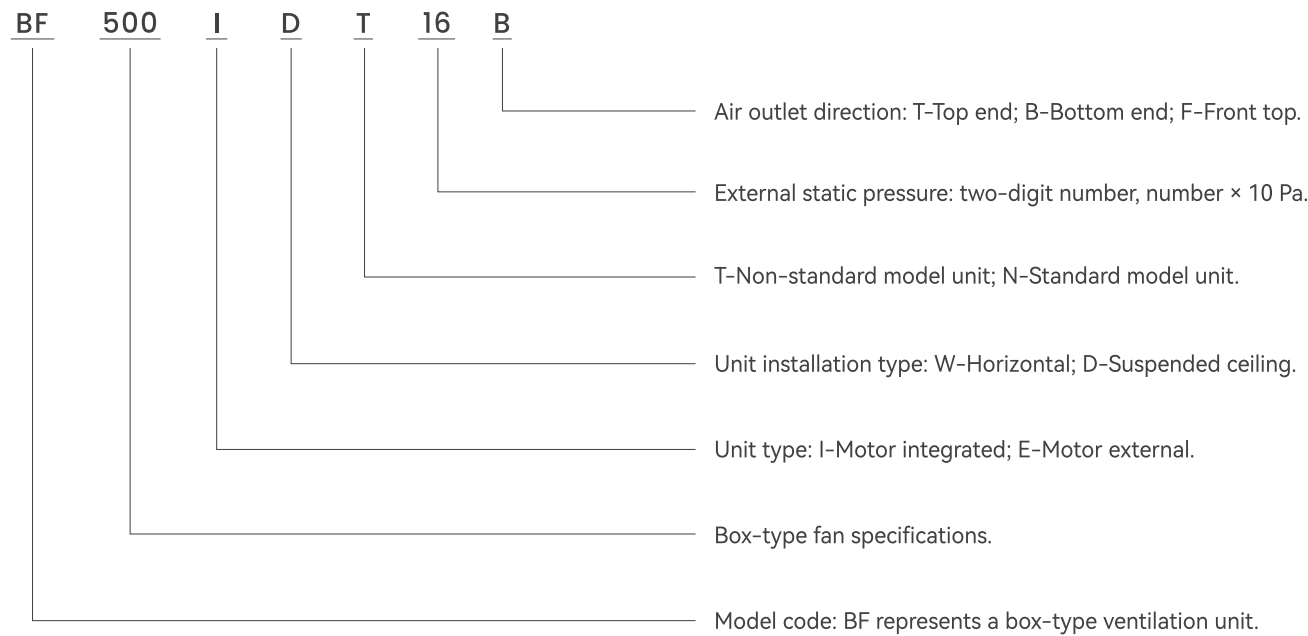
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» Product Features

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.

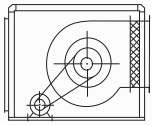
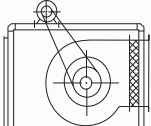
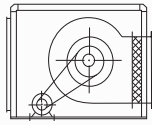
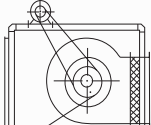
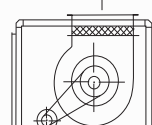
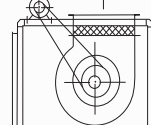
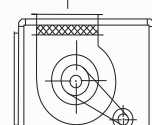
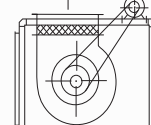
» Model Description



» Ordering Instructions

- When placing an order, customers can select the appropriate model, specification, and motor power based on the working conditions and requirements.
- Please specify if there are any special requirements, such as dimensions, operating conditions, and static pressure requirements.
- 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.
- 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

Model	Inlet and Outlet Air Directions		Schematic Diagram		Code
			Internal Motor (I)	External Motor (E)	
BF250 BF380, BF320 BF500, BF460 BF560	Horizontal Outlet (T/B)	Front-in, rear (top) out			I
		Front-in, rear (bottom) out			II
	Top Outlet (F)	Front-in, top (rear) out			III
		Front-in, top (front) out			IV

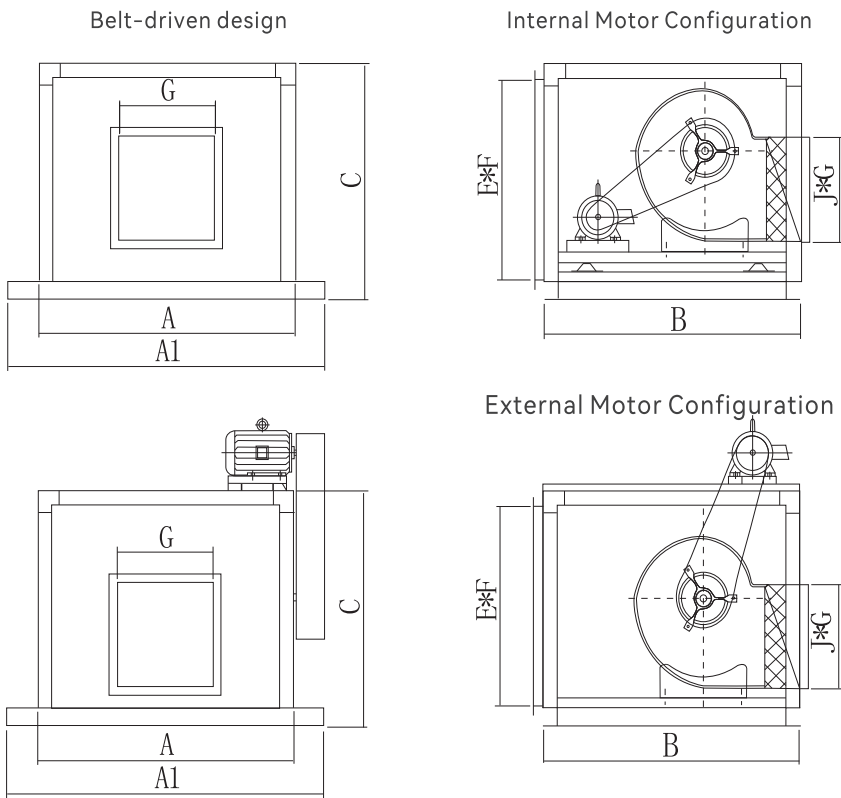
Note: The direction of the intake and exhaust vents can be customized according to the user's requirements, with the standard exhaust method being Type II.

» Main Technical Parameters

Model	Airflow Rate		Static Pressure		风轮		配电机		Power Supply
	Standard	Application Range	Standard Static Pressure	High Static Pressure	Diameter	Quantity	Standard Static Pressure	High Static Pressure	
	m³/h		Pa		mm		kW		
BF250	3500	2400~ 4300	300	—	250	1	0.75	—	380V/3N~/50Hz
BF320	6200	4300~ 7600	350	—	321	1	1.5	—	
BF380	9000	7600~10000	400	—	381	1	2.2	—	
BF460	12000	10000~ 13800	400	—	460	1	3	—	
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



Main dimensions for internal motor configuration: (mm)

Model	Length	Width	Height	AI	Return Air Inlet Dimensions	Supply Air Outlet Dimensions	Overall Unit Weight
	A	B	C		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	AI	Return Air Inlet Dimensions	Supply Air Outlet Dimensions	Overall Unit Weight
	A	B	C		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

Air Volume, Static Pressure and Motor Configuration

Model	Airflow Rate m³/h	Static Pressure (Pa)							
		150	200	300	400	500	600	700	800
BF250	2400	0.55	0.55	0.75	0.75				
	3500	0.55	0.75	0.75	1.1				
	4300		1.1	1.1	1.5				
BF320	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			
BF380	7600		1.1	1.5	1.5	2.2			
	9000		1.5	1.5	2.2	3			
	10000		2.2	2.2	3	3			
BF460	10000		1.5	2.2	2.2	3			
	12000		2.2	2.2	3	4			
	13800		3	3	4	4			
BF500	13800		2.2	3	3	4	5.5	5.5	
	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
BF560	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:
- The above models are BF250I to BF560I;
 - Specifications and parameters are subject to change without prior notice due to product improvements.