FEICE 飞策®

Products type-chosing manual

产品选型手册

第12版 Ex

防爆风机类

Explosion proof Fan

飞策防爆电器股份有限公司

FEICE EXPLOSION-PROOF ELECTRIC CO.,LTD

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BFS-系列防爆排风扇
BFS-Series explosion-proof exhaust fan



型号含义 Model implication

BFS-□/□S□□

- 防爆 Explosion-proof
- 排风扇 Exhaust fan
- 扇叶直径 Diameter of vane
- 额定电压 Rated voltage
- 安装方式 Ways of installation
  - B-壁式(可不注) Wall type(No marking)
  - D-管道式 Pipe type
  - L-岗位式 Bracket type
  - G-固定式 Fixing type
- 带百叶窗(不要求不注) With shutters (No marking without requirement)
- WF1-户外防中等腐蚀(不带不注) WF1- Outdoor middle erosion-proof (No marking if without)

适用范围 Applications

1. 广泛用于石油开采、炼油、化工、海洋石油平台、油轮等易燃易爆气体环境，也用于军工、港口、粮食储存、金属加工等可燃性粉尘场所；
2. 适用于爆炸性气体环境的1区、2区；
3. 适用于ⅡA、ⅡB、 ⅡC类爆炸性气体环境；
4. 适用于可燃性粉尘环境的21区、22区；
5. 适用于温度组别为T1~T4；
6. 作为厂房，仓库通风换气、降温或加强暖气散热之用。

1. It is widely used in flammable and explosive gas environment such as oil exploitation, refining, chemical industry, offshore oil platform, oil tanker, etc. It is also used in flammable dust places such as military industry, port, grain storage and metal processing;
2. Applicable to Zone 1 and Zone 2 of explosive gas environment;
3. Applicable to IIA, IIB, IIC explosive gas environment;
4. Applicable to areas 21 and 22 of flammable dust environment;
5. Applicable to the temperature group is T1 ~ T4;
6. As a factory building, the warehouse is ventilated, cooled or heated. Use.

执行标准 Executive standard

GB 3836.1、GB 3836.2、GB 3836.3、GB 12476.1、GB 12476.5、IEC 60079-0、IEC 60079-1、IEC 60079-7、IEC 61241-0、IEC 61241-1、EN 60079-0、EN 60079-1、EN 60079-7、EN 61241-0、EN 61241-1

BFS-系列防爆排风扇
BFS-Series explosion-proof exhaust fan

FEICE 飞策

产品特点 Features

1. 防爆型式为隔爆、增安复合型或粉尘防爆型。
2. 方型排风扇外框由优质钢板焊接而成，安装孔在外框上，安装十分方便。可根据用户要求配装百叶窗。
3. 圆筒型排风扇外壳由优质钢板焊接后再经专用模具滚压成型。表面压制有进风方向、旋转方向指示标志，同时压有“Ex”防爆标志。安装方式有壁式、管道式、岗位式、固定式。
4. 摇头型排风扇防护网罩由钢丝焊接而成，重量轻、强度高，出风量大。摇头型排风扇配有隔爆型控制盒，风扇头部摆角为120°，扫风面积大，也可在任意位置对一个方向排风。安装方式有壁式、落地式。
5. 排风扇电机为特制气体、粉尘防爆电机，运转平稳、噪音小；叶片采用空气动力学原理设计，风量大、送风均匀。
6. 外壳及电机表面通过高速抛丸处理，采用先进的全自动高压静电喷塑、热固一体化流水线工艺处理，壳体表面形成的塑层附着力强，不易脱落，有效达到保护壳体的目的，提高了产品的防腐能力。
7. 安装、维护或检修前需切断前级电源，安装时接好线后将密封圈压紧，旋紧各螺纹连接件和紧固件。
8. 所有外露紧固件均采用不锈钢材质。

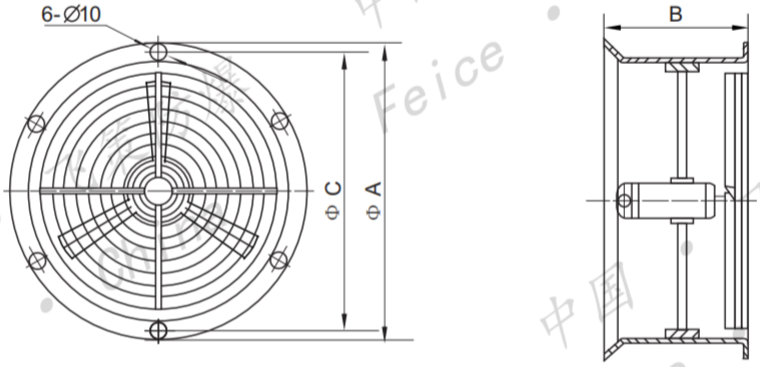
1. Explosion-proof type is explosion-proof, increased safety composite type or dust explosion-proof type.
2. The square exhaust fan frame is welded by high-quality steel plate, and the mounting hole is on the outer frame, which is very convenient to install. Blinds can be fitted according to user requirements.
3. The cylindrical exhaust fan casing is welded by high-quality steel plate and then rolled by special mold. The surface is pressed with the direction of the wind and the direction of rotation, and the “Ex” explosion-proof mark is pressed at the same time. The installation method is wall type, pipeline type, post type and fixed type.
4. The head-type exhaust fan protective net cover is welded by steel wire, which is light in weight, high in strength and large in air output. The moving head type exhaust fan is equipped with an explosion-proof control box. The fan head has a swing angle of 120°, and the sweeping area is large, and the wind can be exhausted in one direction at any position. The installation method is wall type and floor type.
5. The exhaust fan motor is a special gas and dust explosion-proof motor with stable operation and low noise. The blades are designed with aerodynamic principle, with large air volume and uniform air supply.
6. The surface of the outer casing and motor is processed by high-speed shot blasting. It adopts advanced automatic high-pressure electrostatic spray and thermo-solid integrated assembly line process. The plastic layer formed on the surface of the shell has strong adhesion and is not easy to fall off. The purpose is to improve the anti-corrosion ability of the product.
7. Before installing, maintaining or overhauling, cut off the power supply of the front stage. After connecting the wires, tighten the sealing ring and tighten the threaded connecting parts and fasteners.
8. All exposed fasteners are made of stainless steel.

主要技术参数 Main technical parameter

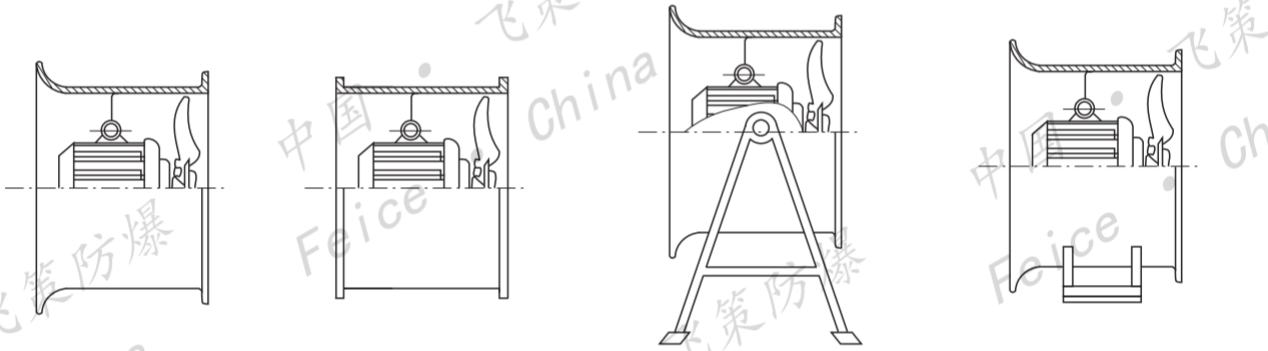
型号 Type	电压 Voltage (V)	功率(W) Power		风量 Air volumn (m^3/min)	主轴转速 Speed of main axis(rpm)	防腐等级 Erosion-proof class
		110V/220V	380V			
BFS-250	110 220 380	180	180	18	1450	WF1
BFS-300		180	180	24		
BFS-400		180	180	48		
BFS-500		350	300	95		
BFS-600		750	550	145		
BFS-710			3000	397		

防爆标志 Ex-mark	防护等级 Degree ofprotection	电缆外径 Cable outer dia. (mm)	进线口螺纹 Inlet thread (G)
Ex d e ⅡCT4 Gb Ex tD A21 IP65 T130℃	IP65	Φ10～Φ14	G¾

外形及安装尺寸 Outline & installation dimensions



BFS-□ 外形图 Outline diagram



B-壁式 Wall type　D-管道式 Pipe type　L-岗位式 Bracket type　G-固定式 Fixing type

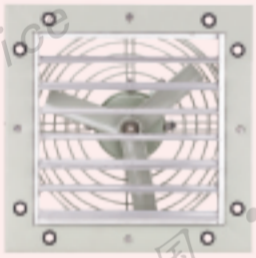
单位 Unit:mm

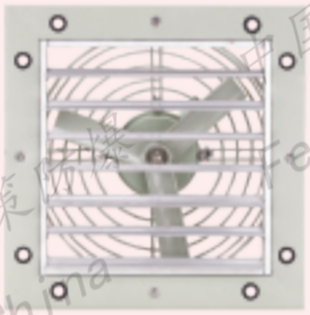
型号 Type	ΦA	B	ΦC
BFS-250	300	270	285
BFS-300	350	270	335
BFS-400	450	270	435
BFS-500	550	300	535
BFS-600	650	300	635
BFS-710	760	490	738

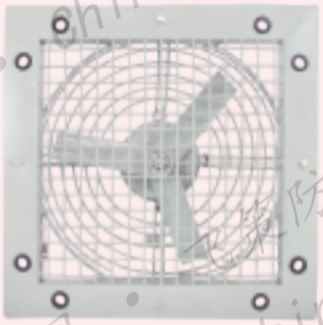
订货须知 Ordering guiding

1. 按照型号含义中的规则逐条进行选择，并在型号含义后增加防爆标志。
2. 如用户有特殊需求，需在订购时详细指明。

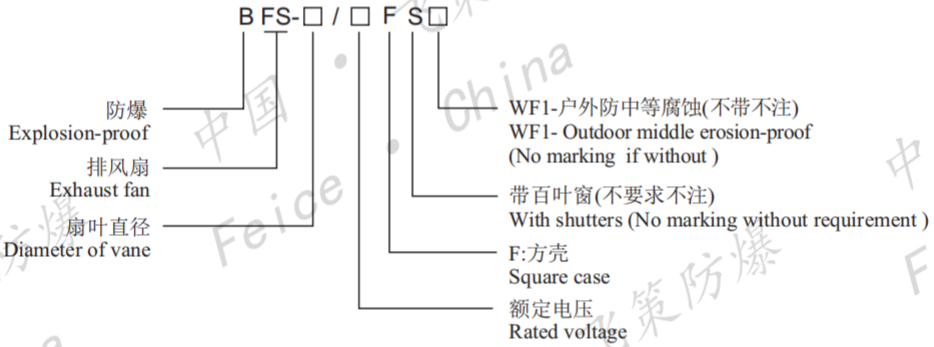
1. According to the model implication's rules to select regularly, and Ex-mark should be added behind model implication;
2. If there are some special requirements, it should be pointed as ordering.


带百叶 With louvers


带百叶 With louvers



型号含义 Model implication



适用范围 Applications

1. 广泛用于石油开采、炼油、化工、海洋石油平台、油轮等易燃易爆气体环境，也用于军工、港口、粮食储存、金属加工等可燃性粉尘场所；
2. 适用于爆炸性气体环境的1区、2区；
3. 适用于ⅡA、ⅡB、 ⅡC类爆炸性气体环境；
4. 适用于可燃性粉尘环境的21区、22区；
5. 适用于温度组别为T1~T4；
6. 作为厂房，仓库通风换气、降温或加强暖气散热之用。

1. It is widely used in flammable and explosive gas environment such as oil exploitation, refining, chemical industry, offshore oil platform, oil tanker, etc. It is also used in flammable dust places such as military industry, port, grain storage and metal processing;
2. Applicable to Zone 1 and Zone 2 of explosive gas environment;
3. Applicable to IIA, IIB, IIC explosive gas environment;
4. Applicable to areas 21 and 22 of flammable dust environment;
5. Applicable to the temperature group is T1 ~ T4;
6. As a factory building, the warehouse is ventilated, cooled or heated. Use.

执行标准 Executive standard

GB 3836.1、GB 3836.2、GB 3836.3、GB 12476.1、GB 12476.5、IEC 60079-0、IEC 60079-1、IEC 60079-7、IEC 61241-0、IEC 61241-1、EN 60079-0、EN 60079-1、EN 60079-7、EN 61241-0、EN 61241-1

BFS-□ F系列防爆排风扇
BFS-□ F Series explosion-proof exhaust fan

产品特点 Features

1. 防爆型式为隔爆、增安复合型或粉尘防爆型。
2. 方型排风扇外框由优质钢板焊接而成，安装孔在外框上，安装十分方便。可根据用户要求配装百叶窗。
3. 圆筒型排风扇外壳由优质钢板焊接后再经专用模具滚压成型。表面压制有进风方向、旋转方向指示标志，同时压有“Ex”防爆标志。安装方式有壁式、管道式、岗位式、固定式。
4. 摇头型排风扇防护网罩由钢丝焊接而成，重量轻、强度高，出风量大。摇头型排风扇配有隔爆型控制盒，风扇头部摆角为120°，扫风面积大，也可在任意位置对一个方向排风。安装方式有壁式、落地式。
5. 排风扇电机为特制气体、粉尘防爆电机，运转平稳、噪音小；叶片采用空气动力学原理设计，风量大、送风均匀。
6. 外壳及电机表面通过高速抛丸处理，采用先进的全自动高压静电喷塑、热固一体化流水线工艺处理，壳体表面形成的塑层附着力强，不易脱落，有效达到保护壳体的目的，提高了产品的防腐能力。
7. 安装、维护或检修前需切断前级电源，安装时接好线后将密封圈压紧，旋紧各螺纹连接件和紧固件。
8. 所有外露紧固件均采用不锈钢材质。

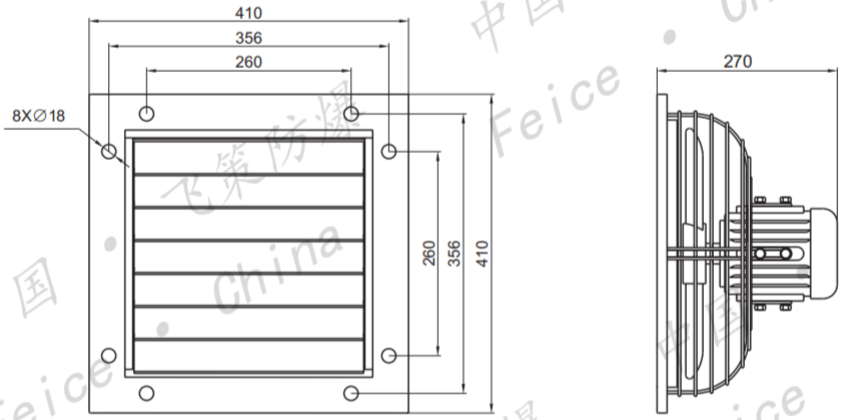
1. Explosion-proof type is explosion-proof, increased safety composite type or dust explosion-proof type.
2. The square exhaust fan frame is welded by high-quality steel plate, and the mounting hole is on the outer frame, which is very convenient to install. Blinds can be fitted according to user requirements.
3. The cylindrical exhaust fan casing is welded by high-quality steel plate and then rolled by special mold. The surface is pressed with the direction of the wind and the direction of rotation, and the “Ex” explosion-proof mark is pressed at the same time. The installation method is wall type, pipeline type, post type and fixed type.
4. The head-type exhaust fan protective net cover is welded by steel wire, which is light in weight, high in strength and large in air output. The moving head type exhaust fan is equipped with an explosion-proof control box. The fan head has a swing angle of 120°, and the sweeping area is large, and the wind can be exhausted in one direction at any position. The installation method is wall type and floor type.
5. The exhaust fan motor is a special gas and dust explosion-proof motor with stable operation and low noise. The blades are designed with aerodynamic principle, with large air volume and uniform air supply.
6. The surface of the outer casing and motor is processed by high-speed shot blasting. It adopts advanced automatic high-pressure electrostatic spray and thermo-solid integrated assembly line process. The plastic layer formed on the surface of the shell has strong adhesion and is not easy to fall off. The purpose is to improve the anti-corrosion ability of the product.
7. Before installing, maintaining or overhauling, cut off the power supply of the front stage. After connecting the wires, tighten the sealing ring and tighten the threaded connecting parts and fasteners.
8. All exposed fasteners are made of stainless steel.

主要技术参数 Main technical parameters

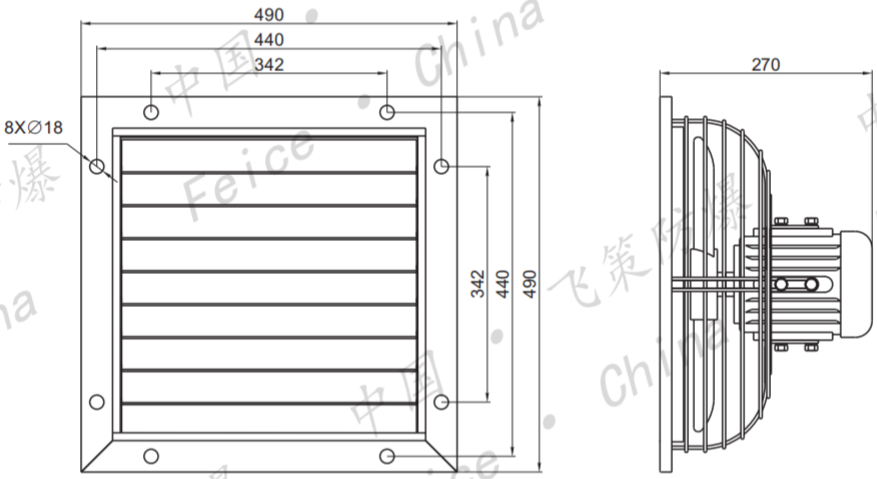
型号 Type	电压 Voltage (V)	功率(W) Power	风量 Air volumn (m^3/min)	主轴转速 Speed of main axis(rpm)	防腐等级 Erosion-proof class
		110V/220V/380V			
BFS-300F(S)	110/220 380	180	24	1450	WF1
BFS-400F(S)		180	48		

防爆标志 Ex-mark	防护等级 Degree of protection	电缆外径 Cable outer dia (mm)	进线口螺纹 Inlet thread (G)
Ex d eⅡ CT4 Gb Ex tD A21 IP65 T130℃	IP54	Φ10～Φ14	G3/4

外形及安装尺寸 Outline & installation dimensions



BFS-300F(S)



BFS-400F(S)

订货须知 Ordering guiding

1. 按照型号含义中的规则逐条进行选择，并在型号含义后增加防爆标志。
2. 如用户有特殊需求，需在订购时详细指明。

1. According to the model implication's rules to select regularly, and Ex-mark should be added behind model implication;
2. If there are some special requirements, it should be pointed as ordering.

BFS-□ AF系列防爆排风扇(轴流)
BFS-□ AF series explosion-proof exhaust fan (axial flow)



型号含义 Model implication

B FS-□ /□ AF□ □

- 防爆 Explosion-proof
- 风机 Fan
- 扇叶直径 Dia. of vane
- 额定电压 Rated voltage
- 安装方式 Ways of installation
  - B-壁式(可不注) Wall type (No marking)
  - D-管道式 Pipe type
  - L-岗位式 Bracket type
  - G-固定式 Fixing type
- 轴流 Axial flow
- WF1-户外防中等腐蚀(不带不注) WF1- Outdoor middle erosion-proof (No marking if without)

适用范围 Applications

1. 广泛用于石油开采、炼油、化工、海洋石油平台、油轮等易燃易爆气体环境，也用于军工、港口、粮食储存、金属加工等可燃性粉尘场所；
2. 适用于爆炸性气体环境的1区、2区；
3. 适用于ⅡA、ⅡB、 ⅡC类爆炸性气体环境；
4. 适用于可燃性粉尘环境的21区、22区；
5. 适用于温度组别为T1~T4；
6. 作为厂房，仓库通风换气、降温或加强暖气散热之用。

1. It is widely used in flammable and explosive gas environment such as oil exploitation, refining, chemical industry, offshore oil platform, oil tanker, etc. It is also used in flammable dust places such as military industry, port, grain storage and metal processing;
2. Applicable to Zone 1 and Zone 2 of explosive gas environment;
3. Applicable to IIA, IIB, IIC explosive gas environment;
4. Applicable to areas 21 and 22 of flammable dust environment;
5. Applicable to the temperature group is T1 ~ T4;
6. As a factory building, the warehouse is ventilated, cooled or heated. Use.

执行标准 Executive standard

GB 3836.1、GB 3836.2、GB 3836.3、GB 12476.1、GB 12476.5、IEC 60079-0、IEC 60079-1、IEC 60079-7、IEC 61241-0、IEC 61241-1、EN 60079-0、EN 60079-1、EN 60079-7、EN 61241-0、EN 61241-1

BFS-□AF系列防爆排风扇(轴流)

BFS-□ AF series explosion-proof exhaust fan (axial flow)

FEICE 飞策

■ 产品特点 Features

1. 防爆型式为隔爆、增安复合型或粉尘防爆型。
2. 方型排风扇外框由优质钢板焊接而成，安装孔在外框上，安装十分方便。可根据用户要求配装百叶窗。
3. 圆筒型排风扇外壳由优质钢板焊接后再经专用模具滚压成型。表面压制有进风方向、旋转方向指示标志，同时压有“Ex”防爆标志。安装方式有壁式、管道式、岗位式、固定式。
4. 摇头型排风扇防护网罩由钢丝焊接而成，重量轻、强度高，出风量大。摇头型排风扇配有隔爆型控制盒，风扇头部摆角为120°，扫风面积大，也可在任意位置对一个方向排风。安装方式有壁式、落地式。
5. 排风扇电机为特制气体、粉尘防爆电机，运转平稳、噪音小；叶片采用空气动力学原理设计，风量大、送风均匀。
6. 外壳及电机表面通过高速抛丸处理，采用先进的全自动高压静电喷塑、热固一体化流水线工艺处理，壳体表面形成的塑层附着力强，不易脱落，有效达到保护壳体的目的，提高了产品的防腐能力。
7. 安装、维护或检修前需切断前级电源，安装时接好线后将密封圈压紧，旋紧各螺纹连接件和紧固件。
8. 所有外露紧固件均采用不锈钢材质。

1. Explosion-proof type is explosion-proof, increased safety composite type or dust explosion-proof type.
2. The square exhaust fan frame is welded by high-quality steel plate, and the mounting hole is on the outer frame, which is very convenient to install. Blinds can be fitted according to user requirements.
3. The cylindrical exhaust fan casing is welded by high-quality steel plate and then rolled by special mold. The surface is pressed with the direction of the wind and the direction of rotation, and the “Ex” explosion-proof mark is pressed at the same time. The installation method is wall type, pipeline type, post type and fixed type.
4. The head-type exhaust fan protective net cover is welded by steel wire, which is light in weight, high in strength and large in air output. The moving head type exhaust fan is equipped with an explosion-proof control box. The fan head has a swing angle of 120°, and the sweeping area is large, and the wind can be exhausted in one direction at any position. The installation method is wall type and floor type.
5. The exhaust fan motor is a special gas and dust explosion-proof motor with stable operation and low noise. The blades are designed with aerodynamic principle, with large air volume and uniform air supply.
6. The surface of the outer casing and motor is processed by high-speed shot blasting. It adopts advanced automatic high-pressure electrostatic spray and thermo-solid integrated assembly line process. The plastic layer formed on the surface of the shell has strong adhesion and is not easy to fall off. The purpose is to improve the anti-corrosion ability of the product.
7. Before installing, maintaining or overhauling, cut off the power supply of the front stage. After connecting the wires, tighten the sealing ring and tighten the threaded connecting parts and fasteners.
8. All exposed fasteners are made of stainless steel.

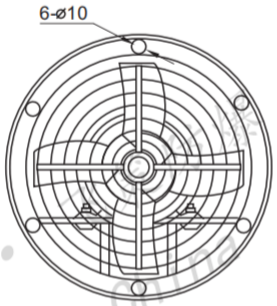
■ 主要技术参数 Main technical parameters

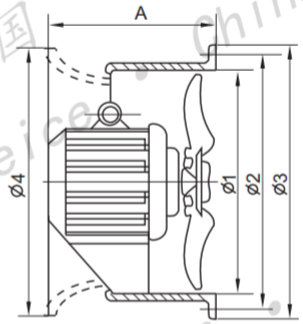
型号 Type	叶轮直径(mm) Impeller Diameter	功率(W) Power	风量 Air quantity (m^3/h)	主轴转数 Revolutions of main axis
		220/380V		
BFS-250AF	250	116/116	1440	1450
BFS-300AF	300	180/180	2280	
BFS-400AF	400	180/180	2880	
BFS-500AF	500	350/300	5700	
BFS-600AF	600	750/550	8700	
BFS-710AF	710	380V/3000W	23815	

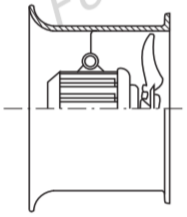
电压(V) Voltage	防护等级 Degree of protection	防爆标志 Ex-mark	防腐等级 Erosion-proof class	电缆外径 Cable outer dia(mm)	进线口螺纹 Inlet thread(G)
110,220,380	IP65	Ex d eⅡCT4 Gb Ex tD A21 IP65 T130℃	WF1	Φ10～Φ14	G¾

BFS-□AF系列防爆排风扇(轴流)
BFS-□ AF series explosion-proof exhaust fan (axial flow)

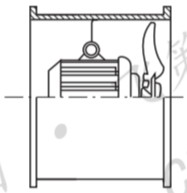
■ 外形及安装尺寸 Outline & installation dimensions



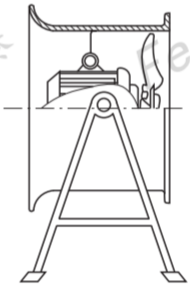




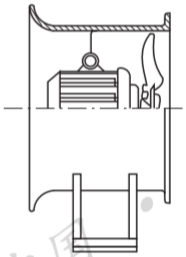
B-壁式
Wall type



D-管道式
Pipe type



L-岗位式
Bracket type



G-固定式
Fixing type

型号规格 Type	A	Φ1	Φ2	Φ3	Φ4
BFS-250AF	270	260	280	300	300
BFS-300AF	270	310	335	350	365
BFS-400AF	270	410	435	450	465
BFS-500AF	300	510	535	560	565
BFS-600AF	300	610	635	660	670
BFS-710AF	490	710	738	760	780

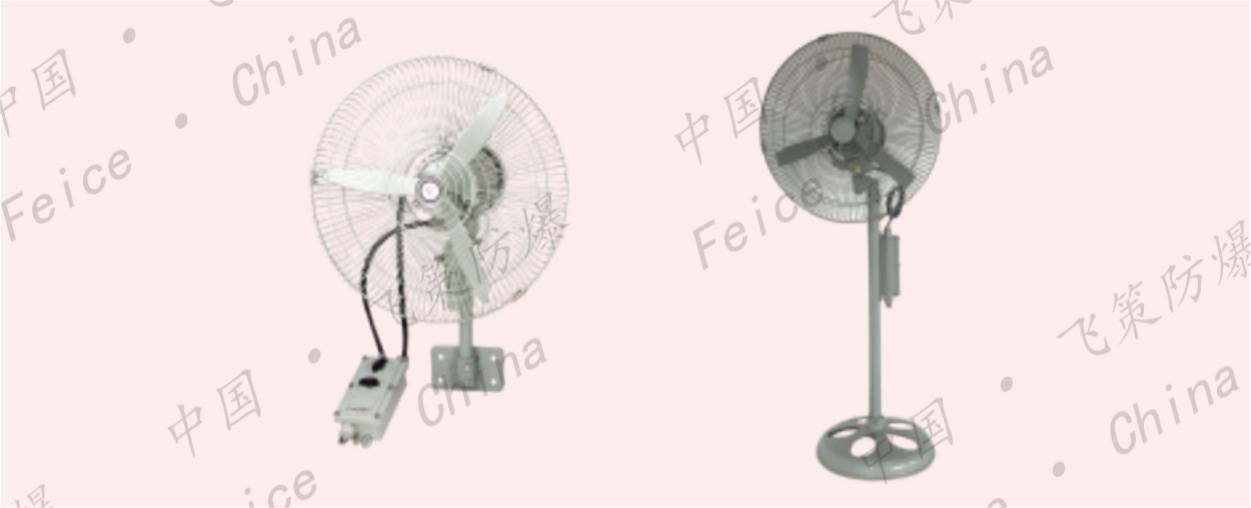
注：所有尺寸单位均为毫米。 Note: Unit of all dimensions: mm.

■ 订货须知 Ordering guiding

1. 按照型号含义中的规则逐条进行选择，并在型号含义后增加防爆标志。
2. 如用户有特殊需求，需在订购时详细指明。

1. According to the model implication's rules to select regularly, and Ex-mark should be added behind model implication;
2. If there are some special requirements, it should be pointed as ordering.

BFS-□ FB系列防爆排风扇(摇头)
BFS-□ FB Series explosion proof rotation fan



型号含义 Model implication

BFS-□ /□ FB□

- 防爆排风扇 Explosion-proof exhaust fan
- 风叶直径 Dia. of vane
- 额定电压 Rated voltage
- 摇头风扇 Rotation fan
- L:落地式 Console type
- B:壁式 Wall type

适用范围 Applications

1. 广泛用于石油开采、炼油、化工、海洋石油平台、油轮等易燃易爆气体环境，也用于军工、港口、粮食储存、金属加工等可燃性粉尘场所；
2. 适用于爆炸性气体环境的1区、2区；
3. 适用于ⅡA、ⅡB、 ⅡC类爆炸性气体环境；
4. 适用于可燃性粉尘环境的21区、22区；
5. 适用于温度组别为T1~T4；
6. 作为厂房，仓库通风换气、降温或加强暖气散热之用。

1. It is widely used in flammable and explosive gas environment such as oil exploitation, refining, chemical industry, offshore oil platform, oil tanker, etc. It is also used in flammable dust places such as military industry, port, grain storage and metal processing;
2. Applicable to Zone 1 and Zone 2 of explosive gas environment;
3. Applicable to IIA, IIB, IIC explosive gas environment;
4. Applicable to areas 21 and 22 of flammable dust environment;
5. Applicable to the temperature group is T1 ~ T4;
6. As a factory building, the warehouse is ventilated, cooled or heated. Use.

执行标准 Executive standard

GB 3836.1、GB 3836.2、GB 3836.3、GB 12476.1、GB 12476.5、IEC 60079-0、IEC 60079-1、IEC 60079-7、IEC 61241-0、IEC 61241-1、EN 60079-0、EN 60079-1、EN 60079-7、EN 61241-0、EN 61241-1

主要技术参数 Main technical parameters

型号规格 Type	电压 (V) Voltage	功率(W) Power		风量 wind volumn m^3/min	ΦA (mm)
		220V	380V		
BFS-400FB	220 380	450		55	475
BFS-500FB				110	575
BFS-600FB				160	675
BFS-750FB				300	825

防爆标志 Ex-mark	进线口螺纹 Inlet thread(G)	电缆外径 Cable outer dia.(mm)
Ex d e ⅡCT4 Gb Ex tD A21 IP65 T130℃	G½	Φ7～Φ10

BFS-□ FB系列防爆排风扇(摇头)
BFS-□ FB Series explosion proof rotation fan

■ 产品特点 Features

1. 防爆型式为隔爆、增安复合型或粉尘防爆型。
2. 方型排风扇外框由优质钢板焊接而成，安装孔在外框上，安装十分方便。可根据用户要求配装百叶窗。
3. 圆筒型排风扇外壳由优质钢板焊接后再经专用模具滚压成型。表面压制有进风方向、旋转方向指示标志，同时压有“Ex”防爆标志。安装方式有壁式、管道式、岗位式、固定式。
4. 摇头型排风扇防护网罩由钢丝焊接而成，重量轻、强度高，出风量大。摇头型排风扇配有隔爆型控制盒，风扇头部摆角为120°，扫风面积大，也可在任意位置对一个方向排风。安装方式有壁式、落地式。
5. 排风扇电机为特制气体、粉尘防爆电机，运转平稳、噪音小；叶片采用空气动力学原理设计，风量大、送风均匀。
6. 外壳及电机表面通过高速抛丸处理，采用先进的全自动高压静电喷塑、热固一体化流水线工艺处理，壳体表面形成的塑层附着力强，不易脱落，有效达到保护壳体的目的，提高了产品的防腐能力。
7. 安装、维护或检修前需切断前级电源，安装时接好线后将密封圈压紧，旋紧各螺纹连接件和紧固件。
8. 所有外露紧固件均采用不锈钢材质。

1. Explosion-proof type is explosion-proof, increased safety composite type or dust explosion-proof type.
2. The square exhaust fan frame is welded by high-quality steel plate, and the mounting hole is on the outer frame, which is very convenient to install. Blinds can be fitted according to user requirements.
3. The cylindrical exhaust fan casing is welded by high-quality steel plate and then rolled by special mold. The surface is pressed with the direction of the wind and the direction of rotation, and the “Ex” explosion-proof mark is pressed at the same time. The installation method is wall type, pipeline type, post type and fixed type.
4. The head-type exhaust fan protective net cover is welded by steel wire, which is light in weight, high in strength and large in air output. The moving head type exhaust fan is equipped with an explosion-proof control box. The fan head has a swing angle of 120°, and the sweeping area is large, and the wind can be exhausted in one direction at any position. The installation method is wall type and floor type.
5. The exhaust fan motor is a special gas and dust explosion-proof motor with stable operation and low noise. The blades are designed with aerodynamic principle, with large air volume and uniform air supply.
6. The surface of the outer casing and motor is processed by high-speed shot blasting. It adopts advanced automatic high-pressure electrostatic spray and thermo-solid integrated assembly line process. The plastic layer formed on the surface of the shell has strong adhesion and is not easy to fall off. The purpose is to improve the anti-corrosion ability of the product.
7. Before installing, maintaining or overhauling, cut off the power supply of the front stage. After connecting the wires, tighten the sealing ring and tighten the threaded connecting parts and fasteners.
8. All exposed fasteners are made of stainless steel.

■ 外形及安装尺寸 Outline & installation dimensions

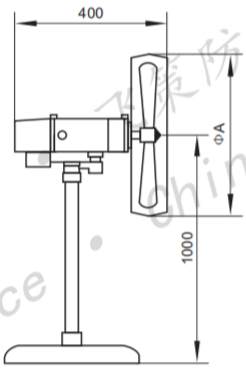
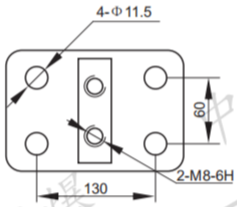


图1 落地式风扇(L)
Fig.1 Console type



墙固安装尺寸
instanation dimenxon of bracket

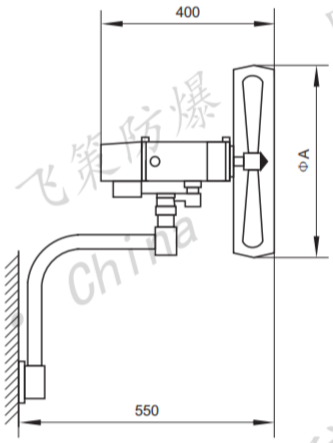


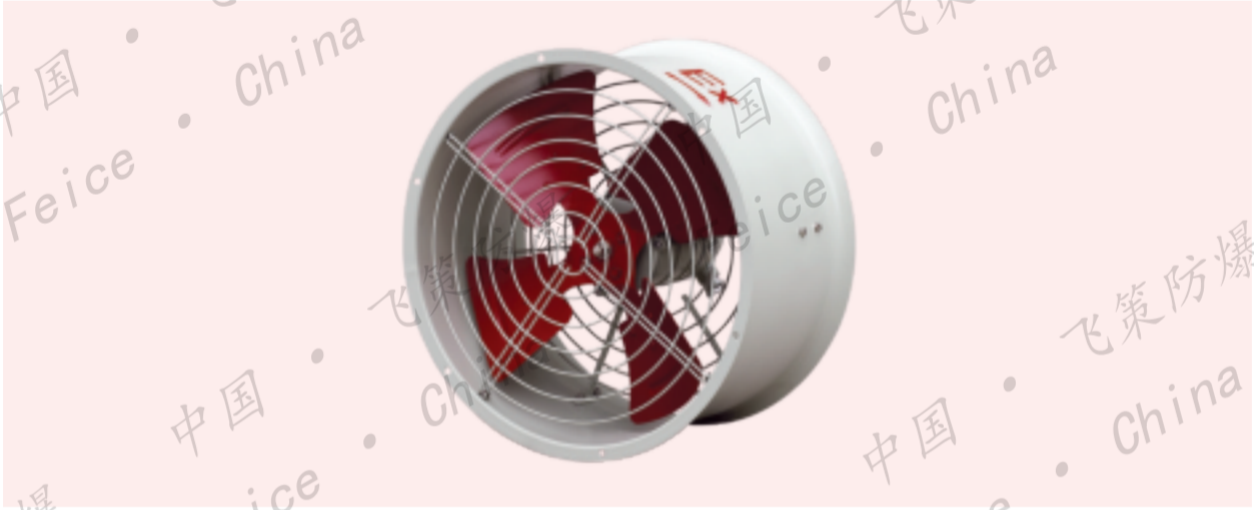
图2 壁式风扇(B)
Fig.2 Wall type fan

■ 订货须知 Ordering guiding

1. 按照型号含义中的规则逐条进行选择，并在型号含义后增加防爆标志。
2. 如用户有特殊需求，需在订购时详细指明。

1. According to the model implication’s rules to select regularly, and Ex-mark should be added behind model implication;
2. If there are some special requirements, it should be pointed as ordering.

BT35-系列防爆轴流风机
BT35-Series explosion-proof axial flow fan



型号含义 Model implication

BT35 - □ /□ /□ /□ □ □

- 防爆轴流风机 Explosion-proof axial flow fan
- 机号 Fan No.
- 额定电压 Rated voltage
- (1450r/min可不注) 叶轮转速 (1450r/min No marking)Rotary spreed
- 风量 wind volumn
- B-壁式(可不注)Wall type (No marking)
- D-管道式 Pipe type
- L-岗位式 Bracket type
- G-固定式 Fixing type
- WF1-户外防中等腐蚀(不带不注) WF1- Outdoor middle erosion-proof (No marking if without)

适用范围 Applications

1. 广泛用于石油开采、炼油、化工、海洋石油平台、油轮等易燃易爆气体环境；
2. 适用于爆炸性气体环境的1区、2区；
3. 适用于ⅡA、ⅡB、 ⅡC类爆炸性气体环境；
4. 适用于温度组别为T1~T4；
5. 作为厂房、仓库通风换气，降低有害气体或易燃易爆气体浓度之用，也可在较长的排气管道内间隔串联安装，提高管道内的压力。

1. Widely used in oil exploration, refining, chemical, offshore oil platforms, Flammable and explosive atmospheres such as oil tankers;
2. Applicable to Zone 1 and Zone 2 of explosive gas environment;
3. Applicable to IIA, IIB, IIC explosive gas environment;
4. Applicable to the temperature group is T1 ~ T4;
5. As a plant and warehouse ventilation, reduce the concentration of harmful gases or flammable and explosive gases, it can also be installed in series in a long exhaust pipe to increase the pressure inside the pipe.

执行标准 Executive standard

GB 3836.1、GB 3836.2、GB 3836.3、GB 12476.1、GB 12476.5、IEC 60079-0、IEC 60079-1、IEC 60079-7、IEC 61241-0、IEC 61241-1、EN 60079-0、EN 60079-1、EN 60079-7、EN 61241-0、EN 61241-1

产品特点 Features

1. 产品由风机用隔爆型异步电动机及叶轮、风筒、防护网等零部件组装而成，叶轮由铸铁件支架薄钢板扇叶组成，重量轻、强度高；全系列叶轮与轴采用键连接，运行可靠，风筒为钢板卷制结构，壳体内外设有接地螺钉；
2. 风机外筒由优质钢板或不锈钢板焊接后再经专用模具滚压成型；表面压有进风方向、旋转方向指示标志，同时压有“Ex”防爆标志。安装方式有壁式(B)、管道式(D)、岗位式(L)、固定式(G)；
3. 防爆轴流风机电机采用特殊设计，运转平稳、噪音小，叶片是根据空气动力学设计，风量大、送风均匀；

4. 可在较长的排风管道内，将轴流风机串联安装，以增加风压，达到远距离送风之用；
5. 外壳及电机表面通过高速抛丸等系列工艺处理后，采用先进的全自动高压静电喷塑、热固一体化流水线工艺处理，壳体表面形成的塑层附着力强，不易脱落，有效达到保护壳体的目的，提高了产品的防腐能力；
6. 所有外露紧固件均采用不锈钢材质。

1. The product is assembled by flameproof asynchronous motor for fan and impeller, air duct, protective net and other components. The impeller is composed of cast iron bracket thin steel plate blades, light weight and high strength; full series impeller and shaft adopt key The connection is reliable and the air cylinder is a steel plate rolled structure, and a grounding screw is arranged inside and outside the casing.
2. The outer cylinder of the fan is welded by high-quality steel plate or stainless steel plate and then rolled by special mold; the surface is pressed with the direction of the wind and the direction of rotation, and the "Ex" explosion-proof mark is pressed at the same time. The installation method is wall type (B), duct type (D), post type (L), and fixed type (G).
3. Explosion-proof axial fan motor adopts special design, stable operation and low noise. The blades are designed according to aerodynamics, with large air volume and uniform air supply.
4. The axial flow fan can be installed in series in a long exhaust duct to increase the wind pressure for long-distance air supply.
5. After the shell and motor surface are processed by high-speed shot blasting and other series of processes, the advanced automatic high-pressure electrostatic spray and thermosetting integrated line process is adopted. The plastic layer formed on the surface of the shell has strong adhesion and is not easy to fall off. The purpose of protecting the shell is to improve the corrosion resistance of the product.
6. All exposed fasteners are made of stainless steel.

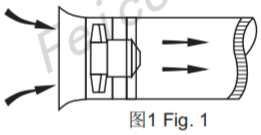
使用 Applications

一、采用BT35防爆轴流风机，需在出风口中联接管道时，必须考虑与管道联接方式，以减少通风机的动压在接管段因扩散而造成的损失。

When connecting the pipes to the outlet of the BT35 explosion-proof axial flow fan, take account of the connection way to reduce the loss which caused by dynamic pressure of ventilator in the a connected pipe.

1. 当管道直径与通风机桶相等时，管道的扩散损失可忽略不计(如图1)；
2. 当 $\frac{FMP}{F1}$ ≤1.5时而管道长度小于管内径5～8倍时，可不加扩散器(如图2)；
3. 当1.5≤ $\frac{FMP}{F1}$ <2.5时，管道与通风机应安装如图所示型式之扩散器(如图3)；
4. 当 $\frac{FMP}{F1}$ >2.5时，管道与通风机应安装如图所示型式之扩散器(如图4)。

1. When the diameter of the pipe is equal to that of ventilator barrel, the loss of diffusion in pipe can be omitted(As shown in fig 1);
2. When $\frac{FMP}{F1}$ ≤1.5 and the pipe is 5～8 times shorter than the internal pipe diameter, the diffuser can be unset(As shown in fig 2);
3. When 1.5≤ $\frac{FMP}{F1}$ <2.5, the diffuser as shown in the diagram shall be fitted to the pipe and ventilator (As shown in fig 3);
4. When $\frac{FMP}{F1}$ >2.5, the diffuser as shown in the diagram shall be fitted to the pipe and ventilator (As shown in fig 4).


图1 Fig. 1

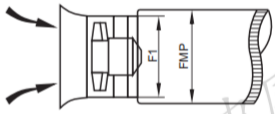


图2 Fig. 2

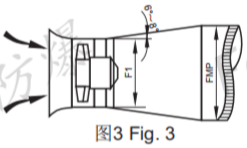


图3 Fig. 3

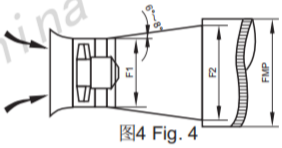
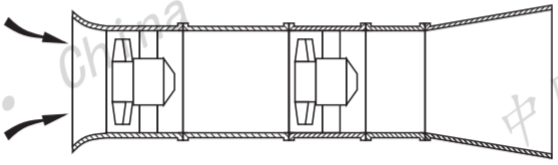


图4 Fig. 4

二、若用在较长的排气管道内，可将风机间隔串联安装，如图所示。以增高风压，但两台风机不可相隔过远。

If the fans are used in the long exhaust pipe, the fans can be fitted in series, as shown in the diagram, to increase the wind pressure, the two rans are not far away.



风机串联示意图
Diagram of fans in series

防爆风机、其它类

主要技术参数 Main technical parameters

防爆标志 Ex-mark	额定电压 Rated volage (V)	进线口螺纹 Inlet thread	电缆外径 Cable outer dia. (mm)
Ex d IIB T4 Gb	220, 380	G¾,M24~M36	Φ8～Φ14/Φ10～Φ22

机号 Fan No.	叶轮直径 Impeller diameter (mm)	叶轮周速 Impeller cycle speed (m/s)	叶轮转速 Speed of impeller (r/min)	叶轮角度 Impeller angle (°)	风量 wind volumn (m^3/h)	全压 Pressure (Pa)	全压效率 Pressure efficiency (%)	电机功率 Motor power (KW)
2.8	280	42.5	2900	15	1649	155	0.87	0.18
				20	2167	172	0.88	0.18
				25	2685	177	0.895	0.18
				30	2921	190	0.88	0.18
				35	3202	237	0.86	0.25
		21.5	1450	15	826	39	0.87	0.18
				20	1086	44	0.88	0.18
				25	1364	45	0.895	0.18
				30	1464	49	0.88	0.18
				35	1605	61	0.86	0.18
3.15	315	47.5	2900	15	2339	196	0.87	0.18
				20	3074	218	0.88	0.25
				25	3810	224	0.895	0.37
				30	4414	242	0.88	0.37
				35	4545	300	0.86	0.55
		23.9	1450	15	1169	49	0.87	0.18
				20	1537	54	0.88	0.18
				25	1905	56	0.895	0.18
				30	2072	60	0.88	0.18
				35	2273	75	0.86	0.18
3.55	355	53.9	2900	15	3367	246	0.87	0.37
				20	4426	277	0.88	0.55
				25	5484	284	0.895	0.55
				30	5965	306	0.88	0.75
				35	6542	380	0.86	1.1
		27.0	1450	15	1680	62	0.87	0.25
				20	2208	69	0.88	0.25
				25	2737	71	0.895	0.25
				30	2977	76	0.88	0.25
				35	3265	95	0.86	0.25
4	400	60.7	2900	15	4806	316	0.87	0.55
				20	6316	352	0.88	1.1
				25	7826	361	0.895	1.1
				30	8513	388	0.88	1.1
				35	9336	483	0.86	1.5
		30.4	1450	15	2406	79	0.87	0.55
				20	3163	88	0.88	0.55
				25	3920	90	0.895	0.55
				30	4263	97	0.88	0.55
				35	4678	121	0.86	0.55

主要技术参数 Main technical parameters

机号 Fan No.	叶轮直径 Impeller diameter (mm)	叶轮周速 Impeller cycle speed (m/s)	叶轮转速 Speed of impeller (r/min)	叶轮角度 Impeller angle (°)	风量 wind volumn (m^3/h)	全压 Pressure (Pa)	全压效率 Pressure efficiency (%)	电机功率 Motor power (KW)
4.5	450	34.2	1450	15	3427	100	0.87	0.55
				20	4504	112	0.88	0.55
				25	5881	115	0.895	0.55
				30	6070	123	0.88	0.55
				35	6658	153	0.86	0.55
5	500	38.0	1450	15	4700	124	0.87	0.75
				20	6178	138	0.88	0.75
				25	7655	141	0.895	0.75
				30	8832	152	0.88	0.75
				35	9133	189	0.86	0.75
		25.1	960	15	3314	54	0.87	0.37
				20	4129	60	0.88	0.37
				25	5117	62	0.895	0.37
				30	5566	66	0.88	0.37
				35	6104	83	0.86	0.37
5.6	560	42.5	1450	15	6595	154	0.87	0.75
				20	8667	172	0.88	0.75
				25	10739	177	0.895	0.75
				30	11682	190	0.88	1.1
				35	12812	237	0.86	1.1
		28.1	960	15	4362	68	0.87	0.37
				20	5730	75	0.88	0.37
				25	7101	77	0.895	0.37
				30	7724	83	0.88	0.37
				35	8471	103	0.86	0.37
6.3	630	47.8	1450	15	9393	196	0.87	0.75
				20	12345	218	0.88	1.1
				25	15297	224	0.895	1.5
				30	16639	241	0.88	1.5
				35	18250	303	0.86	2.2
		31.7	960	15	6219	86	0.87	0.37
				20	8173	96	0.88	0.37
				25	10128	98	0.895	0.37
				30	11016	106	0.88	0.75
				35	12082	131	0.86	0.75
7.1	710	53.9	1450	15	13444	249	0.87	1.5
				20	17670	277	0.88	2.2
				25	21895	284	0.895	2.2
				30	23815	306	0.88	3.0
				35	26120	380	0.86	4
		36.7	960	15	8902	110	0.87	0.75
				20	11700	122	0.88	0.75
				25	14498	125	0.895	0.75
				30	15769	134	0.88	0.75
				35	17296	167	0.86	1.1

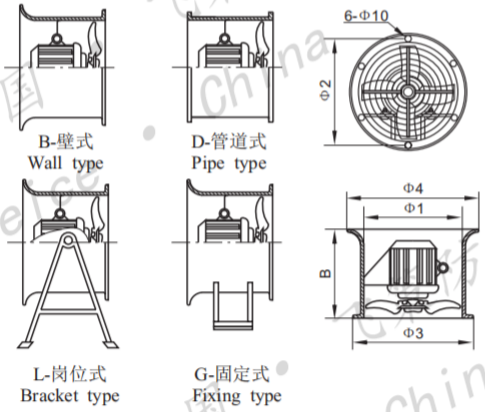
BT35-系列防爆轴流风机
BT35-Series explosion-proof axial flow fan

FEICE 飞策

主要技术参数 Main technical parameters

机号 Fan No.	叶轮直径 Impeller diameter (mm)	叶轮周速 Impeller cycle speed (m/s)	叶轮转速 Speed of impeller (r/min)	叶轮角度 Impeller angle (°)	风量 wind volumn (m^3/h)	全压 Pressure (Pa)	全压效率 Pressure efficiency (%)	电机功率 Motor power (KW)
8	800	60.7	1450	15	19235	316	0.87	2.2
				20	25280	352	0.88	4
				25	31325	361	0.895	4
				30	34073	388	0.88	5.5
				35	37070	483	0.86	7.5
		40.2	960	15	12377	139	0.87	0.75
				20	16733	154	0.88	1.1
				25	20735	158	0.895	1.5
				30	22559	170	0.88	1.5
				35	24739	212	0.86	2.2
9	900	45.2	960	15	18132	175	0.87	1.5
				20	23830	195	0.88	2.2
				25	29529	200	0.895	2.2
				30	32119	215	0.88	3
				35	35227	268	0.86	4
10	1000	50.3	960	15	24874	217	0.87	2.2
				20	32691	241	0.88	3
				25	40509	247	0.895	4
				30	44062	266	0.88	4
				35	48326	331	0.86	7.5
11.2	1120	56.3	960	15	34944	272	0.87	4
				20	45927	300	0.88	5.5
				25	56909	310	0.895	7.5
				30	61091	344	0.88	7.5
				35	67892	415	0.86	11

外形及安装尺寸 Outline & installation dimensions



B-壁式 Wall type　D-管道式 Pipe type

L-岗位式 Bracket type　G-固定式 Fixing type

机号 Fan No	B 二极	B 四极	Φ1	Φ2	Φ3	Φ4	重量 (kg) Weight
2.8	330	270	290	315	335	330	9
3.15	360	270	310	333	353	365	11
3.55	360	270	365	386	408	415	17
4	370	270	410	435	457	465	19
4.5		330	460	485	505	505	20
5		330	510	535	555	565	28
5.6		330	570	595	620	630	39
6.3		470	640	668	695	690	55
7.1		490	710	738	760	780	65
8		550	810	840	855	860	88

订货须知 Ordering guiding

1. 按照型号含义中的规则逐条进行选择，并在型号含义后增加防爆标志。
2. 如用户有特殊需求，需在订购时详细指明。

1. According to the model implication's rules to select regularly and Ex-mark should be added behind model implication;
2. If there are some special requirements, it should be pointed out when ordering.

BK□ □ -系列防爆空调器
BK□ □ -Series explosion-proof air conditioner



型号含义 Model implication

BK □ □ - □ / □

- BK: 防爆空调 Explosion-proof air conditioner
- 第1□: R冷暖型 Cold and warm type
- 第2□: G: 柜式 Cabinet type; F: 挂式 Hanging type
- 第3□: 名义制冷量的百分之一 One percent of nominal refrigerating capacity
- 第4□: 额定电压 Rated voltage

适用范围 Applications

1. 广泛用于石油开采、炼油、化工、海洋石油平台、油轮等易燃易爆气体环境；
2. 适用于爆炸性气体环境的1区、2区；
3. 适用于ⅡA、ⅡB、 ⅡC类爆炸性气体环境；
4. 适用于温度组别为T1～T4/T5/T6；
5. 作为厂房，仓库制冷、制热及空气调节之用。

1. Widely used in oil exploration, refining, chemical, offshore oil platforms, Flammable and explosive atmospheres such as oil tankers;
2. Applicable to Zone 1 and Zone 2 of explosive gas environment;
3. Applicable to IIA, IIB, IIC explosive gas environment;
4. Applicable to the temperature group is T1~T4/T5/T6;
5. As a plant, warehouse refrigeration, heating and air conditioning.

执行标准 Executive standard

GB 3836.1、GB 3836.2、GB 3836.3、GB 3836.4、GB 3836.9、IEC 60079-0、IEC 60079-1、IEC 60079-7、IEC 61241-0、IEC 61241-1、EN 60079-0、EN 60079-1、EN 60079-7、EN 61241-0、EN 61241-1

产品特点 Features

1. 防爆型式为隔爆、增安、本安、浇封复合型；
2. 产品按结构形式分为柜式空调、挂式空调。按功能分为单冷型、冷暖型；
3. 防爆空调采用“格力”品牌机，经防爆处理改装，制冷、制热性能稳定可靠、噪声低。是易燃易爆场所确保人身 安全和生产设备正常运行，改善工作环境舒适度的必备设备；
4. 产品制冷能量大。柜式空调最大制冷量可达26000W(10匹)，挂式空调最大制冷量可达5000W(2匹)；
5. 防爆空调一般出厂为手动控制模式，也可按用户要求设计为遥控模式。

1. Explosion-proof type is explosion-proof, increased safety, intrinsically safe, and sealed composite type;
2. The product is divided into cabinet air conditioner and hanging air conditioner according to the structure. According to the function, it is divided into single cold type and cold type;
3. Explosion-proof air conditioner adopts “Geli” brand machine, which is modified by explosion-proof treatment, with stable and reliable cooling and heating performance and low noise. It is an indispensable equipment for flammable and explosive places to ensure personal safety and normal operation of production equipment and to improve the comfort of working environment;
4. The product has a large cooling energy. The maximum cooling capacity of the cabinet air conditioner can reach 26000W (10 horsepower), and the maximum cooling capacity of the hanging air conditioner can reach 5000W (2 horses);
5. Explosion-proof air conditioners are generally factory-set in manual control mode, and can also be designed as remote control mode according to user requirements.

主要技术参数 Main technical parameters

1匹~3匹防爆空调技术参数
1P~3P explosion-proof air conditioning technical parameters

性能参数 Performance		产品型号 Type				
		BKRF-26	BKRF-35	BKRF-50	BKRG-50	BKRG-72
俗 称 Name		1匹	1.5匹	2匹	2匹	3匹
工作电压(V) Rated volage		AC220	AC220	AC220	AC220	AC220/380
电源频率(Hz) Power frequency		50				
制冷量(W)Capacity of chill		2600	3500	5000	5000	7200
制热量(W)Capacity of thermal		2860	4000	5000	5800	7700
额定输入功率(W) Rated input power	制冷Chill	950	1350	1910	1940	2600
	制热Thermal	920	1380	1600	1770	2420
额定输入电流(A) Rated input current	制冷Chill	4. 4	6. 2	8. 9	9.2	12.5
	制热Thermal	4. 2	6. 4	7. 5	8.3	12
外形尺寸 Dimension 长×宽×高 L×W×H	室内 Indoor	770x240x179	770x240x179	1035x313x203	520x1757x255	520x1757x255
	室外 Outdoor	510x680x250	540x860x255	543x860x255	860x543x254	952x702x312
重 量 (kg) Weight	室内 Indoor	19	19	25	52	57
	室外 Outdoor	38	44	53	51	75
适用面积(m^2) 高度3米内 Area (Height is within 3m)		10~15	15~23	20~30	22~32	30~45
防爆标志 Ex-mark		Ex d e ia[ia Ga] nC IIC T4 Gc			Ex d ib mb IIC T4 Gb	

主要技术参数 Main technical parameters

5匹~10匹防爆空调技术参数
5P~10P explosion-proof air conditioning technical parameters

性能参数 Performance		产品型号 Type	
		BKRG-120/380	BKRG-260/380
俗称 Name		5匹	10匹
电源 Power		~380V, 50Hz	~380V, 50Hz
额定输入功率(W)Rated input power		9000	15300
电辅热输入功率(W) Electric auxiliary heat input power		3500	5400
制冷Chill	制冷量(W)Capacity of chill	12000	26000
	额定功率(W)Rated power	3930	10500
	额定电流(A)Rated current	6.0	16.0
制热Thermal	制热量(W)Capacity of thermal	12500	28000
	额定功率(W)Rated power	3800	9000
	额定电流(A)Rated current	5.8	13.7
制冷剂名称及注入量(kg) Refrigerant name and injection amount		R32 2.45	R22 2x3.3
循环风量(m^3) Circulating air volume		1750	4000
噪声dB(A)(室内/室外) Noise dB(A) (indoor/outdoor)		52/60	63/67
防水等级 Waterproof level		IPX4	
气候类型 Climate type		T1	
防触电保护类别 Anti-shock protection category		I	
外形尺寸 Dimension 长×宽×高 L×W×H	室内 Indoor	581x1870x395	1200x1850x400
	室外 Outdoor	1032x1250x412	1150x1600x360
重 量 (kg) Weight	室内 Indoor	59	145
	室外 Outdoor	103	204
适用面积(m^2) Application area		50~80	80~120
防爆标志 Ex-mark		Ex d e [ib Gb] ib mb IIB/IIC T4 Gb	

订货须知 Order guiding

1. 本系列产品的尺寸参数仅供用户参考，如有对参数不详或有特殊要求时，可与我公司技术部联系。所有参数以铭牌和随产品 的技术文件为准；
2. 因公司发展需要，产品在不断更新，如有更改，恕不另行通知。

1. The size parameters are only for reference, please contact with our technical developing department, if you have any questions or special request. All the parameters shall subject to nameplate and technical documentation;
2. Products are updating without notification because of the development need of our compang.