

Explosion-proof Axial Fan

Product Characteristic

This series of products consists of explosion-proof motors, impellers, wind tubes, etc. The impellers are casted with aluminum alloy, and the wind tubes are welded with steel plates and profiles, then surface treated with high-voltage electrostatic spraying. Steel pipe wiring or cable wiring can be used for power supply leads, with grounding screws outside the housing. It has the characteristics of low noise, low energy consumption, and excellent performance. The CBF explosion-proof exhaust fan can be divided into pipeline axial flow fan, fixed explosion-proof axial flow fan, and post-type explosion-proof axial flow fan according to the installation method.



Usage conditions

1. Hazardous locations with explosive gas mixtures: Zone 1, Zone 2
2. Explosive gas mixtures: IIA, IIB
3. Ambient temperature: -20~+40℃
4. Relative humidity: <95% (+25℃)
5. Places without heavy corrosion or significant dust
6. Operating voltage: 220/380V, 50Hz

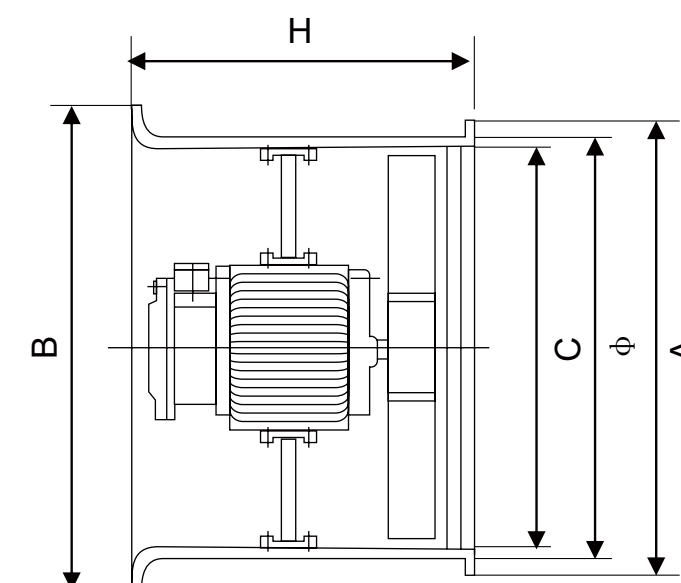
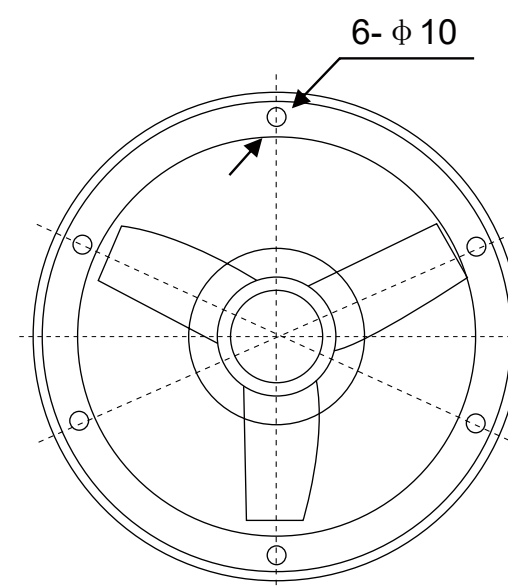


Parameter table

Model	Impeller diameter(mm)	Power (kw)	Air Volume (m³/h)	Spindle speed(r/min)	Voltage (V)	Explosion-proof marking	Protection class	Inlet thread	Wire outer diameter(Ømm)
LWEAF300-01	300	0.18	2280	1450	220/380	ExdII BT4	IP55	3/4	10~14
LWEAF400-01	400	0.37	2880	1450	220/380	ExdII BT4	IP55	3/4	10~14
LWEAF500-01	500	0.55	5700	1450	220/380	ExdII BT4	IP55	3/4	10~14
LWEAF600-01	600	0.75	8700	1450	220/380	ExdII BT4	IP55	3/4	10~14
LWEAF700-01	700	1.1	10200	1450	380	ExdII BT4	IP55	3/4	10~14
LWEAF750-01	750	1.5	10500	1450	380	ExdII BT4	IP55	3/4	10~14

Installation and usage

- Before installation, check whether the basic data listed on the product nameplate matches the actual use conditions.
- The product should be reliably grounded.
- Regardless of the type of cable used, the sealing ring of the inlet device must be pressed tight.
- During installation and maintenance, ensure that the clearance between the phases in the wire chamber is not less than 8mm, and the creepage distance is not less than 10mm.
- When maintenance is required, cut off the power supply to the front stage and open the cover.
- During installation and maintenance, protect the flameproof surface and apply 204-1 rust preventive oil.
- The sealing ring of the inlet device is made of oil-resistant rubber 301, which has a certain Shore hardness. If users find it aging during use or maintenance, they should contact the company for purchase and replacement in a timely manner to ensure explosion-proof performance.



Parameter table

Model	A	B	C	Ø	H	Mounting hole	Remark
LWEAF300-01	355	365	355	312	310	4-Ø7.5	/
LWEAF400-01	455	470	435	412	310	4-Ø7.5	/
LWEAF500-01	555	572	535	512	325	4-Ø7.5	/
LWEAF600-01	655	670	630	610	325	4-Ø7.5	/
LWEAF700-01	766	766	738	710	397	4-Ø7.5	double flange on both sides
LWEAF750-01	808	808	778	750	397	4-Ø7.5	double flange on both sides