Special Explosion-proof air conditioner
ANTI-CORROSION

DESCRIPTION

Explosion-proof and anti-corrosion air conditioners are suitable for:

- Suitable for explosive gas environment zones 1 and 2;
- Applicable to Class IIB and IIC explosive gas environments;
- Suitable for environments with temperature groups T1 to T4;
- Suitable for flammable and explosive places under acid and alkali corrosion conditions;
- Most commonly used in ship construction and dock facilities.

Features of explosion-proof and anti-corrosion air conditioners:

- The outdoor unit and indoor unit are highly resistant to corrosion (generally the outdoor unit is the default), and the evaporator and condenser are entirely composed of copper fins. It also adopts a variety of anti-corrosion technologies to greatly increase the anti-corrosion effect and can operate normally in acid and alkali corrosive environments without shortening the service life of the product. It is N times the service life of ordinary explosion-proof air conditioners. At the same time, the safety performance is also increased (different explosion-proof air conditioners have a service life of only a few months in strong acid and alkali corrosion environments). Explosion-proof and anti-corrosion air conditioners greatly increase the safety performance and service life of the product.
- Explosion-proof air conditioners are divided into two types according to performance: single cooling type and cooling and heating type. According to structure, they can be divided into three types: window unit, split wall-mounted type, and split cabinet type;
- Explosion-proof air conditioners are based on high-quality brand-name air conditioners, designed in accordance with the requirements of the GB3836 series of standards, and use special processing techniques and manufacturing methods for explosion-proof processing;
- The pipeline connection and installation of explosion-proof air conditioners is the same as that of ordinary air conditioners. The electrical connections must follow the installation process requirements of explosion-proof electrical appliances. First, introduce the power supply into the explosion-proof control box, and then introduce it from the explosion-proof control box to the indoor unit and outdoor unit respectively;
- The explosion-proof control box is equipped with a power switch;
- On-site special air-conditioning equipment can be explosion-proofed according to user requirements. For example: for explosion-proof treatment of large chillers, refrigeration units, central air-conditioning equipment and air-conditioning

equipment with special installation forms, we will design and manufacture the plan and submit it to the user for review. If necessary, we can apply for a national explosion-proof testing center to conduct on-site inspection according to user requirements. Product explosion-proof performance testing;

- All explosion-proof air conditioners are shipped with a complete set of product technical information and installation instructions when they leave the factory. Users must strictly follow the instructions for installation and use;
- The product has compact structure, beautiful appearance and easy installation and maintenance;
- High efficiency, energy saving, low noise;
- Steel pipe or cable wiring.
- The whole machine adopts the world's leading ultra-weak current technology to isolate intrinsically safe circuits. It is manufactured with special processes and explosion-proof treatment. The design and manufacturing of the product are strictly in accordance with the relevant national standards:

GB 3836.1-2000 "Electrical equipment for explosive gas environments Part 1: General requirements"
GB 3836.2-2000 "Electrical equipment for explosive gas environments Part 2: Flameproof type "d""
GB 3836.3-2000 "Electrical equipment for explosive gas environments Part 3: Increased safety type "e""
GB 3836.4-2000 "Electrical equipment for explosive gas environments Part 4: Intrinsically safe type "i""
GB 3836.9-2006 "Electrical equipment for explosive gas atmospheres Part 9: Sealed type "m""

- The product surface adopts high surface temperature limit protection technology and comprehensive anti-static technology, as well as a variety of safety protection technologies;
- Wide voltage design, suitable for unstable power supply in the field, voltage: 220V/50Hz, 220V/60Hz, 110V/50Hz;
- Explosion-proof mark: ExdemnAib[ib]ⅡBT4, Exdmib‖CT4.

TECHNICAL PARAMETER

Model		**BKT-2.6FF**	**BKT-3.5FF**	**BKT-5.0FF**	**BKT-7.0FF**
Energy efficiency ratio		2.79	2.79	2.63	2.69
Energy efficiency rating		Level 3	Level 3	Level 3	Level 3
Power supply specifications (V-HZ)		220-50	220-50	220-50	220-50 380-50
System cold	Refrigeration capacity(W)	2600	3500	5000	7000
	Refrigeration power(W)	932	1274	1900	2600
	Rated current(A)	4.2	5.8	9.0	12
System hot	Heating capacity(W)	3100	4300	6000	8400
	Heating power(W)	930	1270	2000	2750
	Rated current(A)	4.2	5.9	9.2	12.7
Run noise dB(A)	indoor	28-37	29-38	36-44	41-47
	outdoor	48	50	56	54
Circulating air volume (cubic/hour)		520	650	800	1050
Control method		Remote control/key control	Remote control/key control	Remote control/key control	keying
Refrigeration applicable area		12-19 m^2	16-25 m^2	23-37 m^2	33-51-118 m^2
Heating applicable area (square)		13-17	17-23	24-32	34-46-92

Remark:
If the specifications are changed, the data provided on the nameplate shall prevail.
The above models are general model parameters. Models beyond the range can be customized according to customer requirements.