

General Introduction of Explosion-proof Window Air Conditioners

- ◆ For explosion-proof window air conditioner, the corresponding product is the single cooling air conditioner in T3 group. It is mainly used in high temperature areas, such as Middle East, Middle Africa, South Asia and tropical zone nearby the equator.
- ◆ Explosion-proof window air conditioner is developed on base of product of Carrier, O GENERAL (FUJI) or GREE brand, by conducting explosion-proof treatment to internal control units, compressor, indoor and outdoor fan motors, temperature sensor system, protective system, heat-removal system, cooling system, etc., after which the outline dimensions and installation are same as the original ones.
- ◆ The low-temperature low-pressure frigerant within cooling system is indrafted by the compressor and compressed to high-temperature high-pressure gas. It then flows into outdoor heat exchanger, resulting in liquid condensed by air. Passing through capillary, it arrives indoor heat exchanger, where it is vaporized, absorbing heat indoor, and then it is introduced by compressor again. Thus, indoor temperature will be reduced through this circulation.
- ◆ Normally, rated voltage is AC220V/50Hz. other voltages are available, such as AC220V/60Hz, AC230V/50Hz, AC230V/60Hz, AC240V/50Hz, AC240V/60Hz etc. please specify when ordering.



Technical data

Explosion-proof window air conditioners **BKC-□/□**

Explosion protection

⊕ II 3 G Ex nCd IIB T4; Ex dmn IIB T4;

Certificates

LCIE 11 ATEX____; PCEC (China)

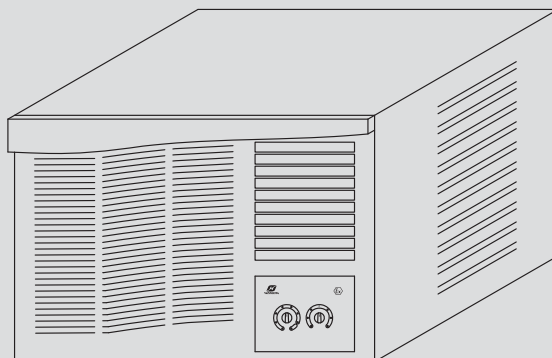
Conformity to standards

EN 60079-0:2004, EN 60079-1:2004, EN 60079-15:2005

IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-15:2005, IEC 60079-18:2004



Dimension drawings (all dimensions in mm) - subject to alteration



Technical data

Type		BKC-35/220	BKC-50/220	BKC-70/220
Cooling capacity	W	3500	5400	7000
	BTU	12000	18000	24000
Rated voltage/Frequency (V/Hz)		220/50	220/50	220/50
Input power (P)		1.5P	2P	3P
Cooling input power (W)		1870	2750	3770
Rated current (A)		8.7	12.8	17.4
Application areas (m ²)		16~25	22~32	30~40
Sound level (dB)	Indoor unit	≤ 52	≤ 53	≤ 57
	Outdoor unit	≤ 58	≤ 60	≤ 63
Outline dimensions (L x W x H) (mm)		730 × 680 × 450	730 × 680 × 450	730 × 680 × 450
Weight (kg)		45	50	55

Accessories

Image	Name	Application	Ordering code
 Explosion-proof fan motor	BKC-35/220 Explosion-proof fan motor	T3, AC220V/50Hz	801001
	BKC-50/220 Explosion-proof fan motor	T3, AC220V/50Hz	801002
	BKC-70/220 Explosion-proof fan motor	T3, AC220V/50Hz	801003
 Explosion-proof compressor	BKC-35/220 Explosion-proof compressor	T3, AC220V/50Hz	801004
	BKC-50/220 Explosion-proof compressor	T3, AC220V/50Hz	801005
	BKC-70/220 Explosion-proof compressor	T3, AC220V/50Hz	801006

