



Catalogue number logic

BKFR ■/■

Rated voltage
Nominal cooling capacity percentage
Heating and cooling type (cooling type without R)
Wall type
Explosion-proof air conditioner

General Introduction

For explosion-proof wall air conditioner, both single cooling and combined heating and cooling products in T1, T2, and T3 are available, to meet different requirements of low, medium and high temperature zones world wide.

Explosion-proof wall air conditioner is developed on base of normal product of MITSUBISHI, Carrier, O GENERAL (FUJI) or GREE brands, by taking explosion-proof measures to indoor and outdoor units. Measures to outdoor unit: by taking special technics and control, conduct explosion-proof treatment to internal control units, compressor, outdoor fan motor,

protective system, heat-removal system, cooling system, etc. Besides, explosion-proof control box and sensor system are coped with intrinsic safety. The outline dimensions and installation are the same as the original ones after explosion-proof treatment. Indoor unit: by taking special technics and control, dismantle internal electric control units and redesign to explosion-proof structure which enables separate explosion-proof control box. Remote controller (3V safety power) and sensor system are coped with intrinsic safety. The outline dimensions and installation are the same as the original ones after explosion-proof treatment.

Normally, the product is of T1 temperature class 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

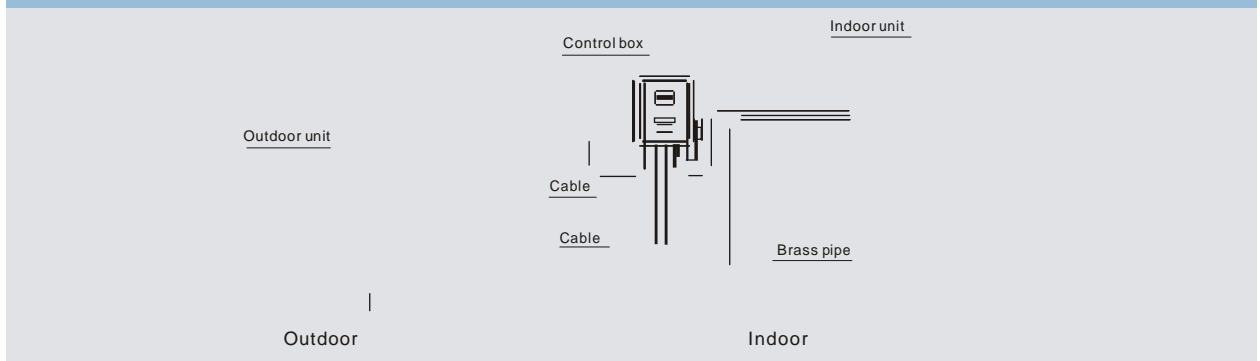
Explosion-proof wall air conditioners BKF(R)- /

Explosion protection	Outdoor unit		Indoor unit	
	BYS Compressor	II 3 G Ex nC II 146 (T3)	BDJ-W Fan motor	II 3 G Ex d IIB
BZC Control station	II 3 G Ex d IIB	BDJ-N Fan motor	II 2 G Ex d IIB T4	
BDJ-W Fan motor	II 3 G Ex d IIB	BXK Control station	II 2 G Ex d[ib] ib IIB T4	

Certificates LCIE 08 ATEX 6031X IECEx CQM 08.0017X PCEC(China)

Conformity to standards EN 60079-0:2004, EN 60079-1:2004, EN 60079-11:2007, EN 60079-15:2005
IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006, IEC 60079-11:2006, IEC 60079-15:2005

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



Zones 1&2

Air Conditioners



BKF Series Explosion-proof Wall Air Conditioners

Technical data

Type	BKF-50/220	BKFR-50/220	BKF-71/220	BKFR-71/220
Cooling capacity	W	5550	5550	7400
	BTU	18000	18000	24000
Heating capacity (W)			6200	8400
Rated voltage/Frequency (V/Hz)	220/50	220/50	220/50	220/50
Input power (P)	2P	2P	3P	3P
Cooling input power/Current (W/A)	2060/9.6	2060/9.8	2650/12.2	2650/12.4
Heating input power/Current (W/A)		1790/8.48		2770/13.0
Application areas (m ²)	24 36	22 27	29 48	27 34
Sound level (dB)	Indoor unit	43	43	44
	Outdoor unit	49	51	53
Outline dimensions (L x W x H) (mm)	Indoor unit	1100 x 358 x 294	1100 x 358 x 294	1100 x 358 x 294
	Outdoor unit	860 x 655 x 330	860 x 655 x 330	860 x 655 x 330
Weight (kg)	Indoor unit	16	16	16
	Outdoor unit	54	58	78
	Control box	10	10	10

Note: Technical data above for products of T1 rating.

Accessories

Image	Name	Application	Ordering code
	BKF(R)-50/220 Explosion-proof indoor fan motor	T1, AC220V/50Hz	802001
		T2, AC220V/50Hz	802002
		T3, AC220V/50Hz	802003
	BKF(R)-71/220 Explosion-proof indoor fan motor	T1, AC220V/50Hz	802004
		T2, AC220V/50Hz	802005
		T3, AC220V/50Hz	802006
	BKF(R)-50/220 Explosion-proof compressor	T1, AC220V/50Hz	802007
		T2, AC220V/50Hz	802008
		T3, AC220V/50Hz	802009
	BKF(R)-71/220 Explosion-proof compressor	T1, AC220V/50Hz	802010
		T2, AC220V/50Hz	802011
		T3, AC220V/50Hz	802012
Explosion-proof outdoor fan motor	BKF(R)-50/220 Explosion-proof outdoor fan motor	T1, AC220V/50Hz	802013
		T2, AC220V/50Hz	802014
		T3, AC220V/50Hz	802015
	BKF(R)-71/220 Explosion-proof outdoor fan motor	T1, AC220V/50Hz	802016
		T2, AC220V/50Hz	802017
		T3, AC220V/50Hz	802018

