Air Conditioners and Engineering Cabins

- Remote controller provides 3V intrinsic safety power through circuit boards within explosion-proof control box; without need for battery and it is fixed directly on ex-control box, which facilitate operation.
- 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.

General Introduction of Explosion-proof Tank Air Conditioners

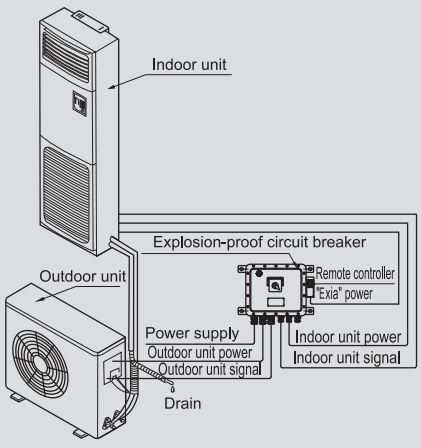
- For explosion-proof tank air conditioner, both single cooling and combined heating and cooling products in T1, T2,and T3 are available, to meet different requirements of low, medium and high temperature zones world wide.
- Explosion-proof tank air conditioner is developed on base of normal product 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 re-design to explosion-proof structure which enables seperate explosion-proof control box. Remote controller and sensor system are coped with intrinsic safety. The outline dimensions and installation are the same as the original ones after explosion-proof treatment.

Technical data

Explosion-proof tank air conditioners **BKGR-□/□**

Explosion prot ection	Ⓔx II 2(3) G Ex d [ib] ibmnAe IIB T4; Ⓔx II 2(3) G Ex d [ib] ibnC IIB T4
	Ⓔx II 2(3) G Ex de [ib] ibnC IIB T4
	Ⓔx II 2(3) G Ex d [ib] ibmnAe IIC T4; Ⓔx II 2(3) G Ex d [ib] ibnC IIC T4
Certificates	PCEC (China)
Other certificates	LCIE 11 ATEX_____
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, IEC60079-7:2001, IEC 60079-11:2006
	IEC 60079-15:2005, IEC 60079-18:2004

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



Technical data

Type		BKGR-50/220	BKGR-70/220	BKGR-70/380	BKGR-120/380	BKGR-280/380
Cooling capacity	W	5100	7300	7300	12200	28000
	BTU	18000	24000	24000	40000	96000
Heating capacity (W)		5620	7800	8300	14500	28000
Rated voltage/Frequency (V/Hz)		220/50	220/50	380/220/50	380/220/50	380/220/50
Input power (P)		2P	3P	3P	5P	10P
Cooling input power/current (W/A)		1600/7.7	2780/12.1	2780/4.5	4380/7.8	9100/15.5
Heating input power/current (W/A)		1640/7.6	2600/11.3	2600/4.2	5000/8.9	8100/14.4
Application areas (m^2)		23～29	27～32	27～34	50～80	80～120
Sound level (dB)	Indoor unit	43	43	43	52	63
	Outdoor unit	52	53	53	56	63
Outline dimensions (L x W x H) (mm)	Indoor unit	1700 x 470 x 270	1900 x 600 x 280	1900 x 600 x 280	1900 x 600 x 280	1863 x 1200 x 400
	Outdoor unit	860 x 655 x 330	870 x 850 x 319	870 x 850 x 319	1258 x 970 x 369	1750 x 750 x 964
	Control box	380 x 250 x 165	380 x 250 x 165	380 x 250 x 165	380 x 250 x 165	380 x 250 x 165
Weight (kg)	Indoor unit	53	48	48	48	54
	Outdoor unit	75	75	75	119	190
	Control box	6	6	6	7	7

Note: Technical data above for products of T1 rating. Please refer to user's guide for technical data of T2 rating or T3 rating products.

Accessories

Image	Name	Application	Ordering code
 Explosion-proof indoor fan motor	BKGR-50/220 Explosion-proof indoor fan motor	T1, AC220V/50Hz	803001
		T2, AC220V/50Hz	803002
		T3, AC220V/50Hz	803003
	BKGR-70/220 Explosion-proof indoor fan motor	T1, AC220V/50Hz	803004
		T2, AC220V/50Hz	803005
		T3, AC220V/50Hz	803006
	BKGR-70/380 Explosion-proof indoor fan motor	T1, AC220V/50Hz	803007
		T2, AC220V/50Hz	803008
		T3, AC220V/50Hz	803009
	BKGR-120/380 Explosion-proof indoor fan motor	T1, AC220V/50Hz	803010
		T2, AC220V/50Hz	803011
		T3, AC220V/50Hz	803012
	BKGR-280/380 Explosion-proof indoor fan motor	T1, AC220V/50Hz	803013
		T2, AC220V/50Hz	803014
		T3, AC220V/50Hz	803015

Accessories

Image	Name	Application	Ordering code
 Explosion-proof compressor	BKGR-50/220 Explosion-proof compressor	T1, AC220V/50Hz	803016
		T2, AC220V/50Hz	803017
		T3, AC220V/50Hz	803018
	BKGR-70/220 Explosion-proof compressor	T1, AC220V/50Hz	803019
		T2, AC220V/50Hz	803020
		T3, AC220V/50Hz	803021
	BKGR-70/380 Explosion-proof compressor	T1, AC380V/50Hz	803022
		T2, AC380V/50Hz	803023
		T3, AC380V/50Hz	803024
	BKGR-120/380 Explosion-proof compressor	T1, AC380V/50Hz	803025
		T2, AC380V/50Hz	803026
		T3, AC380V/50Hz	803027
	BKGR-280/380 Explosion-proof compressor	T1, AC380V/50Hz	803028
		T2, AC380V/50Hz	803029
		T3, AC380V/50Hz	803030
 Explosion-proof outdoor fan motor	BKGR-50/220 Explosion-proof outdoor fan motor	T1, AC220V/50Hz	803031
		T2, AC220V/50Hz	803032
		T3, AC220V/50Hz	803033
	BKGR-70/220 Explosion-proof outdoor fan motor	T1, AC220V/50Hz	803034
		T2, AC220V/50Hz	803035
		T3, AC220V/50Hz	803036
	BKGR-70/380 Explosion-proof outdoor fan motor	T1, AC380V/50Hz	803037
		T2, AC380V/50Hz	803038
		T3, AC380V/50Hz	803039
	BKGR-120/380 Explosion-proof outdoor fan motor	T1, AC380V/50Hz	803040
		T2, AC380V/50Hz	803041
		T3, AC380V/50Hz	803042
	BKGR-280/380 Explosion-proof outdoor fan motor	T1, AC380V/50Hz	803043
		T2, AC380V/50Hz	803044
		T3, AC380V/50Hz	803045