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More products are under development. Please contact us or visit our website for the latest development. We reserve the right to make alteration to the technical data, weight, dimensions, designs and products available without notice.

General Introduction

■ Air Conditioners

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ Mounting: window type, split wall type, and split tank type.
- ◆ Ambient temperature groups of T1,T2,T3 are available to meet different climates all over the world. Ambient temperature T1 ranges from -7℃~43℃, Ambient temperature T2 ranges from -7℃~35℃, Ambient temperature T3 ranges from -7℃~52℃, The explosion-proof treatment of products of T1,T2,T3 groups is based renowned brand. User should choose the proper product according to the local ambient temperature.
- ◆ It can be widely used in explosive gas atmosphere of II A, II B, II C with temperature groups of T1, T2, T3, such as petroleum, chemical, mine, oil storage, pharmacy, gas station, liquefied gas station, military facilities, etc..
- ◆ Product of T1 group is suitable in area with medium temperature while low temperature for T2 product and high for T3 respectively. The T3 group is most suitable for Middle East users.
- ◆ For explosion-proof window air conditioner, the corresponding product is the single cooling air conditioner in T1, T3 group. For split tank and split wall types, both single cooling and combined heating and cooling products in T1, T2, and T3 are available.
- ◆ 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.
- ◆ The Technical Parameters of all kinds of air conditioners are that of T1 temperature class.
- ◆ Cooling capacity

Generally, cooling capacity of 1P (horse power) equals to 2000Kcal. According to international standard, cooling capacity of 1P=2000Kcal x 1.162=2324(W). W represents cooling capacity. Cooling capacity of 1.5P=2000Kcal x 1.5 x 1.162=3486(W). Therefore, it is easy to determine horse power of the air conditioner and the cooling capacity. Normally, 1P product is defined in the range of 2200(W)~2600(W); 3200(W)~3600(W) for 1.5P; 4500 (W)~5100(W) for 2P. For British unit, it should be calculated as follows: A(BTU) x 1.06 · 1.36 = B (W). For instance, 18000 (BTU) x 1.06 · 1.36 = 5300 (W), that is, 2P air conditioner. In room of 3 meters high and with out large heating unit, air conditioner of 1P, 1.5P, 2P, 3P, or 5P is suitably used in areas of 12~18, 20~25, 24~36, 30~40, 40~60(m²). Increase the cooling capacity accordingly if height of room exceeds 3 meters or there is frequent personnel in and out.

■ Pressurized products

Distribution Cabinets

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ Explosion-proof types IIB, IIC.
- ◆ Available in types G(Cabinet type), X(Box type), Q(Piano type), T(Special requirement).
- ◆ The explosion-proof performance is achieved by isolating the ignition source by medium, that is, to put all the electrical components in an enclosure filled with pressurized and clean medium, which makes the combustible mixed gas unable to get in touch with the spark or dangerous temperature produced by the components during normal working.
- ◆ The product consists of main panel and bracket panel. The main panel is of pressurized cavity, with electrical components that

Air Conditioners, Distribution Cabinets and Engineering Cabins

users need and pressure check sensor system, ventilation air distribution system, and air conditioning system, etc; the bracket panel is installed with explosion-proof ventilation auto-control system, explosion-proof power auto-cut system, explosion-proof alarm system, explosion-proof pressure display system, and air in/out connector; the bracket panel with auto-air supply is equipped with explosion-proof air supply device.

- ◆ Px series pressurized cabinet is set with ventilation inter-lock mechanism; the bracket panel can be energized and start to detect the air pressure of main cavity only after ventilation of main panel cavity, reach stipulated time and ventilation value, and there is no combustible gas in the main panel; make sure the electrical components have been isolated effectively by medium before operation;
- ◆ When user supplies air, clean or inert gas must be provided. Generally, the on-site instrument air can meet requirement. Air pressure is 0.2-0.8MPa or 0.2-0.5MPa (subject to volume size of main cavity).
- ◆ The applicable power system is the AC three-phase four-wire 380/220 system and all the light current system; high voltage system is not applicable.
- ◆ Pz series pressurized cabinet is a pressurized explosion-proof cabinet designed for Zone 2; compared with Px series, Pz series leave out the safety device that checks ventilation time, and only marks the ventilation time; it is operated according to requirement before energizing of main cavity by user; when air pressure is lower than 100Pa, the auto-control system automatically alarms (audio and visual); opens air inflow and automatically adjusts inner air; when air inflow successes, it recovers to normal; if not, the air pressure decreases to 60Pa; the system does not automatically de-energize, but continues to alarm.
- ◆ When ordering users should provide electric system drawing, control schematic diagram, brand of inner components, layout drawing of panel components, cable side of inlet/out, and quantity, etc.

Engineering Cabins

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
- ◆ Enclosure in carbon steel or stainless steel.
- ◆ Two types of enclosure.
- ◆ Can be customized on request.
- ◆ The pressurized engineering cabin is integral of the combination, completion, and installation of industrial online instruments, and is firstly widely used in oil field, oil refining, and chemical enterprise;
- ◆ The engineering cabinet is of steel construction; the inner and outer walls are both steel plate, with thermal insulating layer in the middle;
- ◆ The product is mainly applicable for on-site centralized control, dispatch, craft analysis and instrument monitoring;
- ◆ The system consists of main structure of room, pressurized control system, pressurized ventilation system, pressure monitoring system, detection system of combustible gas, detection system of toxic gas, high temperature alarm system, smog alarm system, audio and visual alarm system, lighting system, air conditioner system, general power system and electrical system.

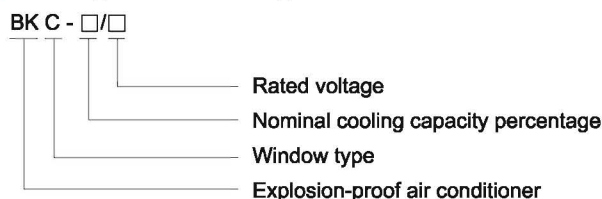


Air Conditioners

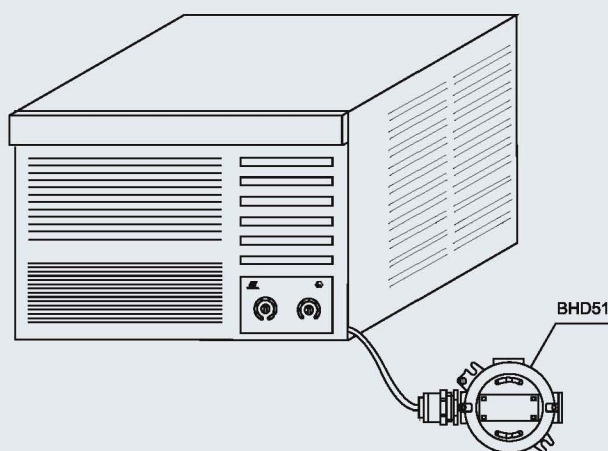
BKC Series Explosion-proof Window Air Conditioners

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 2
- ◆ For explosion-proof window air conditioner, the corresponding product is the single cooling air conditioner in T1 and 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 based on renowend 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 the same as the original ones.
- ◆ 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.

■ Catalogue number logic



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



Zone 2

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Technical data	
Explosion-proof window air conditioners BKC-□/□	
Explosion protection	⚠ II 3 G Ex d nC IIB T4 Gc
Certificates	LCIE 11 ATEX 1002X; IECEx CQM 11.0021X
Conformity to standards	EN 60079-0:2009, EN 60079-1:2007, EN 60079-15:2005 IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-15:2010

Technical data			
Type		BKC-50/220	BKC-70/220
Cooling capacity	W	5400	7000
	BTU	18000	24000
Rated voltage/Frequency (V/Hz)		220/50	220/50
Input power (P)		2P	3P
Cooling input power (W)		2750	3770
Rated current (A)		12.8	17.4
Application areas (m ²)		22~32	30~40
Sound level (dB)	Indoor unit	53	57
	Outdoor unit	60	63
Outline dimensions (L x W x H) (mm)		730×680× 450	730×680×450
Weight (kg)		50	55
Note: Technical data above for products of T1 rating.			



■ Catalogue number logic

BK F R-□/□

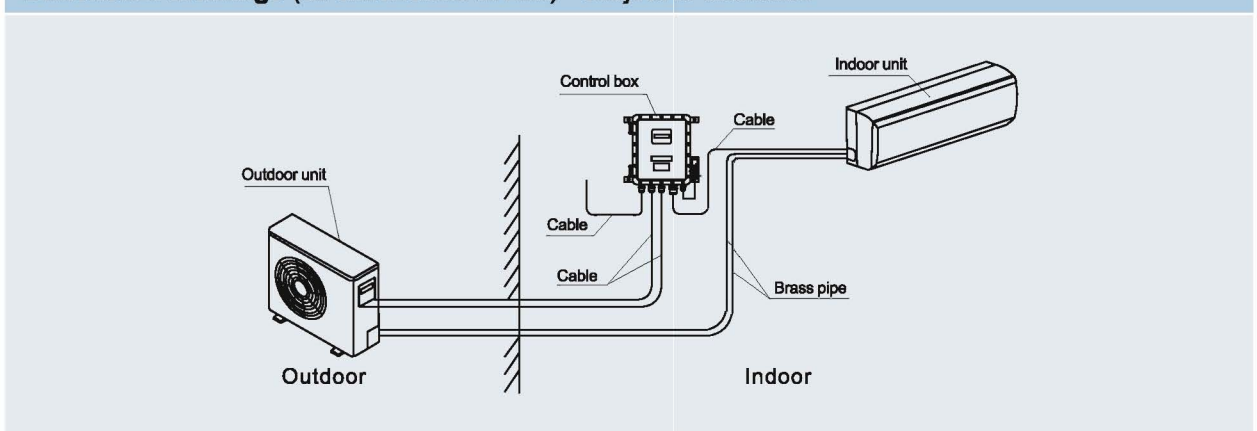
- Rated voltage
- Nominal cooling capacity percentage
- Heating and cooling type (cooling type without R)
- Wall type
- Explosion-proof air conditioner

Air Conditioners






BKF(R) Series Explosion-proof Wall Air Conditioners (IIB)

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
- ◆ 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 based on renowned brand, 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.

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



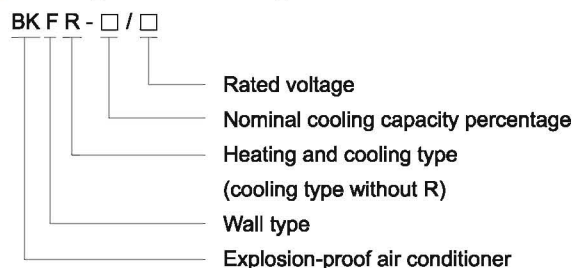
Zones 1&2

Technical data			
Explosion-proof wall air conditioners BKF(R)-□/□			
Explosion protection	Outdoor unit	Whole unit	Ex de ib [ib Gb] nC IIB T4 Gc
	BYS Compressor  II 3 G Ex nC II 146°C(T3) BZC Control station  II 3 G Ex d IIB BDJ-W Fan motor  II 3 G Ex d IIB Indoor unit BDJ-N Fan motor  II 2 G Ex d IIB T4 B XK Control station  II 2 G Ex d [ib] ib IIB T4	Ex nCd[ib] ib IIB 146°C Outdoor unit Ex dnC IIB 146°C Indoor unit 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		

Technical data					
Type		BKF-50/220	BKFR-50/220	BKF-71/220	BKFR-71/220
Cooling capacity	W	5550	5550	7400	7400
	BTU	18000	18000	24000	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	22~37	29~38	27~34
Sound level (dB)	Indoor unit	43	43	44	44
	Outdoor unit	49	51	53	54
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	1100 x 358 x 294
	Outdoor unit	860 x 655 x 330	860 x 655 x 330	860 x 655 x 330	860 x 655 x 330
	Control box	420 x 350 x 178	420 x 350 x 178	420 x 350 x 178	420 x 350 x 178
Weight (kg)	Indoor unit	16	16	16	16
	Outdoor unit	54	58	78	78
	Control box	21.2	21.2	21.2	21.2
Note: 1. Technical data above for products of T1 rating. 2. The cooling and heating type obtained only PCEC certificate.					



Catalogue number logic

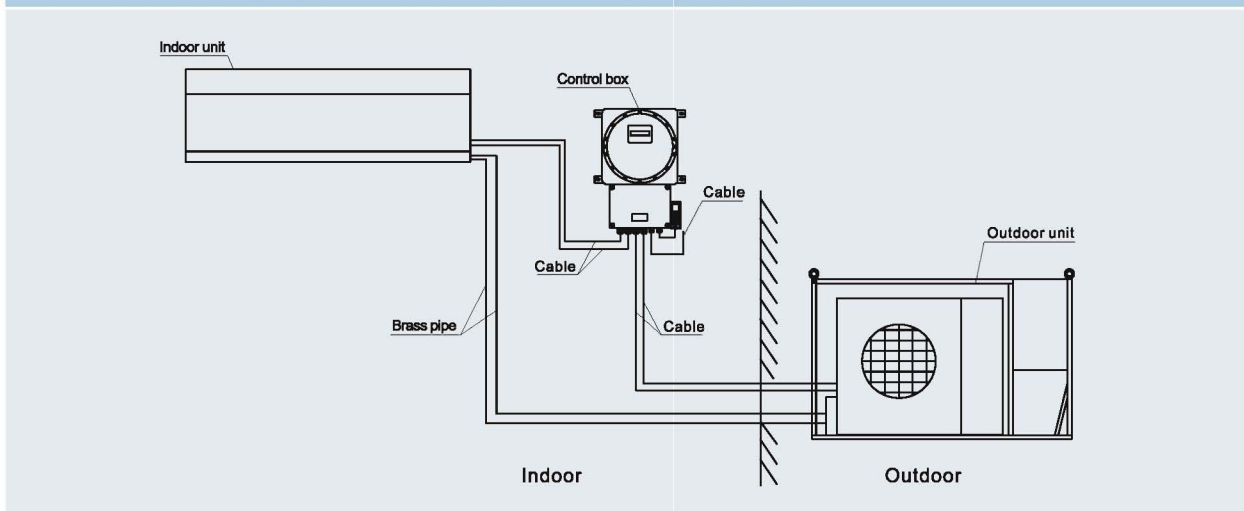


Air Conditioners

BKF(R) Series Explosion-proof Wall Air Conditioners (IIC, Zone 1)

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ 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 based on renowned brand, by taking explosion-proof measures to indoor and outdoor units. Measures to outdoor unit: by taking special techniques 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 techniques 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.
- ◆ Outdoor unit and Indoor unit used in zone 1.

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









Zones 1&2; 21&22

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Technical data

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

Explosion protection	
Gas explosion protection	Whole unit:  II 2 G Ex de ib px IIC T4 Gb Outdoor unit:  II 2 G Ex d ib px IIC T4 Gb Indoor unit:  II 2 G Ex de ib IIC T4 Gb
Dust explosion protection	Whole unit:  II 2 D Ex tb pD IIIC T130°C Db IP66 Outdoor unit:  II 2 D Ex tb pD IIIC T130°C Db IP66 Indoor unit:  II 2 D Ex tb IIIC T130°C Db IP66
Certificates	LCIE 13 ATEX____; IECEx
Conformity to standards	EN 60079-0:2009, EN 60079-1:2007, EN 60079-2:2007, EN 60079-7:2007, EN 60079-11:2007 EN 60079-31:2009, EN 61241-4:2006 IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-2:2007, IEC 60079-7:2006, IEC 60079-11:2006 IEC 60079-31:2008, IEC 61241-4:2001

Technical data

Type		BKF-50/220	BKFR-50/220	BKF-71/220	BKFR-71/220
Cooling capacity	W	5000	5000	7260	7260
	BTU	18000	18000	24000	24000
Heating capacity (W)		-	5700	-	8100
Rated voltage/Frequency (V/Hz)		220~240/50~60	220~240/50~60	220~240/50~60	220~240/50~60
Input power (P)		2P	2P	3P	3P
Cooling input power/Current (W/A)		2060/9.6	1432/6.5	2200/10	2200/10
Heating input power/Current (W/A)		-	2060/9.8	-	2600/11.8
Application areas (m ²)		24~36	22~37	29~38	27~34
Sound level (dB)	Indoor unit	45	45	48	48
	Outdoor unit	53	53	56	56
Outline dimensions (L x W x H) (mm)	Indoor unit	940 x 360 x 233	940 x 360 x 233	1178 x 326 x 253	1178 x 326 x 253
	Outdoor unit	955 x 700 x 396	955 x 700 x 396	980 x 790 x 427	980 x 790 x 427
	Control box	690 x 430 x 211	690 x 430 x 211	690 x 430 x 211	690 x 430 x 211
Weight (kg)	Indoor unit	19	19	24	24
	Outdoor unit	62	62	74	74
	Control box	30	30	30	30

Note: Technical data above for products of T1 rating.



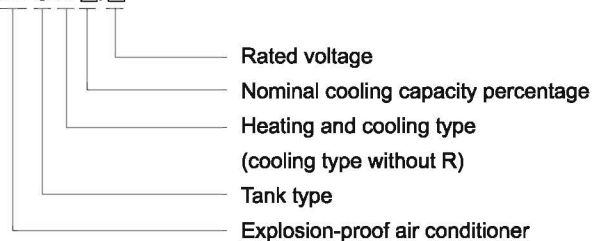
Air Conditioners

BKG(R) Series Explosion-proof Tank Air Conditioners

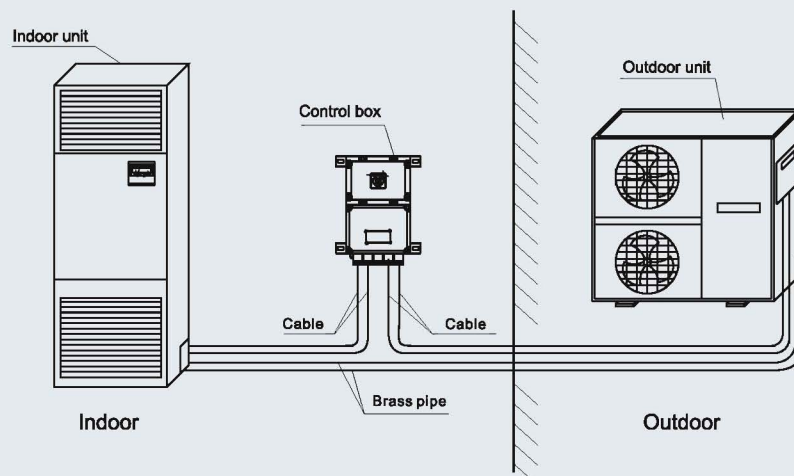
- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in Zone 1 and Zone 2
- ◆ For explosion-proof tank air conditioner, both single cooling and combined heating and cooling products in T1, T2, and T3 are available, to meet different requirements of low, medium and high temperature zones world wide.
- ◆ Explosion-proof tank air conditioner is based on renowned brand, by taking explosion-proof measures to indoor and outdoor units. Measures to outdoor unit: by taking special techniques 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 techniques and control, dismantle internal electric control units and re-design to explosion-proof structure which enables separate 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.
- ◆ 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, AC380V/50Hz, AC380V/60Hz, etc. please specify when ordering.

Catalogue number logic

BK G R-□/□




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



Zones 1&2

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Technical data	
Explosion-proof tank air conditioners BKG(R)-□/□	
Explosion protection	 II 3(2) G Ex de ib [ib Gb] nC IIB T4 Gc  II 3(2) G Ex de ib [ib Gb] nC IIC T4 Gc
Certificates	PCEC (China); LCIE 13 ATEX_____ ; IECEx
Conformity to standards	EN 60079-0:2009, EN 60079-1:2007, EN 60079-7:2007, EN 60079-11:2007 EN 60079-15:2010 IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-11:2006 IEC 60079-15:2010

Technical data					
Type		BKG-70/220	BKGR-70/220	BKG-120/380	BKGR-120/380
Cooling capacity	W	7300	7300	12200	12200
	BTU	24000	24000	40000	40000
Heating capacity (W)		-	7800	-	14500
Rated voltage/Frequency (V/Hz)		220/50	220/50	380/50	380/50
Input power (P)		3P	3P	5P	5P
Cooling input power/current (W/A)		2780/12.1	2780/12.1	4380/7.8	4380/7.8
Heating input power/current (W/A)		-	2600/11.3	-	5000/8.9
Application areas (m ²)		27~32	27~32	50~80	50~80
Sound level (dB)	Indoor unit	43	43	52	52
	Outdoor unit	53	53	56	56
Outline dimensions (L x W x H) (mm)	Indoor unit	1900 x 600 x 280	1900 x 600 x 280	1900 x 600 x 280	1900 x 600 x 280
	Outdoor unit	870 x 850 x 319	870 x 850 x 319	1258 x 970 x 369	1258 x 970 x 369
	Control box	380 x 250 x 165	380 x 250 x 165	380 x 250 x 165	380 x 250 x 165
Weight (kg)	Indoor unit	48	48	48	48
	Outdoor unit	75	75	119	119
	Control box	6	6	7	7
Note: Technical data above for products of T1 rating.					



Ex pz IIC

■ Catalogue number logic

PXK - □ / □ □

Protection type: Px & Pz

Cabinet type I: K1, K2, K3.....K11

Cabinet type II: G1, G2, G3

Box type: X1, X2, X3

Piano type: Q

Special requirement: T

T: ventilated type; B: compensated type

Explosion-proof pressurized distribution cabinets

PXK Series Explosion-proof Pressurized Distribution Cabinets

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ Explosion-proof types IIB, IIC.
- ◆ Available in types G, X, Q, T.
- ◆ The product consists of main panel and bracket panel. The main panel is of pressurized cavity, with electrical components that users need and pressure check sensor system, ventilation air distribution system, and air conditioning system, etc; the bracket panel is installed with explosion-proof ventilation auto-control system, explosion-proof power auto-cut system, explosion-proof alarm system, explosion-proof pressure display system, and air in/out connector; the bracket panel with auto-air supply is equipped with explosion-proof air supply device.
- ◆ Cabinet type product adopts GGD frame; the main panel and bracket panel are of left and right structure; cable channel is of horizontal installation type; bottom inlet, front operation and back overhauling.
- ◆ Box type product adopts high quality steel plate welding structure; the main panel and bracket panel are of up and down structure; wall type installation; bottom inlet, front operation and back overhauling.
- ◆ The back doors of cabinet type and piano type are of rapid opening device, convenient for user to install and overhaul.



Ex px IIB



Ex px IIC

Zones 1&2; 21&22

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Technical data

Explosion-proof Pressurized Distribution Cabinets (Ex pz IIC)

PXK-□/□□

Explosion protection

Gas explosion protection

Ex II 3 G Ex pz IIC T4 Gc

Dust explosion protection

Ex II 3 D Ex pD IIC T130°C Dc IP66

Certificates

PCEC (China); DNV 13 ATEX____; IECEX

Conformity to standards

EN 60079-0:2009, EN 60079-2:2007, EN 61241-4:2006

IEC 60079-0:2011, IEC 60079-2:2007, IEC 61241-4:2001

Positive pressure value

200Pa~800Pa(0.002bar~0.008bar)

Air source

0.2MPa~0.8MPa (2bar~8bar)

Rated voltage

Max.690V AC

Rated current

Max.630A

Enclosure material

Stainless steel or powder coated carbon steel

Degree of protection

IP66

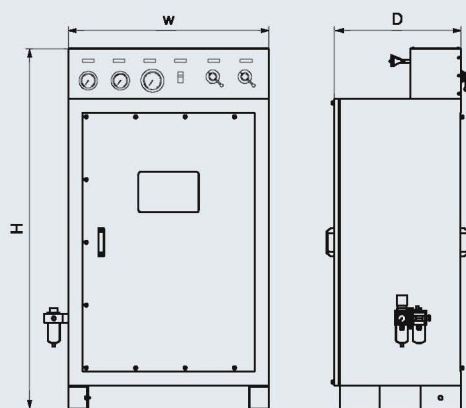
Ambient temperature

-40°C~+55°C

Relevant dimension of cabinet type product

Type	Outline W×H×D (mm)	Main panel W×H×D (mm)	Bracket panel W×H×D (mm)	Effective dimension of main cavity operation panel (mm) W×H	Installation (mm)	Enclosure weight (kg)
K1	680 x 1490 x 410	680 x 1000 x 300	680 x 370 x 250	760 x 440	600 x 180	30
K2	1000 x 1370 x 410	1000 x 1000 x 300	1000 x 250 x 250	760 x 760	920 x 180	45
K3	1000 x 1370 x 510	1000 x 1000 x 400	1000 x 250 x 250	760 x 760	920 x 280	55
K4	1000 x 1370 x 710	1000 x 1000 x 600	1000 x 250 x 250	760 x 760	920 x 480	65
K5	1000 x 1650 x 710	1000 x 1280 x 600	1000 x 250 x 250	760 x 1040	920 x 480	80
K6	1000 x 1800 x 710	1000 x 1430 x 600	1000 x 250 x 250	760 x 1190	920 x 480	90
K7	1000 x 1800 x 960	1000 x 1430 x 850	1000 x 250 x 250	760 x 1190	920 x 730	105
K8	1000 x 1800 x 1110	1000 x 1430 x 1000	1000 x 250 x 250	760 x 1190	920 x 880	110
K9	1000 x 1800 x 1225	1000 x 1430 x 1115	1000 x 250 x 250	760 x 1190	920 x 995	116
K10	1000 x 1800 x 1370	1000 x 1430 x 1260	1000 x 250 x 250	760 x 1190	920 x 1140	122
K11	1000 x 1800 x 1560	1000 x 1430 x 1450	1000 x 250 x 250	760 x 1190	920 x 1330	128

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



Pz series pressurized cabinets

- It is a pressurized explosion-proof cabinet designed for Zone 2; compared with Px series, Pz series leave out the safety device that checks ventilation time, and only marks the ventilation time; it is operated according to requirement before energizing of main cavity by user; when air pressure is lower than 100Pa, the auto-control system automatically alarms (audio and visual); opens air inflow and automatically adjusts inner air; when air inflow successes, it recovers to normal; if not, the air pressure decreases to 60Pa; the system does not automatically de-energize, but continues to alarm.

Ordering information

- Please specify the product type when ordering according to Catalogue Number Logic;
- Users should provide electric system drawing, control schematic diagram, brand of inner components, layout drawing of panel components, cable side of inlet/out, and quantity, etc.

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Technical data

Explosion-proof Pressurized Distribution Cabinets (Ex px IIB)

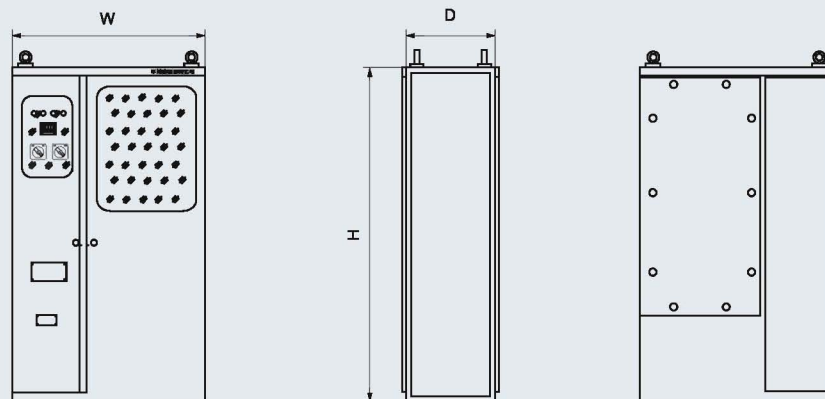
PXK-□/□□

Explosion protection	Ex II 2 G Ex px de [ia] ia IIB T4
Certificates	PCEC (China); DNV 13 ATEX____; IECEx
Conformity to standards	EN 60079-0:2009, EN 60079-2:2007 IEC 60079-0:2011, IEC 60079-2:2007
Positive pressure value	200Pa~800Pa(0.002bar~0.008bar)
Air pressure	0.2MPa~0.8MPa (2bar~8bar)
Rated voltage	Max.690V AC
Rated current	Max.630A
Enclosure material	Powder coated carbon steel or stainless steel
Ambient temperature	-40°C~+55°C

Relevant dimension of cabinet type product

Type	Outline W×H×D (mm)	Main panel W×H×D (mm)	Bracket panel W×H×D (mm)	Effective dimension of main cavity operation panel (mm) W×H	Installation (mm)	Enclosure weight (kg)
G1	1200 x 1800 x 600	800 x 1800 x 600	400 x 1800 x 600	600 x 1500	1000 x 550	80
G2	1400 x 2100 x 600	1000 x 2100 x 600	400 x 2100 x 600	800 x 1800	1200 x 550	100
G3	1400 x 2100 x 800	1000 x 2100 x 800	400 x 2100 x 800	800 x 1800	1200 x 750	120

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



Description of cabinet type product

- ◆ The pressurized cavity of cabinet type product has a large volume and large number of components; it is suitable for the start, control, especially the frequency control of motor speed and soft start, etc of large apparatus (large power); it is also used for centralized control, craft control, instrument analysis, and signal centralized processing system;
- ◆ Users can select proper size (G1, G2, G3) according to the quantity of inner components, and can design the layout drawing of panel and components according to the following "Effective dimension of operation panel of the main cavity", as reference for us;
- ◆ Special design is on request.

Ordering information

- ◆ Please specify the product type when ordering according to Catalogue Number Logic;
- ◆ Users should provide electric system drawing, control schematic diagram, brand of inner components, layout drawing of panel components, cable side of inlet/out, and quantity, etc.

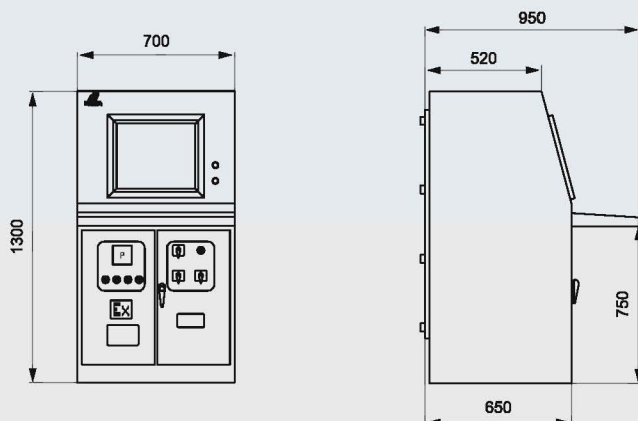
Technical data

Explosion-proof Pressurized Distribution Cabinets (Ex px IIC)

PXK-□/□□

Explosion protection	Ex II 2 G Ex de px IIC T4 Gb
Certificates	PCEC (China); DNV 13 ATEX____; IECEx
Conformity to standards	EN 60079-0:2009, EN 60079-2:2007 IEC 60079-0:2011, IEC 60079-2:2007
Positive pressure value	200Pa~800Pa(0.002bar~0.008bar)
Air pressure	0.2MPa~0.8MPa (2bar~8bar)
Rated voltage	Max.690V AC
Rated current	Max.630A
Enclosure material	Powder coated carbon steel or stainless steel
Ambient temperature	-40°C~+55°C

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



Description of piano type product

- ◆ The components of pressurized cavity of piano type product are mainly used for on-site control components, analysis instrument, centralized control and signal contact; and used for on-site continuous operation and monitoring;
- ◆ Computer can be installed on request;
- ◆ Special design is on request.

Ordering information

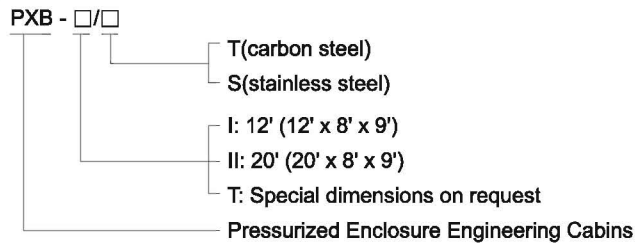
- ◆ Please specify the product type when ordering according to Catalogue Number Logic;
- ◆ Users should provide electric system drawing, control schematic diagram, brand of inner components, layout drawing of panel components, cable side of inlet/out, and quantity, etc.



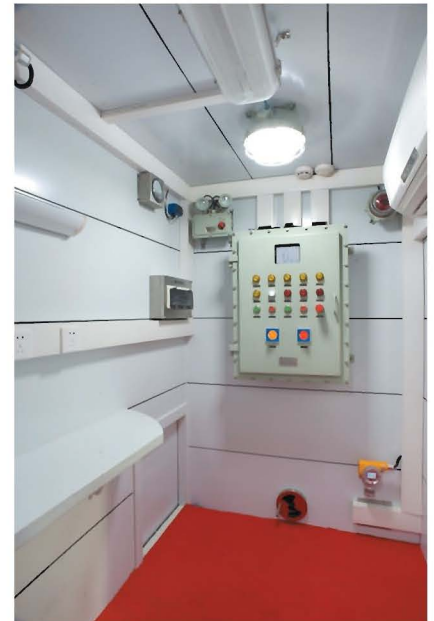
PXB Series Explosion-proof Engineering Cabins

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
- ◆ Enclosure in carbon steel or stainless steel

Catalogue number logic



- ◆ This product is welded by steel
- ◆ A60 Zone I Rated
- ◆ DNV 2.7-1, 2.7-2 Rated Structure
- ◆ Protected with Fire Detection
- ◆ Gas Detection System
- ◆ Fitted with Dedicated Air Conditioning System
- ◆ With continuous clean gas filled; keep the internal air fresh and safe.
- ◆ Automatic Fire Dampers (fail safe)
- ◆ Equipped with Fire Extinguishers
- ◆ Two airtight doors, equipped with viewing window and emergency exit
- ◆ Special requirement on request



Zones 1&2

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Product introduction

- ◆ The explosion-proof control box is the standard control box or PLC programmed control box.
- ◆ Combustible gas detector and toxic gas detector are modular designed.
- ◆ The thermal detector, smoke detector, and pressure transmitter are intrinsic safety explosion-proof components.
- ◆ The power of centrifugal fan is subject to room size.
- ◆ The type of explosion-proof air conditioner is subject to room size.
- ◆ With audio and visual alarm interlock system.
- ◆ Illumination system is the explosion-proof fluorescent lamp.
- ◆ The explosion-proof emergency lamp is LED lamp.

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

