

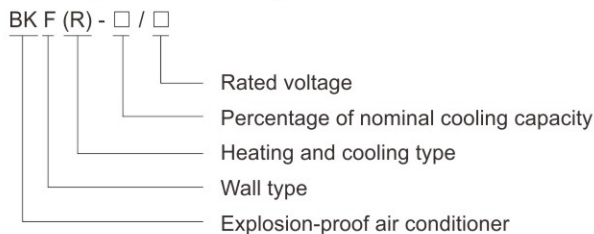
## Air Conditioners

### BKF(R) Series Explosion-proof Wall Air Conditioners (IIC)

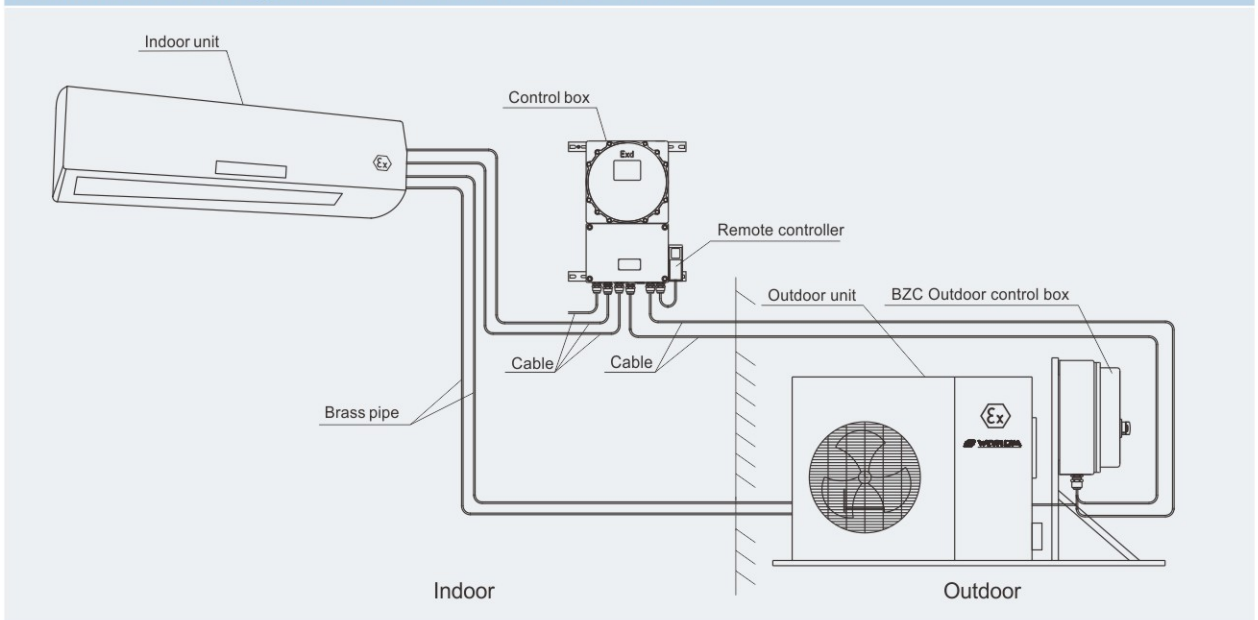


- ◆ Explosion protection to
  - CENELEC
  - IEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
- ◆ For explosion-proof wall air conditioner, both cooling-only and cooling & heating products in T1, T2, and T3 are available, to meet different requirements of low, medium and high temperature zones in the world.
- ◆ 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 applied with intrinsic safety. The outline dimensions and installation are the same as the prototype after explosion-proof treatment. Indoor unit: by taking special technics and control, dismantle internal electric control units and redesign explosion-proof structure which enables explosion-proof control box separated. Remote controller and sensor system are applied with intrinsic safety. The outline dimensions and installation are the same as the prototype after explosion-proof treatment.

#### ■ Catalogue number logic



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



## Zones 1&2; 21&22

## Air Conditioners

## BKF(R) Series Explosion-proof Wall Air Conditioners (IIC)

| Technical data  |  |
|---|--|
| <b>Explosion-proof wall air conditioners BKF(R)-□/□</b> |  |
| <b>Explosion protection</b>                             |  |
| Global (IECEX)  | IECEX CQM 14.0001X   |
| Gas and dust  | Ex d e ib mb px IIC T4 Gb<br>Ex ibD tb pD IIIC T130°C Db IP66  |
| Europe (ATEX)   | EUT 14 ATEX 1235   |
| Gas and dust  | Ⓔ II 2 G Ex d e ib mb px IIC T4 Gb<br>Ⓔ II 2 D Ex ib tb pD IIIC T130°C Db IP66   |
| <b>Certificates</b>                                     | IECEX; ATEX; CU-TR   |
| <b>Conformity to standards</b>                          | EN 60079-0, EN 60079-1, EN 60079-2, EN 60079-7, EN 60079-11, EN 60079-18<br>EN 60079-31, EN 61241-4, EN 13463-1<br>IEC 60079-0, IEC 60079-1, IEC 60079-2, IEC 60079-7, IEC 60079-11, IEC 60079-18<br>IEC 60079-31, IEC 61241-4, IEC 61241-11 |

| Technical data                      |              |                   |                   |
|-------------------------------------|--------------|-------------------|-------------------|
| Type                                |              | BKF(R)-50/220     | BKF(R)-71/220     |
| Cooling capacity                    | W            | 5275              | 7032              |
|                                     | BTU          | 18000*            | 24000*            |
| Heating capacity (W)                |              | 5600              | 6600              |
| Rated voltage/Frequency (V/Hz)      |              | 220~240/50        | 220~240/50        |
|                                     |              | 220~240/60        | 220~240/60        |
| Input power (P)                     |              | 2P                | 3P                |
| Cooling input power/Current (W/A)   |              | 1432/6.5          | 2200/10           |
| Heating input power/Current (W/A)   |              | 1690/7.68         | 2600/11.8         |
| Application areas (m <sup>2</sup> ) |              | 22~37             | 27~44             |
| Sound level (dB)                    | Indoor unit  | 43*               | 44*               |
|                                     | Outdoor unit | 54*               | 54*               |
| Outline dimensions (L x W x H) (mm) | Indoor unit  | 960 x 385 x 245*  | 1070 x 400 x 275* |
|                                     | Outdoor unit | 1450 x 900 x 700* | 1450 x 900 x 700* |
|                                     | Control box  | 690 x 430 x 211   | 690 x 430 x 211   |
| Weight (kg)                         | Indoor unit  | 21.00*            | 25.00*            |
|                                     | Outdoor unit | 146.00*           | 148.00*           |
|                                     | Control box  | 30.00             | 30.00             |

**Note:** 1. The above technical data is for normally supplied products of T3 (-7°C~+52°C) temperature class, voltage is 220~240V AC/50Hz, other voltages are available, such as 220~240V AC/60Hz, please specify when ordering.  
2. The above data is only for reference, the actual product shall prevail.  
3. Data with "\*" are for reference, the specific kind prevail.

