

Explosion-proof dehumidifier



Product Overview:

Explosion-proof air-conditioning and dehumidification products must comply with relevant national explosion-proof certificates. The implementation standards for explosion-proof products announced by the state include:

- GB3836.1-2010 <Explosive Atmospheres - Part 1: General Requirements for Equipment>
- GB3836.2-2010 <Explosive Atmospheres - Part 2: Equipment Protected by Flameproof Enclosures "D">
- GB3836.4-2010 <Explosive Atmospheres - Part 4: Equipment Protected by Intrinsic Safety "I">
- GB3836.9-2014 <Explosive Atmospheres - Part 9: Equipment Protected by Encapsulation "M">

Applicable Scenarios: Flammable and explosive storage warehouses, solid chemical warehouses, power distribution rooms in large factory areas, information computer rooms, dangerous goods warehouses, paint mixing rooms, ammunition depots, etc.

Type	BCF-70E	BCF-90E	BCF-138E	BCF-158E
Daily dehum capacity	70L/D	90L/D	138L/D	158L/D
Dehum per hour	2.9KG/H	3.75KG/H	5.75KG/H	6.58KG/H
Applicable area	80-120m²	150-200m²	180-220m²	200-260m²
Applicable vol	240-360m³	500-600m³	540-750m³	600-840m³
Power	220V-50Hz	220V-50Hz	220V-50Hz	220V-50Hz
Max power	960W	1600W	2100W	2600W
Explosion-proof grade	Ex db ib mb IIB T4 Gb			
Controllable humidity range	RH30-70%	RH30-70%	RH30-70%	RH30-70%
Adjustable humidity range	RH10-90%	RH10-90%	RH10-90%	RH10-90%
Humidity control accuracy	±3%			
Applicable temperature	5-38℃	5-38℃	5-38℃	5-38℃
Refrigerant	R22	R22	R22	R22
R485 remote interface	Customizable	Customizable	Customizable	Customizable
Drainage method	Direct/16mm	Direct/16mm	Direct/16mm	Direct/16mm
Size(L*W*H)	500*400*1025mm	480*408*850mm	480*408*850mm	480*408*850mm
Weight	44kg	58kg	60kg	63kg

Type	BCF-168E	BCF-192E	BCF-240E
Daily dehum capacity	168L/D	192L/D	240L/D
Dehum per hour	7KG/H	8KG/H	10KG/H
Applicable area	250-280m²	280-300m²	400-450m²
Applicable vol	750-900m³	750-900m³	1200-1350m³
Power	220V-50Hz	220V/380V-50Hz	220V/380V-50Hz
Max power	2800W	3200W	4900W
Explosion-proof grade	Ex db ib mb IIB T4 Gb		
Controllable humidity range	RH30-70%	RH30-70%	RH30-70%
Adjustable humidity range	RH10-90%	RH10-90%	RH10-90%
Humidity control accuracy	±3%		
Applicable temperature	5-38℃	5-38℃	5-38℃
Refrigerant	R22	R22	R22
R485 remote interface	Customizable	Customizable	Customizable
Drainage method	Direct/16mm	Direct/16mm	Direct/16mm
Size(L*W*H)	480*408*850mm	615*470*1500mm	783*470*1500mm
Weight	70kg	88kg	140kg

Type	BCF-380E	BCF-480E	BCF-30KE
Daily dehum capacity	380L/D	480L/D	720L/D
Dehum per hour	15.8KG/H	20KG/H	30KG/H
Applicable area	600-800m²	800-1000m²	1100-1400m²
Applicable vol	1800-2400m³	2400-3000m³	3300-4200m³
Power	380V-50Hz	380V-50Hz	380V-50Hz
Max power	7KW	9.8KW	16KW
Explosion-proof grade	Ex db ib mb IIB T4 Gb		
Controllable humidity range	RH30-70%	RH30-70%	RH30-70%
Adjustable humidity range	RH10-90%	RH10-90%	RH10-90%
Humidity control accuracy	±3%		
Applicable temperature	5-38℃	5-38℃	5-38℃
Refrigerant	R22	R22	R22
R485 remote interface	Customizable	Customizable	Customizable
Drainage method	Direct/16mm	Direct/16mm	Direct/16mm
Size(L*W*H)	1008*470*1540mm	1208*470*1580mm	1208*470*1655mm
Weight	176kg	234kg	278kg

Type	BCF-40KE	BCF-50KE	BCF-60KE
Daily dehum capacity	960L/D	1200L/D	1440L/D
Dehum per hour	40KG/H	50KG/H	60KG/H
Applicable area	1200-1500m²	1500-1800m²	2000-2200m²
Applicable vol	3600-4500m³	4500-5400m³	5000-6000m³
Power	380V-50Hz	380V-50Hz	380V-50Hz
Max power	22KW	28KW	30KW
Explosion-proof grade	Ex db ib mb IIB T4 Gb		
Controllable humidity range	RH30-70%	RH30-70%	RH30-70%
Adjustable humidity range	RH10-90%	RH10-90%	RH10-90%
Humidity control accuracy	±3%		
Applicable temperature	5-38℃	5-38℃	5-38℃
Refrigerant	R22	R22	R22
R485 remote interface	Customizable	Customizable	Customizable
Drainage method	Direct/16mm	Direct/16mm	Direct/16mm
Size(L*W*H)	1380*645*1780mm	1380*645*1780mm	1380*645*1780mm
Weight	359kg	369kg	385kg