



BHVAC-8 ~40 explosion-proof heating ventilation Air Conditioning Unit Apply for the places, where is classified as Zone 1 or Zone 2, contained Group IIA, Group IIB, Group II C, temperature group T1~ T3, the explosive mixture of the flammable gas or vapor

Detailed Information

Application

BHVAC-8 ~40 explosion-proof heating ventilation Air Conditioning Unit Apply for the places, where is classified as Zone 1 or Zone 2, contained Group IIA, Group IIB, Group II C, temperature group T1~ T3, the explosive mixture of the flammable gas or vapor and the air together, e.g. instrument control room, laboratory, measuring room, analyzer house etc. It is used for temperature regulation and positive pressure ventilation

Reference to standard

EN60079-0: 2006, EN 60079-1 :

2007, EN60079-7:2007, EN60079-11:2007, EN60079-14:2007,
 EN13463-1:2001, EN13463-5:2003, GB3836.1-2000, GB3836.2-2000, GB3836 3-
 2000, GB3836.4-2000,
 GB3836.15-2000.

Environment conditions of normal operation

1 It is used in which elevation is less than 2000m the range of atmospheric pressure is 80kPa~110kPa.

2 Ambient temperature: -30°C~+60°C.

3 Ambient relative humidity is not more than 90% (+25°C)

4 It is used in the places, where is classified as Zone 1 or Zone 2, contained the explosive gas mixture, Group II

A, Group II B, Group II C, temperature group T1 ~ T3.

BHVAC-8(Cooling capacity:6~12KW)			
No.	Items	KNEX Specifications	Note
1	Name	Explosion-proof heating ventilation air conditioner	No heating fuction
2	Model	BHVAC-12	
3	Type	Packaged	
4	Area Class	Zone 2, Gas Gr. IIC, T3	
5	E-mark	II2G ExdeibIICT3	
6	Certificate	ATEX	
7	Compliance	EN60079	
8	Ambient temperature	+21°C bis +52°C	The unit is able to work in operation range.
9	AC casing	S304 Stainless steel	
Cooling system			
1	Cooling capacity (nominal)	6~12KW	
2	Refrigeration circuits	1*100%	
3	Refrigerant	R134a	
4	Compressor	Hermetic scroll	
5	Protection	Ex-d	
6	Compressor motor	Internally Integrated	
7	Evaporator material	Cu tube / Al fins	Provide maxium transfer
8	Condenser material	Cu tube / Al fins	Provide maxium transfer
Ventilation fan			
1	Fan arrangement	1*100%	
2	Contruction	Non sparking	
3	Drive Type	Direct	
4	Protection	Ex-d	
Condenser fan			
1	Fan arrangement	1*100%	

2	Contruccion	Non sparking	
3	Drive Type	Direct	
4	Protection	Ex-d	
Control panel			
1	Material	Aluminum	
2	Protection	Ex-d	
3	Dimension	246*230*90(H)mm	
4	Install location	Inside house	
5	Weight	8kg	
Dimension see drawing			

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