

1.Product description

KBSG9 series mining flameproof dry-type transformers suit for not only mines filled with firedamp mixed gas, grime and explosive gas, but also the gas and steam environment that can not erode metal or destroy insulation. the transformer has the merit of high strength, low temperature rise, good cooling and waterproof property, and easy maintenance.

2.Functional characteristics

Functional characteristics

1.The KBSG9-50-1600/10(6) mining flameproof of dry type transformer conforms to GB82862005 the requirement of "mining flame proof movable substations", its no load, load loss is 10% less than original standard the no-load current short-circuit impedance has diminished too. 2.The insulation material adopt the H level or the C level insulation material, the thermal is good, it is suit for long time operation 3.3 Phases,50Hz,ANAN 4.High strength, low temperature rise, good cooling and waterproof propret, and easy maintenance.

3.Service conditions

1.The installation is not higher than 1000m(normal)special environment gives explanation in addition

2.Ambient temperature

Highest temperature: 40C

Maximum monthly average temperature: 30C

Maximum annual temperature: 20C

Lowest temperature: -5C

3.The surrounding air relative humidity is not greater than 95%(25C)

4.In the mine,with methane, dust explosion danger is well

5.No vibration the gradient is less than 15C

6.No gas or steam to corrode metal needed or destroy insulation

7.Non-water drop sit

8.Power supply voltage profile approximate to a sine wave

9.The three-phase supply voltage approximate symmetrical

4.Scope of application

Mine filled with fire damp mixed gas, grime and explosive gas; the gas and steam environment that can not erode metal or destroy insulation



Rated capacity(kVA)	Voltage schedule(kV)		Vector group	Short circuit impedance(%)	Consumption(W)		No-load current(%)	Weight(kg)	Outline dimension(mm±10%)			
	HV	LV			No-load(kw)	Load(kw)			Length	Width	Height	
KBSG-50/6	6	0.693/0.4 1.2/0.693 3.45	Yu0(d11)	4	350	550	2.5	1250	2075	1100	1050	
KBSG-80/6					450	780	2.5	1300	2150	1100	1100	
KBSG-100/6					520	920	2.5	1400	2150	1100	1100	
KBSG-160/6					700	1300	2.0	1500	2200	1100	1220	
KBSG-200/6					820	1550	2.0	2100	2650	1100	1400	
KBSG-250/6					950	1800	2.0	2470	2690	1100	1420	
KBSG-315/6					1100	2150	1.8	2895	2830	1100	1410	
KBSG-400/6					1300	2600	1.8	3260	2920	1100	1440	
KBSG-500/6					1500	3100	1.5	3700	2990	1100	1475	
KBSG-630/6					1800	3680	1.5	4120	3050	1100	1550	
KBSG-800/6			Yu0(d11);Yyn0		2050	4500	1.0	5300	3100	1100	1430	
KBSG-1000/6					2350	5400	1.0	5700	3160	1100	1480	
KBSG-1250/6			Yu0;Yyn0		2750	6500	1.0	6600	3200	1100	1520	
KBSG-1600/6					3350	8000	0.8	7600	3260	1100	1570	

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	HV	LV			No-load(kw)	Load(kw)			Length	Width	Height
KBSG-50/10	10	0.693/0.4 1.2/0.693 3.45	Yy0(d11)	4	390	680	2.5	1250	2075	1100	1050
KBSG-80/10					490	880	2.5	1300	2150	1100	1100
KBSG-100/10					560	1050	2.5	1400	2150	1100	1100
KBSG-160/10					800	1500	2.0	1500	2200	1100	1200
KBSG-200/10					950	1800	2.0	2200	2760	1100	1480
KBSG-250/10					1100	2100	2.0	2760	2800	1100	1510
KBSG-315/10					1300	2500	1.8	2990	2840	1100	1500
KBSG-400/10					1500	3000	1.8	3430	2940	1100	1550
KBSG-500/10					1750	3500	1.5	3800	3020	1100	1600
KBSG-630/10					2000	4100	1.5	4380	3140	1100	1410
KBSG-800/10					2300	5100	1.2	5400	3190	1100	1490
KBSG-1000/10			Yy0(d11);Yyn0	4.5	2600	6100	1.2	6500	3240	1100	1530
KBSG-1250/10					3100	7400	1.0	7100	3300	1100	1580
KBSG-1600/10				Yy0;Yyn0	5	3800	8500	1.0	8050	3350	1100