



Dry Type Movable Transformer Substation

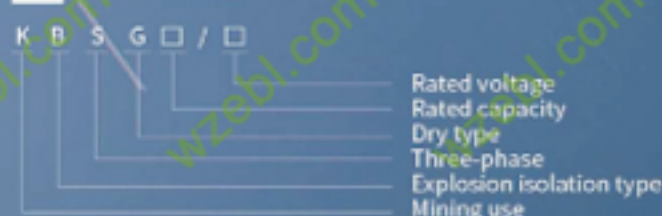
Features of Products

The KBSG series mining explosion isolation dry transformer conforms to new GB 8286, mineral product separates explode migration transformer substation requests. Insulating the material adopts C class or H class to insulate, hot stability good, cooling offway a doption ANAN, be applicable to there are air and coal dust of the methane mixture, and there is the mineral well, mineral mountain, tunnel of explosion danger etc. environment, also be applicable to shortage with air and steam environment which decays metals and breakage to insulate. Settle the frequency as 50 Hz. a primary voltage is 6 kVs or 10 kVs, andneuterqender not to connect ground for the power system, for use various motive equipments in the environment with various use electricity device to provide power supply.

Standard

JB3955-1993; GB1094.1~2-1996; GB12173-2008; GB1094.3-2003; GB1094.5-2008

Type Meaning



Using environment and working condition

- The elevation is less than 1000m, the special environment gives the explanation in addition
- Ambient temperature:
 Highest temperature +40°C;
 Lowest temperature -5°C;
 Maximum daily average temperature +30°C;
 Maximum annual average temperature +20°C;
 Lowest outdoor air temperature -5°C;
- The relative humidity is less than 95% (When the air temperature is 25°C);
- In has the methane and the coal dust, also has the explosion hazard in the mine pit;
- Does not have, the vibration as well as with the gradient does not surpass in 15° environment;
- Does not have sufficiently the dipping and the insulation gas and the steam;
- No-water drop place;
- Power supply voltage profile is approximate to the sine wave;
- The three-phase supply voltage approximate is symmetrical;(When extracts this condition stipulation, separate consultation)

KBSG series 6kV mining explosion isolation dry type transformer technical data

Rated capacity (kVA)	HV/LV (kV)	Vector group	Impedance voltage (%)	Loss (kW)		No-load current (%)	(L×W×H) Outline dimension (mm)	Weight (kg)	Gauge (mm)	
				No-load	Load					
50	6±5%	Yy0 (d11)	4	350	550	2.5	2225×950×1160	1350	600	
100			4	520	920	2.5	2500×950×1430	1600		
200			4	820	1550	2	2640×950×1445	2050		
250			4	950	1800	2	2750×965×1530	2300		
315			4	1100	2150	1.8	2830×975×1540	2500		
400			4	1300	2600	1.8	2830×995×1550	2650		
500			4	1500	3100	1.5	2850×1050×1570	3100		
630			4	1800	3680	1.5	3020×1080×1450	4310		
800		0.693/0.4 1.2/0.693 1.2 3.45	Yy0 (d11) Dyn11	4	2050	4500	1.0	3020×1080×1510		4650
1000				4	2350	5400	1.0	3030×1130×1540		5150
1250				4	2750	6500	1.0	3120×1160×1610		5900
1600				4	3350	8000	0.8	3120×1200×1750		7250
2000				4.5	3800	9500	0.6	3225×1220×1790		10820
2500				5	4500	10600	0.6	3580×1230×1850		13850
3150				5.5	5300	12500	0.6	3820×1260×1890		18250
4000				6	6100	14000	0.6	3930×1400×1920		20810

KBSG series 11kV mining explosion isolation dry type transformer technical data

Rated capacity (kVA)	HV/LV (kV)	Vector group	Impedance voltage (%)	Loss (kW)		No-load current (%)	(L×W×H) Outline dimension (mm)	Weight (kg)	Gauge (mm)	
				No-load	Load					
50	11±5%	Yy0 (d11)	4	390	680	2.5	2310×950×1295	1400	600	
100			4	560	1050	2.5	2430×950×1430	1800		
200			4	950	1800	2	2730×950×1525	2200		
250			4	1100	2100	1.8	2760×950×1540	2500		
315			4	1300	2500	1.8	2800×980×1555	2800		
400			4	1500	3000	1.8	2950×1050×1610	3000		
500			4	1750	3500	1.5	2950×1050×1610	3300		
630			4	2000	4100	1.5	3200×1080×1450	4400		
800		0.693/0.4 1.2/0.693 1.2 3.45	Yy0 (d11) Dyn11	4	2300	5100	1.2	3200×1080×1600		4700
1000				4.5	2600	6100	1.2	3200×1110×1675		5900
1250				4.5	3100	7400	1.0	3250×1125×1740		6500
1600				5	3800	8500	1.0	3450×1245×1830		8300
2000				5	4500	9700	0.7	3665×1250×1900		10900
2500				5.5	5200	10800	0.7	3780×1390×1900		13930
3150				5.5	6100	12800	0.7	3880×1390×1900		18350
4000				6	7000	15000	0.7	4210×1450×1900		20910